Full wwPDB NMR Structure Validation Report (i)

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PDB ID	:	2JTY / pdb_00002jty
BMRB ID	:	15423
Title	:	Self-complemented variant of FimA, the main subunit of type 1 pilus
Authors	:	Erilov, D.; Wider, G.; Glockshuber, R.; Puorger, C.; Vetsch, M.
Deposited on	:	2007-08-09

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

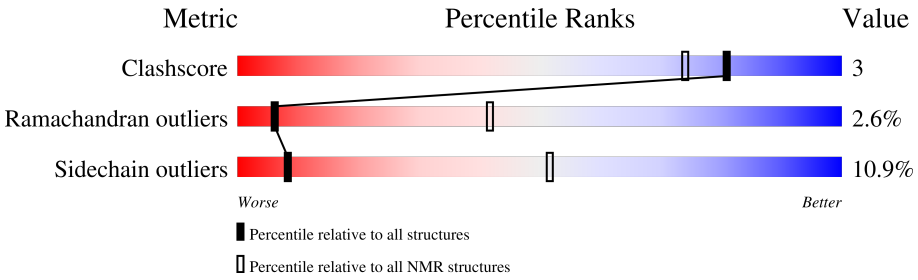
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 91%.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

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

Mol	Chain	Length	Quality of chain
1	A	184	75% 9% 16%

2 Ensemble composition and analysis (i)

This entry contains 20 models. Model 1 is the overall representative, medoid model (most similar to other models).

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:19-A:89, A:95-A:160, A:167-A:184 (155)	0.54	1

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

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

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

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2489 atoms, of which 1222 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Type-1 fimbrial protein, A chain.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	184	2489	773	1222	226	266	2	0

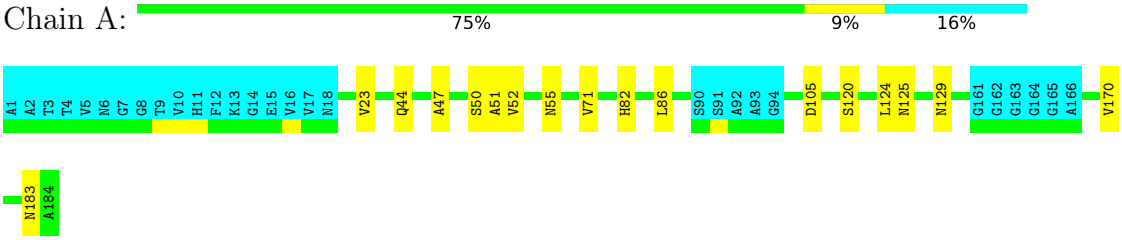
4 Residue-property plots

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: Type-1 fimbrial protein, A chain

Chain A:



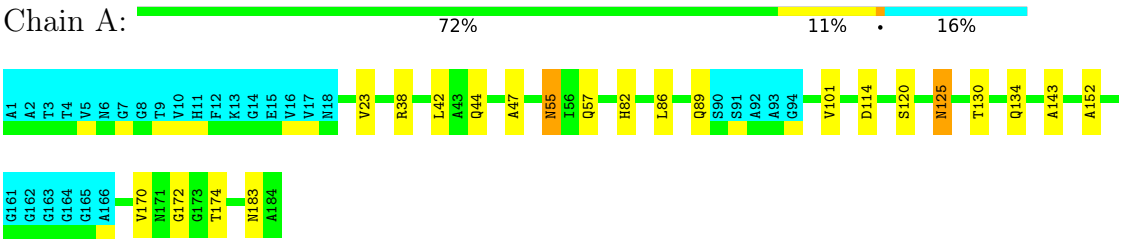
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1 (medoid)

• Molecule 1: Type-1 fimbrial protein, A chain

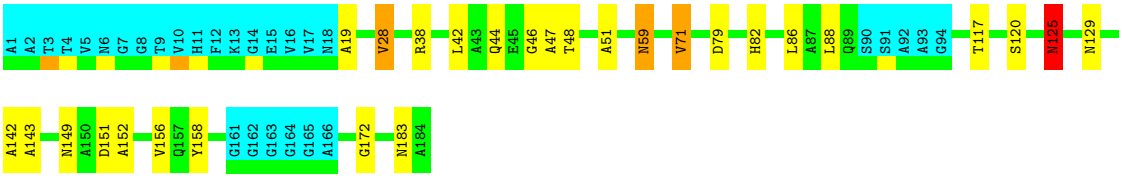
Chain A:



4.2.2 Score per residue for model 2

• Molecule 1: Type-1 fimbrial protein, A chain

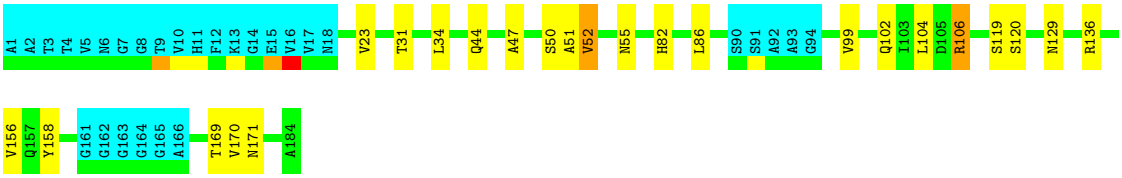
Chain A:



4.2.3 Score per residue for model 3

• Molecule 1: Type-1 fimbrial protein, A chain

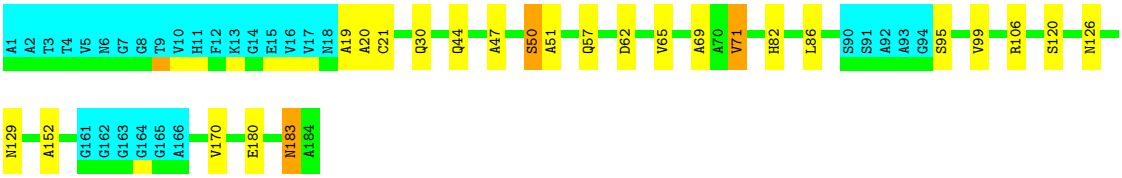
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Type-1 fimbrial protein, A chain

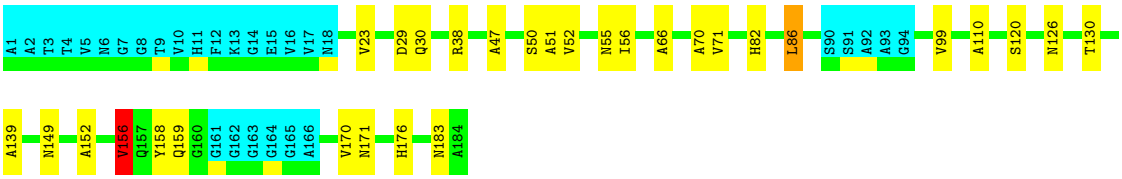
Chain A:



4.2.5 Score per residue for model 5

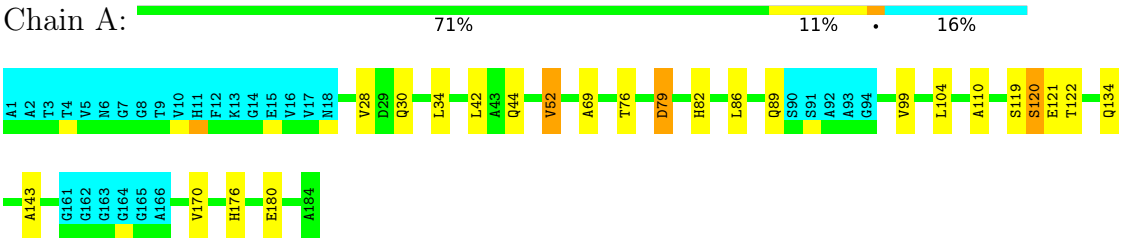
• Molecule 1: Type-1 fimbrial protein, A chain

Chain A:



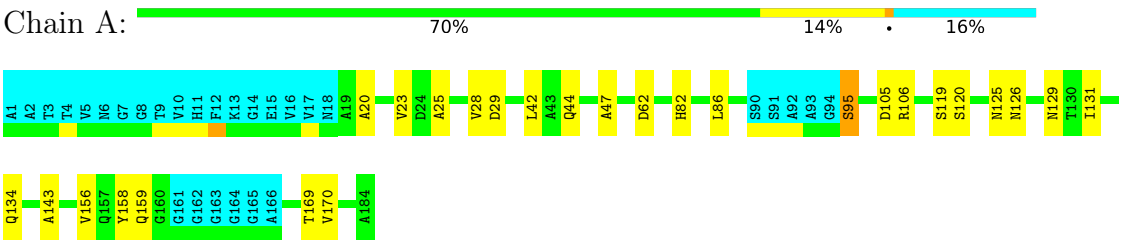
4.2.6 Score per residue for model 6

• Molecule 1: Type-1 fimbrial protein, A chain



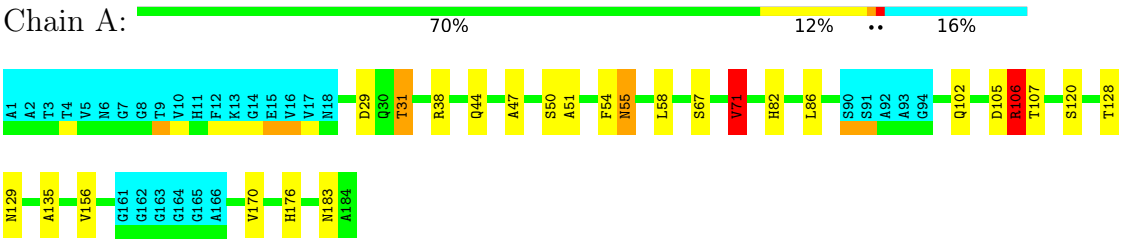
4.2.7 Score per residue for model 7

• Molecule 1: Type-1 fimbrial protein, A chain



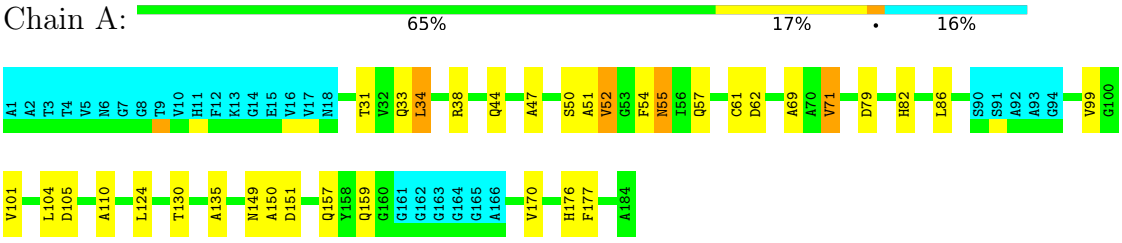
4.2.8 Score per residue for model 8

• Molecule 1: Type-1 fimbrial protein, A chain



4.2.9 Score per residue for model 9

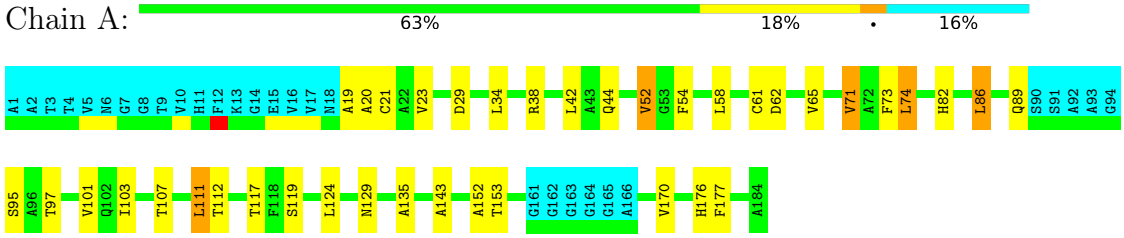
• Molecule 1: Type-1 fimbrial protein, A chain



4.2.10 Score per residue for model 10

• Molecule 1: Type-1 fimbrial protein, A chain

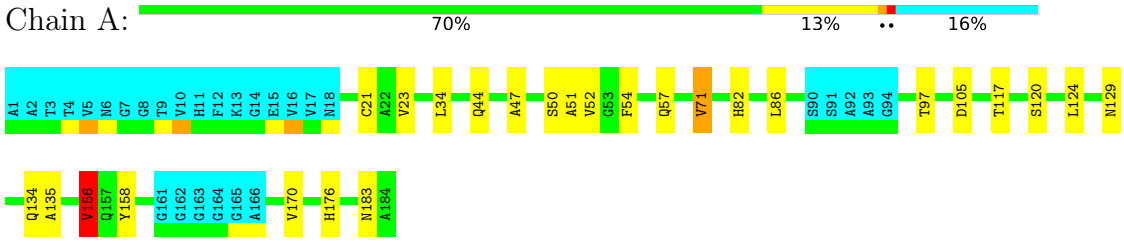
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Type-1 fimbrial protein, A chain

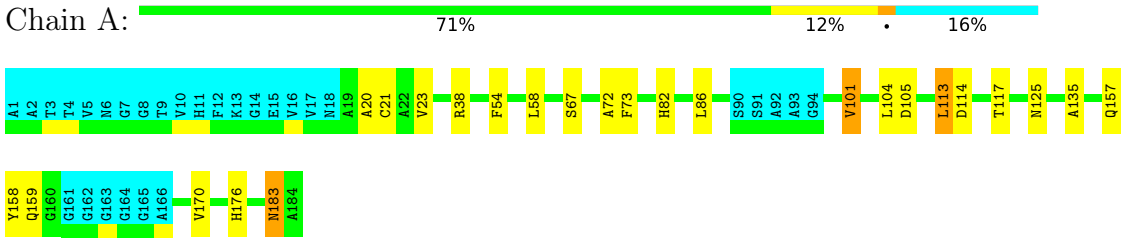
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Type-1 fimbrial protein, A chain

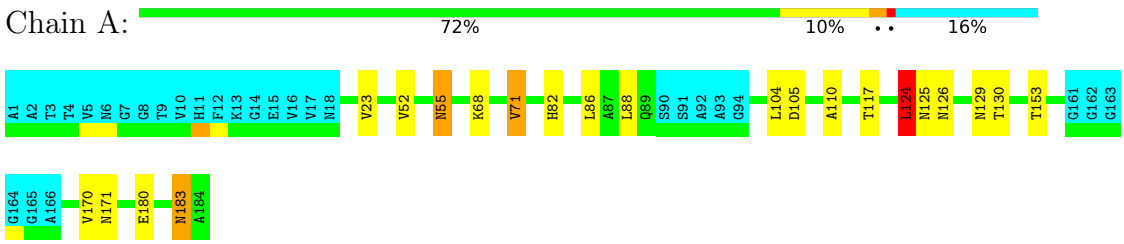
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Type-1 fimbrial protein, A chain

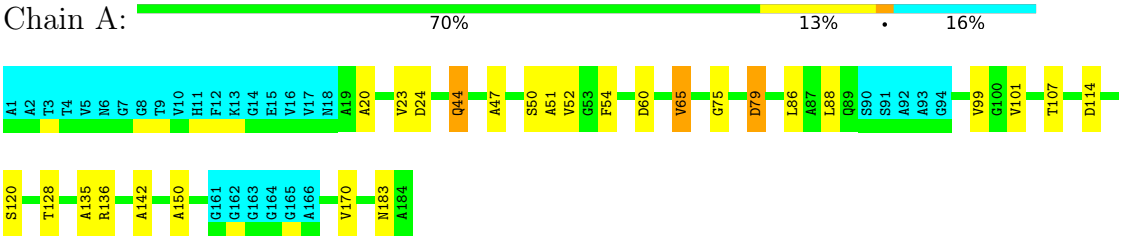
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Type-1 fimbrial protein, A chain

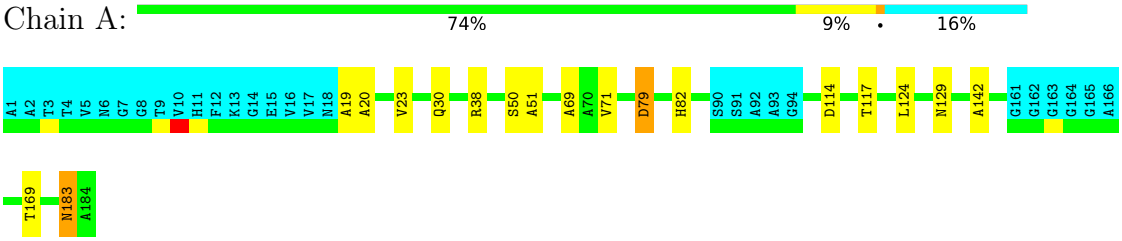
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Type-1 fimbrial protein, A chain

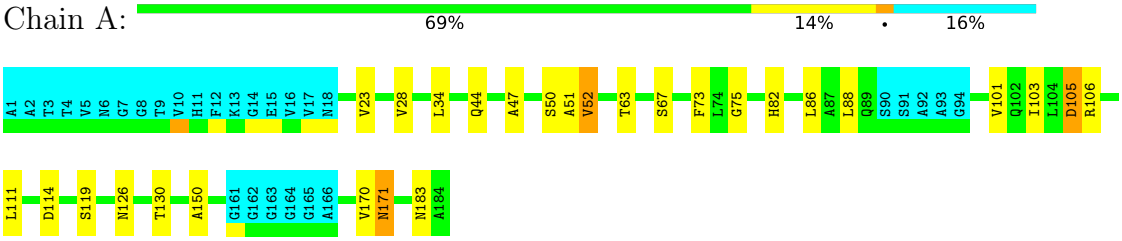
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Type-1 fimbrial protein, A chain

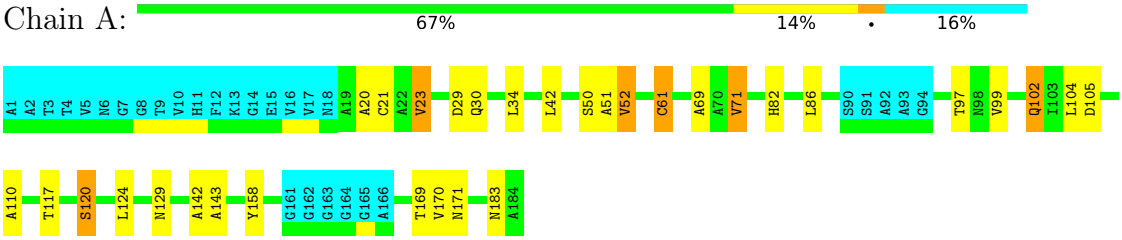
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Type-1 fimbrial protein, A chain

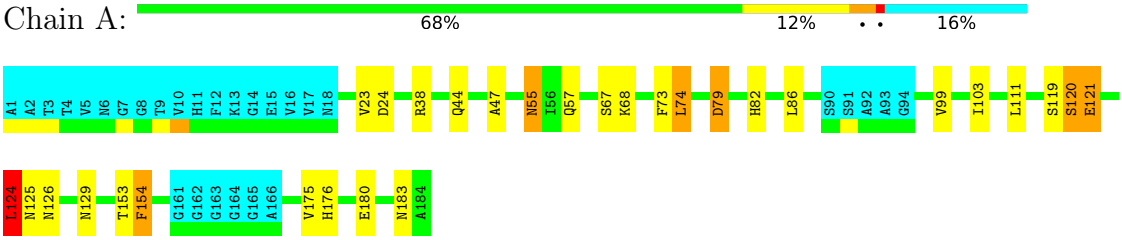
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Type-1 fimbrial protein, A chain

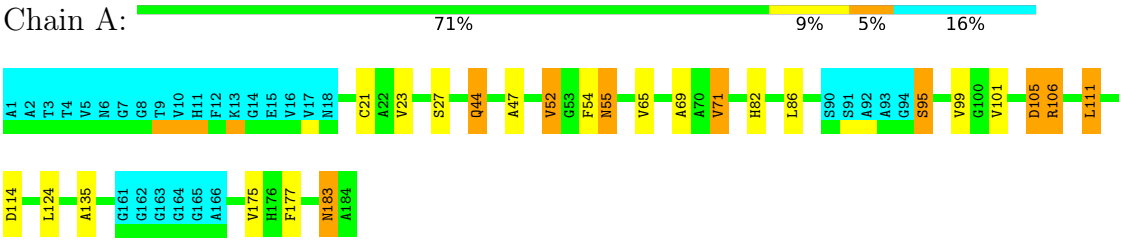
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Type-1 fimbrial protein, A chain

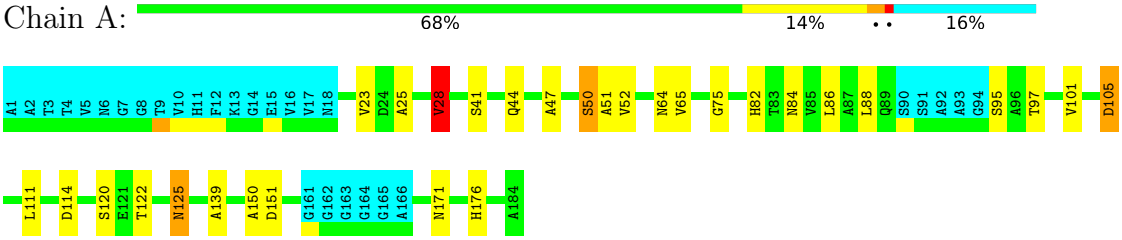
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Type-1 fimbrial protein, A chain

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *target function.*

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

Software name	Classification	Version
CYANA	structure solution	
OPAL	refinement	

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	1932
Number of shifts mapped to atoms	1932
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	91%

6 Model quality

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.60±0.01	0±0/1102 (0.0± 0.0%)	1.42±0.04	7±3/1506 (0.4± 0.2%)
All	All	0.60	0/22040 (0.0%)	1.42	131/30120 (0.4%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	1.0±0.8
All	All	0	20

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	79	ASP	CA-CB-CG	10.65	123.25	112.60	14	4
1	A	151	ASP	CA-CB-CG	7.90	120.50	112.60	2	1
1	A	149	ASN	CA-CB-CG	7.59	120.19	112.60	2	3
1	A	19	ALA	CA-C-N	7.27	135.43	121.54	10	3
1	A	19	ALA	C-N-CA	7.27	135.43	121.54	10	3
1	A	55	ASN	CA-CB-CG	7.13	119.73	112.60	1	7
1	A	70	ALA	CA-C-N	7.00	131.68	122.51	5	1
1	A	70	ALA	C-N-CA	7.00	131.68	122.51	5	1
1	A	119	SER	CA-C-N	6.89	134.71	121.54	6	1
1	A	119	SER	C-N-CA	6.89	134.71	121.54	6	1
1	A	82	HIS	CB-CG-CD2	-6.80	122.36	131.20	20	19
1	A	105	ASP	CA-CB-CG	6.72	119.32	112.60	7	4
1	A	183	ASN	CA-C-N	6.51	133.42	121.70	4	9
1	A	183	ASN	C-N-CA	6.51	133.42	121.70	4	9
1	A	156	VAL	CG1-CB-CG2	6.34	124.76	110.80	5	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	176	HIS	CB-CG-CD2	-6.31	122.99	131.20	11	7
1	A	71	VAL	CG1-CB-CG2	6.28	124.62	110.80	2	8
1	A	63	THR	CA-C-N	6.23	128.54	120.44	16	1
1	A	63	THR	C-N-CA	6.23	128.54	120.44	16	1
1	A	126	ASN	CA-CB-CG	6.19	118.79	112.60	16	1
1	A	29	ASP	CA-CB-CG	-5.99	106.61	112.60	8	4
1	A	125	ASN	CA-CB-CG	5.86	118.46	112.60	1	3
1	A	33	GLN	CA-C-N	5.82	131.90	121.66	9	1
1	A	33	GLN	C-N-CA	5.82	131.90	121.66	9	1
1	A	105	ASP	CA-C-N	5.72	128.73	120.38	13	2
1	A	105	ASP	C-N-CA	5.72	128.73	120.38	13	2
1	A	89	GLN	OE1-CD-NE2	-5.66	116.94	122.60	1	3
1	A	107	THR	CB-CA-C	5.66	120.37	110.64	10	1
1	A	72	ALA	CA-C-N	5.46	131.96	121.54	12	1
1	A	72	ALA	C-N-CA	5.46	131.96	121.54	12	1
1	A	124	LEU	CD1-CG-CD2	5.43	122.75	110.80	13	2
1	A	62	ASP	CA-CB-CG	-5.38	107.22	112.60	7	1
1	A	120	SER	CA-C-N	5.36	131.79	121.54	18	1
1	A	120	SER	C-N-CA	5.36	131.79	121.54	18	1
1	A	52	VAL	CA-CB-CG2	5.36	119.51	110.40	9	2
1	A	171	ASN	CA-CB-CG	-5.34	107.26	112.60	16	2
1	A	50	SER	CA-C-N	5.32	131.69	121.54	15	2
1	A	50	SER	C-N-CA	5.32	131.69	121.54	15	2
1	A	79	ASP	CA-C-N	5.30	128.11	120.38	2	2
1	A	79	ASP	C-N-CA	5.30	128.11	120.38	2	2
1	A	28	VAL	CA-CB-CG1	5.19	119.22	110.40	2	1
1	A	44	GLN	OE1-CD-NE2	-5.17	117.44	122.60	20	2
1	A	71	VAL	CB-CA-C	5.16	119.64	110.71	11	2
1	A	122	THR	CB-CA-C	5.16	117.96	110.79	20	1
1	A	59	ASN	CA-CB-CG	5.14	117.74	112.60	2	1
1	A	71	VAL	CA-CB-CG1	5.13	119.13	110.40	13	1
1	A	113	LEU	N-CA-C	-5.02	101.47	108.54	12	1

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	69	ALA	Peptide	5
1	A	152	ALA	Peptide	3
1	A	38	ARG	Sidechain	3

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Mol	Chain	Res	Type	Group	Models (Total)
1	A	106	ARG	Sidechain	2
1	A	95	SER	Peptide	2
1	A	119	SER	Peptide	2
1	A	46	GLY	Peptide	1
1	A	159	GLN	Peptide	1
1	A	154	PHE	Sidechain	1

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1090	1055	1053	6±3
All	All	21800	21100	21060	113

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 3.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:86:LEU:HD23	1:A:101:VAL:HG22	0.76	1.57	12	1
1:A:44:GLN:HE21	1:A:47:ALA:HB2	0.76	1.40	14	9
1:A:156:VAL:HG13	1:A:170:VAL:HG23	0.75	1.59	11	2
1:A:156:VAL:HG21	1:A:158:TYR:CE2	0.72	2.19	5	2
1:A:34:LEU:HD23	1:A:52:VAL:CG1	0.72	2.13	3	6
1:A:86:LEU:HD11	1:A:152:ALA:HB2	0.67	1.67	10	2
1:A:74:LEU:C	1:A:74:LEU:HD23	0.63	2.19	18	1
1:A:34:LEU:HD23	1:A:52:VAL:HG11	0.62	1.71	6	6
1:A:74:LEU:HD22	1:A:153:THR:OG1	0.61	1.95	18	1
1:A:124:LEU:H	1:A:124:LEU:HD22	0.57	1.59	18	2
1:A:25:ALA:HA	1:A:28:VAL:CG2	0.56	2.30	20	1
1:A:101:VAL:HG11	1:A:177:PHE:CD2	0.56	2.36	19	1
1:A:74:LEU:O	1:A:152:ALA:HB1	0.55	2.02	10	1
1:A:55:ASN:HB3	1:A:130:THR:HG22	0.55	1.78	13	1
1:A:54:PHE:CE1	1:A:135:ALA:HB2	0.54	2.38	14	6
1:A:156:VAL:CG2	1:A:158:TYR:CE2	0.53	2.91	5	2
1:A:156:VAL:CG1	1:A:170:VAL:HG23	0.52	2.33	5	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:86:LEU:HD13	1:A:150:ALA:HB1	0.51	1.81	14	3
1:A:73:PHE:CE1	1:A:103:ILE:HG21	0.51	2.40	16	2
1:A:69:ALA:HB2	1:A:124:LEU:HD11	0.50	1.83	19	1
1:A:42:LEU:O	1:A:143:ALA:HB3	0.50	2.06	6	6
1:A:44:GLN:NE2	1:A:47:ALA:HB2	0.50	2.22	2	5
1:A:104:LEU:HD23	1:A:110:ALA:HA	0.50	1.84	13	2
1:A:75:GLY:HA3	1:A:86:LEU:HD21	0.48	1.85	14	3
1:A:68:LYS:CA	1:A:124:LEU:HD21	0.48	2.39	18	2
1:A:31:THR:HG23	1:A:176:HIS:HB2	0.48	1.86	8	2
1:A:102:GLN:HE22	1:A:110:ALA:HB1	0.47	1.69	17	1
1:A:156:VAL:HG11	1:A:158:TYR:CZ	0.47	2.45	3	2
1:A:20:ALA:HA	1:A:65:VAL:HG11	0.47	1.85	14	1
1:A:19:ALA:HB1	1:A:158:TYR:CE2	0.47	2.45	2	1
1:A:55:ASN:HB3	1:A:130:THR:CG2	0.45	2.41	9	2
1:A:61:CYS:SG	1:A:124:LEU:HD12	0.45	2.52	9	1
1:A:105:ASP:CG	1:A:120:SER:HB2	0.45	2.37	17	1
1:A:88:LEU:HA	1:A:150:ALA:HB2	0.44	1.90	16	3
1:A:21:CYS:SG	1:A:58:LEU:HB3	0.44	2.52	10	1
1:A:157:GLN:HE21	1:A:159:GLN:NE2	0.44	2.10	9	2
1:A:68:LYS:C	1:A:124:LEU:HD21	0.44	2.38	18	1
1:A:56:ILE:C	1:A:130:THR:HG23	0.43	2.38	5	1
1:A:56:ILE:O	1:A:130:THR:HG23	0.43	2.12	5	1
1:A:20:ALA:HB3	1:A:158:TYR:CE1	0.43	2.48	17	2
1:A:125:ASN:H	1:A:129:ASN:ND2	0.43	2.11	13	1
1:A:66:ALA:HB3	1:A:158:TYR:HB3	0.43	1.90	5	1
1:A:111:LEU:H	1:A:111:LEU:HD22	0.43	1.73	19	1
1:A:61:CYS:SG	1:A:124:LEU:HD13	0.43	2.54	17	1
1:A:101:VAL:HG11	1:A:177:PHE:CG	0.43	2.49	10	2
1:A:105:ASP:CG	1:A:106:ARG:N	0.43	2.77	16	2
1:A:47:ALA:HB3	1:A:139:ALA:HB3	0.43	1.90	5	2
1:A:54:PHE:CD1	1:A:135:ALA:HB2	0.42	2.49	11	1
1:A:154:PHE:CD1	1:A:175:VAL:HG23	0.42	2.49	18	1
1:A:111:LEU:HD22	1:A:111:LEU:N	0.41	2.30	19	1
1:A:34:LEU:HD22	1:A:34:LEU:N	0.41	2.30	9	1
1:A:62:ASP:HB3	1:A:65:VAL:HG23	0.41	1.90	4	1
1:A:125:ASN:H	1:A:129:ASN:HD21	0.41	1.59	2	1
1:A:104:LEU:HD21	1:A:136:ARG:NH1	0.41	2.31	3	1
1:A:20:ALA:HB3	1:A:158:TYR:CD1	0.41	2.51	12	1
1:A:66:ALA:HB1	1:A:159:GLN:O	0.41	2.16	5	1
1:A:73:PHE:CD1	1:A:103:ILE:HG21	0.40	2.50	10	1
1:A:25:ALA:HA	1:A:28:VAL:HG12	0.40	1.92	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:103:ILE:HG22	1:A:111:LEU:HD23	0.40	1.92	10	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	154/184 (84%)	131±4 (85±2%)	19±3 (12±2%)	4±1 (3±1%)	6	42
All	All	3080/3680 (84%)	2620 (85%)	381 (12%)	79 (3%)	6	42

All 21 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	23	VAL	15
1	A	51	ALA	12
1	A	50	SER	8
1	A	117	THR	7
1	A	142	ALA	4
1	A	106	ARG	4
1	A	105	ASP	4
1	A	20	ALA	3
1	A	120	SER	3
1	A	172	GLY	2
1	A	88	LEU	2
1	A	119	SER	2
1	A	110	ALA	2
1	A	126	ASN	2
1	A	121	GLU	2
1	A	95	SER	2
1	A	55	ASN	1
1	A	71	VAL	1
1	A	73	PHE	1
1	A	60	ASP	1
1	A	28	VAL	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	110/125 (88%)	98±3 (89±3%)	12±3 (11±3%)	8 52
All	All	2200/2500 (88%)	1961 (89%)	239 (11%)	8 52

All 65 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	86	LEU	14
1	A	120	SER	11
1	A	170	VAL	11
1	A	71	VAL	11
1	A	52	VAL	11
1	A	183	ASN	10
1	A	99	VAL	9
1	A	129	ASN	9
1	A	114	ASP	7
1	A	38	ARG	6
1	A	125	ASN	6
1	A	57	GLN	5
1	A	101	VAL	5
1	A	171	ASN	5
1	A	21	CYS	5
1	A	30	GLN	5
1	A	111	LEU	5
1	A	124	LEU	5
1	A	134	GLN	4
1	A	28	VAL	4
1	A	169	THR	4
1	A	180	GLU	4
1	A	156	VAL	4
1	A	79	ASP	4
1	A	67	SER	4
1	A	65	VAL	4
1	A	97	THR	4
1	A	102	GLN	3
1	A	50	SER	3

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Mol	Chain	Res	Type	Models (Total)
1	A	95	SER	3
1	A	126	ASN	3
1	A	44	GLN	3
1	A	104	LEU	3
1	A	55	ASN	3
1	A	31	THR	2
1	A	106	ARG	2
1	A	58	LEU	2
1	A	107	THR	2
1	A	128	THR	2
1	A	62	ASP	2
1	A	151	ASP	2
1	A	61	CYS	2
1	A	74	LEU	2
1	A	153	THR	2
1	A	24	ASP	2
1	A	174	THR	1
1	A	48	THR	1
1	A	59	ASN	1
1	A	76	THR	1
1	A	122	THR	1
1	A	131	ILE	1
1	A	34	LEU	1
1	A	29	ASP	1
1	A	112	THR	1
1	A	119	SER	1
1	A	113	LEU	1
1	A	136	ARG	1
1	A	130	THR	1
1	A	23	VAL	1
1	A	121	GLU	1
1	A	27	SER	1
1	A	175	VAL	1
1	A	41	SER	1
1	A	64	ASN	1
1	A	84	ASN	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

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

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1932
Number of shifts mapped to atoms	1932
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	6

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	182	0.02 ± 0.08	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	157	-0.32 ± 0.12	None needed (< 0.5 ppm)
$^{13}C'$	176	0.16 ± 0.09	None needed (< 0.5 ppm)
^{15}N	180	-0.17 ± 0.28	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 91%, i.e. 1691 atoms were assigned a chemical shift out of a possible 1863. 0 out of 25 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	782/787 (99%)	324/324 (100%)	305/310 (98%)	153/153 (100%)
Sidechain	876/972 (90%)	590/641 (92%)	262/298 (88%)	24/33 (73%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	33/104 (32%)	9/51 (18%)	24/49 (49%)	0/4 (0%)
Overall	1691/1863 (91%)	923/1016 (91%)	591/657 (90%)	177/190 (93%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 89%, i.e. 1932 atoms were assigned a chemical shift out of a possible 2159. 0 out of 29 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	921/941 (98%)	383/391 (98%)	358/368 (97%)	180/182 (99%)
Sidechain	970/1096 (89%)	651/724 (90%)	293/336 (87%)	26/36 (72%)
Aromatic	41/122 (34%)	12/60 (20%)	29/56 (52%)	0/6 (0%)
Overall	1932/2159 (89%)	1046/1175 (89%)	680/760 (89%)	206/224 (92%)

7.1.4 Statistically unusual chemical shifts (i)

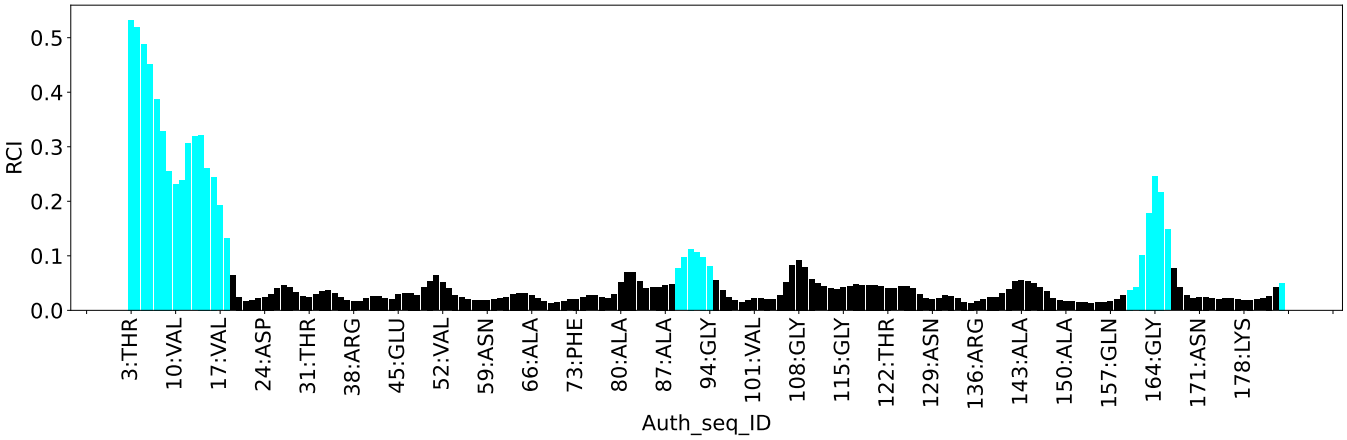
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	38	ARG	NE	114.70	76.53 – 92.65	18.7
1	A	106	ARG	NE	114.40	76.53 – 92.65	18.5
1	A	136	ARG	NE	113.30	76.53 – 92.65	17.8
1	A	72	ALA	HB1	-0.16	0.14 – 2.58	-6.2
1	A	72	ALA	HB2	-0.16	0.14 – 2.58	-6.2
1	A	72	ALA	HB3	-0.16	0.14 – 2.58	-6.2

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.5
0.4
0.3
0.2
0.1
0.0
3:THR
10:VAL
17:VAL
24:ASP
31:THR
38:ARG
45:GLU
52:VAL
59:ASN
66:ALA
73:PHE
80:ALA
87:ALA
94:GLY
101:VAL
108:GLY
115:GLY
122:THR
129:ASN
136:ARG
143:ALA
150:ALA
157:GLN
164:GLY
171:ASN
178:LYS
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3999
Intra-residue (|i-j|=0)	597
Sequential (|i-j|=1)	1063
Medium range (|i-j|>1 and |i-j|<5)	422
Long range (|i-j|≥5)	1917
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	21.7
Number of long range restraints per residue[1]	10.4

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	48.9	0.2
0.2-0.5 (Medium)	82.1	0.5
>0.5 (Large)	233.6	3.33

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

Dihedral-angle violations less than 1° are not included in the calculation.There are no dihedral-angle violations

9 Distance violation analysis (i)

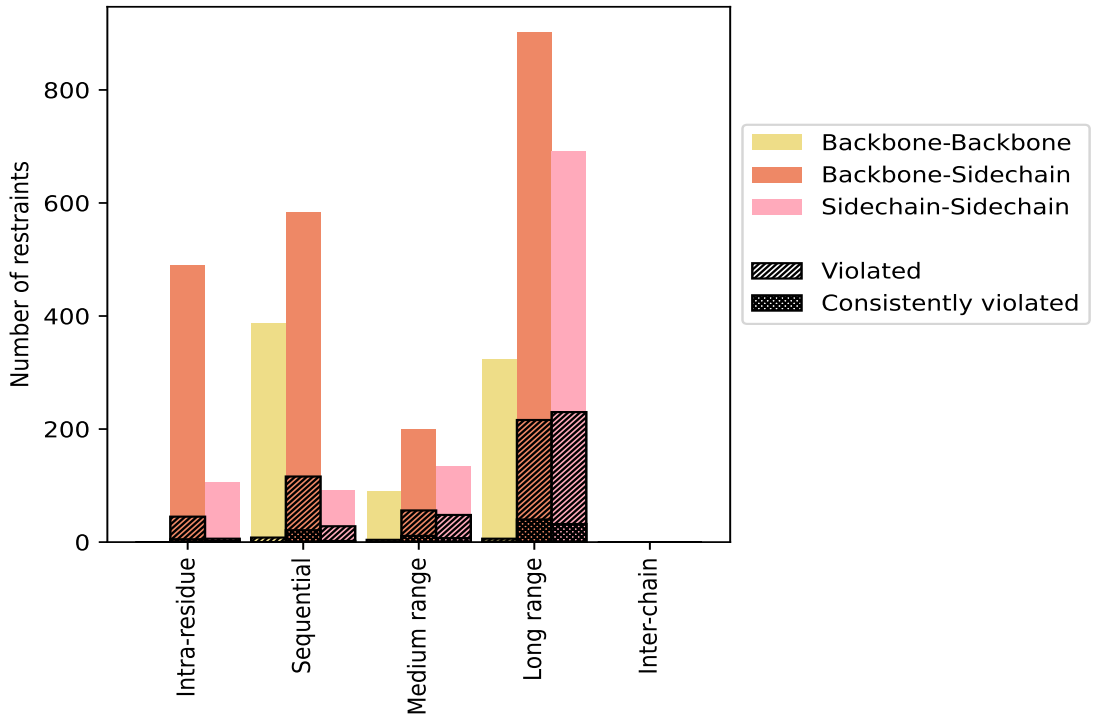
9.1 Summary of distance violations (i)

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)	597	14.9	51	8.5	1.3	7	1.2	0.2
Backbone-Backbone	1	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	490	12.3	45	9.2	1.1	5	1.0	0.1
Sidechain-Sidechain	106	2.7	6	5.7	0.2	2	1.9	0.1
Sequential (|i-j|=1)	1063	26.6	152	14.3	3.8	23	2.2	0.6
Backbone-Backbone	387	9.7	8	2.1	0.2	0	0.0	0.0
Backbone-Sidechain	584	14.6	116	19.9	2.9	21	3.6	0.5
Sidechain-Sidechain	92	2.3	28	30.4	0.7	2	2.2	0.1
Medium range (|i-j|>1 & |i-j|<5)	422	10.6	108	25.6	2.7	18	4.3	0.5
Backbone-Backbone	89	2.2	4	4.5	0.1	0	0.0	0.0
Backbone-Sidechain	199	5.0	56	28.1	1.4	11	5.5	0.3
Sidechain-Sidechain	134	3.4	48	35.8	1.2	7	5.2	0.2
Long range (|i-j|≥5)	1917	47.9	452	23.6	11.3	73	3.8	1.8
Backbone-Backbone	323	8.1	6	1.9	0.2	1	0.3	0.0
Backbone-Sidechain	902	22.6	216	23.9	5.4	40	4.4	1.0
Sidechain-Sidechain	692	17.3	230	33.2	5.8	32	4.6	0.8
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	3999	100.0	763	19.1	19.1	121	3.0	3.0
Backbone-Backbone	800	20.0	18	2.2	0.5	1	0.1	0.0
Backbone-Sidechain	2175	54.4	433	19.9	10.8	77	3.5	1.9
Sidechain-Sidechain	1024	25.6	312	30.5	7.8	43	4.2	1.1

[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	17	64	47	209	0	337	0.84	3.3	0.58	0.73
2	20	67	53	228	0	368	0.83	2.79	0.58	0.73
3	25	69	58	234	0	386	0.8	2.97	0.59	0.68
4	21	68	58	218	0	365	0.83	2.98	0.57	0.75
5	23	73	64	219	0	379	0.81	2.82	0.59	0.7
6	21	73	54	215	0	363	0.8	2.69	0.58	0.65
7	24	76	58	230	0	388	0.81	3.0	0.58	0.68
8	23	76	54	228	0	381	0.83	2.83	0.58	0.73
9	21	64	55	229	0	369	0.8	3.23	0.57	0.67
10	27	78	70	261	0	436	0.82	3.31	0.6	0.68

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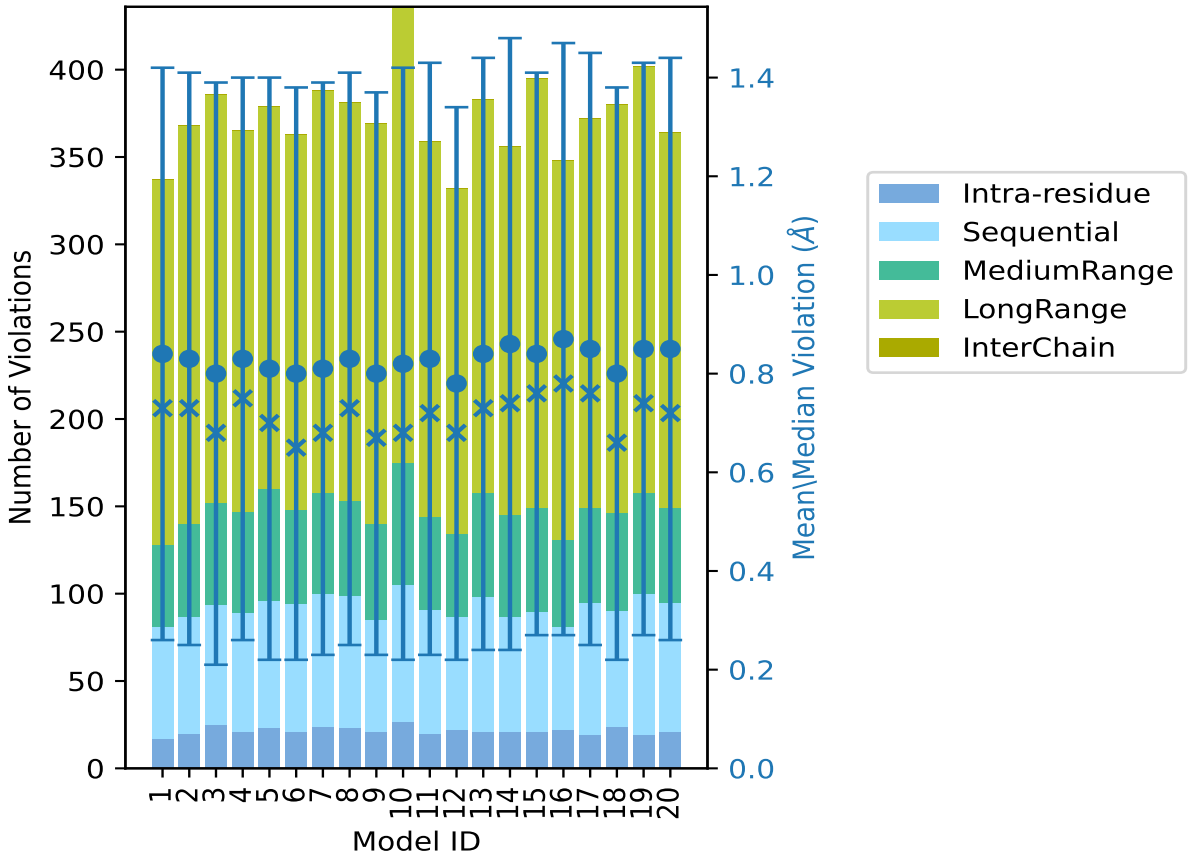
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	20	71	53	215	0	359	0.83	3.19	0.6	0.72
12	22	65	47	198	0	332	0.78	2.75	0.56	0.68
13	21	77	60	225	0	383	0.84	2.93	0.6	0.73
14	21	66	58	211	0	356	0.86	3.33	0.62	0.74
15	21	69	59	246	0	395	0.84	3.02	0.57	0.76
16	22	59	50	217	0	348	0.87	3.31	0.6	0.78
17	19	76	54	223	0	372	0.85	3.31	0.6	0.76
18	24	66	56	234	0	380	0.8	3.0	0.58	0.66
19	19	81	58	244	0	402	0.85	3.23	0.58	0.74
20	21	74	54	215	0	364	0.85	2.68	0.59	0.72

[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

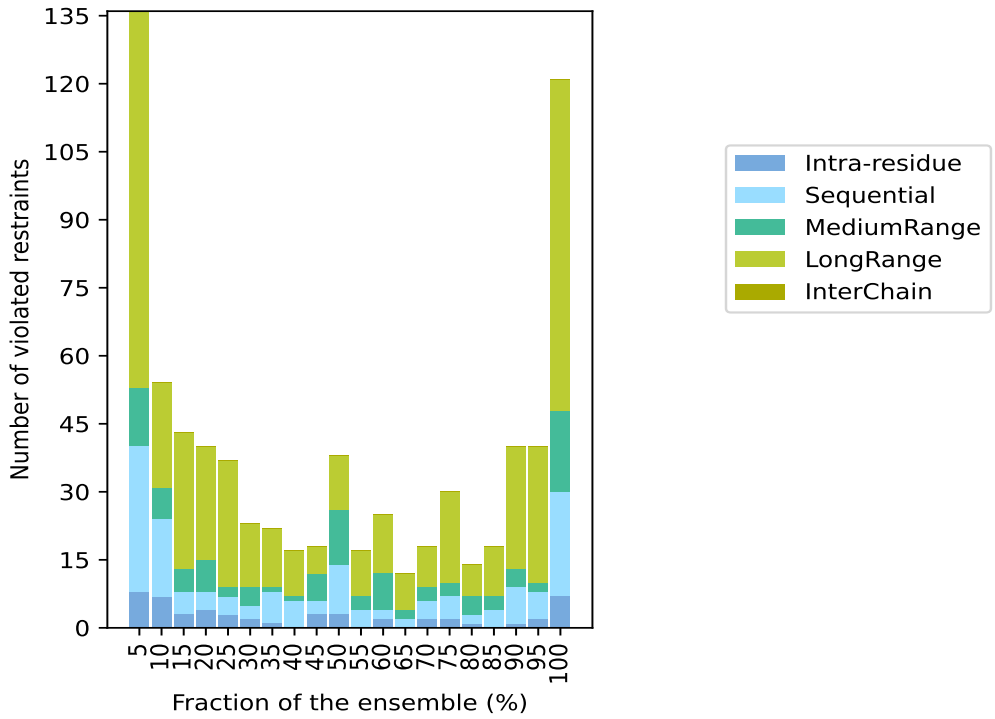
9.3 Distance violation statistics for the ensemble (i)

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, 3236(IR:546, SQ:911, MR:314, LR:1465, 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]	%
8	32	13	83	0	136	1	5.0
7	17	7	23	0	54	2	10.0
3	5	5	30	0	43	3	15.0
4	4	7	25	0	40	4	20.0
3	4	2	28	0	37	5	25.0
2	3	4	14	0	23	6	30.0
1	7	1	13	0	22	7	35.0
0	6	1	10	0	17	8	40.0
3	3	6	6	0	18	9	45.0
3	11	12	12	0	38	10	50.0
0	4	3	10	0	17	11	55.0
2	2	8	13	0	25	12	60.0
0	2	2	8	0	12	13	65.0
2	4	3	9	0	18	14	70.0
2	5	3	20	0	30	15	75.0
1	2	4	7	0	14	16	80.0
0	4	3	11	0	18	17	85.0
1	8	4	27	0	40	18	90.0
2	6	2	30	0	40	19	95.0
7	23	18	73	0	121	20	100.0

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

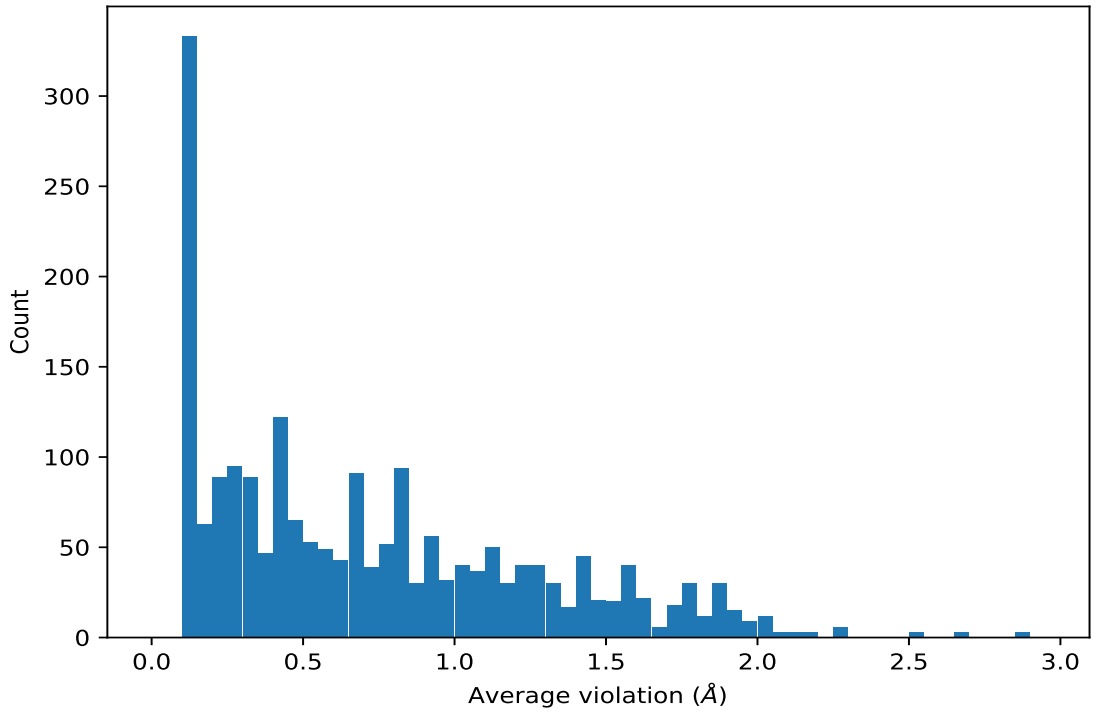
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	20	2.9	0.47	3.0
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	20	2.9	0.47	3.0
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	20	2.9	0.47	3.0
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	20	2.69	0.07	2.72
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	20	2.69	0.07	2.72
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	20	2.69	0.07	2.72
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	20	2.26	0.25	2.28
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	20	2.26	0.25	2.28
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	20	2.26	0.25	2.28
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	20	2.06	0.3	2.19
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	20	2.06	0.3	2.19
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	20	2.06	0.3	2.19
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	20	2.01	0.26	2.06
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	20	2.01	0.26	2.06
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	20	2.01	0.26	2.06
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	20	2.01	0.26	2.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	20	2.01	0.26	2.06
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	20	2.01	0.26	2.06
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	20	1.99	0.27	2.06
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	20	1.99	0.27	2.06
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	20	1.99	0.27	2.06
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	20	1.97	0.07	1.97
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	20	1.97	0.07	1.97
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	20	1.97	0.07	1.97
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	20	1.89	0.07	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	20	1.89	0.07	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	20	1.89	0.07	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	20	1.89	0.07	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	20	1.89	0.07	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	20	1.89	0.07	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	20	1.89	0.07	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	20	1.89	0.07	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	20	1.89	0.07	1.91
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	20	1.85	0.35	1.88
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	20	1.85	0.35	1.88
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	20	1.85	0.35	1.88
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	20	1.81	0.14	1.83
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	20	1.81	0.14	1.83
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	20	1.81	0.14	1.83
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	20	1.81	0.13	1.84
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	20	1.81	0.13	1.84
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	20	1.81	0.13	1.84
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	20	1.78	0.4	1.78
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	20	1.78	0.4	1.78
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	20	1.78	0.4	1.78
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	20	1.78	0.4	1.78
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	20	1.78	0.4	1.78
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	20	1.78	0.4	1.78
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	20	1.78	0.4	1.78
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	20	1.78	0.4	1.78
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	20	1.78	0.4	1.78
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	20	1.74	0.12	1.78
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	20	1.74	0.12	1.78
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	20	1.74	0.12	1.78
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	20	1.73	0.11	1.72
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	20	1.73	0.11	1.72
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	20	1.73	0.11	1.72
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	20	1.71	0.11	1.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	20	1.71	0.11	1.7
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	20	1.71	0.11	1.7
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	20	1.64	0.24	1.66
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	20	1.64	0.24	1.66
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	20	1.64	0.24	1.66
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	20	1.64	0.24	1.66
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	20	1.64	0.24	1.66
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	20	1.64	0.24	1.66
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	20	1.62	0.08	1.63
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	20	1.62	0.08	1.63
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	20	1.62	0.08	1.63
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	20	1.62	0.12	1.6
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	20	1.62	0.12	1.6
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	20	1.62	0.12	1.6
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	20	1.6	0.08	1.61
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	20	1.6	0.08	1.61
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	20	1.6	0.08	1.61
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	20	1.59	0.33	1.52
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	20	1.59	0.33	1.52
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	20	1.59	0.33	1.52
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	20	1.59	0.2	1.68
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	20	1.56	0.1	1.54
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	20	1.56	0.1	1.54
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	20	1.56	0.1	1.54
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	20	1.56	0.69	1.46
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	20	1.56	0.69	1.46
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	20	1.56	0.69	1.46
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	20	1.55	0.04	1.56
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	20	1.55	0.04	1.56
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	20	1.55	0.04	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	20	1.55	0.04	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	20	1.55	0.04	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	20	1.55	0.04	1.56
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	20	1.53	0.14	1.54
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	20	1.53	0.14	1.54
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	20	1.53	0.14	1.54
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	20	1.51	0.08	1.49
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	20	1.46	0.16	1.48
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	20	1.46	0.16	1.48
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	20	1.46	0.16	1.48
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	20	1.46	0.16	1.48
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	20	1.46	0.16	1.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	20	1.46	0.16	1.48
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	20	1.42	0.15	1.42
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	20	1.42	0.15	1.42
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	20	1.42	0.15	1.42
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	20	1.42	0.51	1.52
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	20	1.42	0.51	1.52
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	20	1.42	0.51	1.52
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	20	1.42	0.51	1.52
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	20	1.42	0.51	1.52
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	20	1.42	0.51	1.52
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	20	1.32	0.11	1.31
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	20	1.32	0.11	1.31
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	20	1.32	0.11	1.31
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	20	1.31	0.09	1.31
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	20	1.31	0.09	1.31
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	20	1.31	0.09	1.31
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	20	1.31	0.35	1.38
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	20	1.31	0.35	1.38
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	20	1.31	0.35	1.38
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	20	1.3	0.29	1.31
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	20	1.3	0.29	1.31
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	20	1.3	0.29	1.31
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	20	1.3	0.28	1.36
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	20	1.3	0.28	1.36
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	20	1.3	0.28	1.36
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	20	1.3	0.17	1.37
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	20	1.3	0.17	1.37
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	20	1.3	0.17	1.37
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	20	1.27	0.12	1.29
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	20	1.27	0.12	1.29
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	20	1.27	0.12	1.29
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	20	1.27	0.15	1.26
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	20	1.27	0.15	1.26
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	20	1.27	0.15	1.26
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	20	1.26	0.04	1.28
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	20	1.26	0.04	1.28
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	20	1.26	0.04	1.28
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	20	1.26	0.09	1.27
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	20	1.26	0.09	1.27
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	20	1.26	0.09	1.27
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	20	1.25	0.08	1.25
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	20	1.25	0.08	1.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	20	1.25	0.08	1.25
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	20	1.25	0.1	1.25
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	20	1.23	0.2	1.2
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	20	1.23	0.2	1.2
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	20	1.23	0.2	1.2
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	20	1.22	0.08	1.23
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	20	1.22	0.08	1.23
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	20	1.22	0.08	1.23
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	20	1.22	0.31	1.23
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	20	1.22	0.31	1.23
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	20	1.22	0.31	1.23
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	20	1.19	0.15	1.19
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	20	1.19	0.15	1.19
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	20	1.19	0.15	1.19
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	20	1.19	0.08	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	20	1.19	0.08	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	20	1.19	0.08	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	20	1.19	0.08	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	20	1.19	0.08	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	20	1.19	0.08	1.22
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	20	1.16	0.3	1.16
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	20	1.16	0.3	1.16
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	20	1.16	0.3	1.16
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	20	1.14	0.18	1.17
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	20	1.14	0.18	1.17
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	20	1.14	0.18	1.17
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	20	1.13	0.28	1.18
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	20	1.13	0.28	1.18
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	20	1.13	0.28	1.18
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	20	1.13	0.04	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	20	1.13	0.04	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	20	1.13	0.04	1.14
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	20	1.12	0.05	1.11
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	20	1.12	0.05	1.11
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	20	1.12	0.05	1.11
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	20	1.12	0.23	1.17
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	20	1.12	0.23	1.17
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	20	1.12	0.23	1.17
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	20	1.11	0.38	1.12
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	20	1.11	0.38	1.12
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	20	1.11	0.38	1.12
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	20	1.11	0.04	1.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	20	1.1	0.14	1.1
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	20	1.1	0.14	1.1
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	20	1.1	0.14	1.1
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	20	1.09	0.1	1.08
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	20	1.09	0.1	1.08
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	20	1.09	0.1	1.08
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	20	1.07	0.11	1.06
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	20	1.07	0.11	1.06
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	20	1.07	0.11	1.06
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	20	1.07	0.11	1.06
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	20	1.07	0.11	1.06
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	20	1.07	0.11	1.06
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	20	1.07	0.11	1.06
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	20	1.07	0.11	1.06
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	20	1.07	0.11	1.06
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	20	1.07	0.42	1.02
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	20	1.02	0.12	1.04
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	20	1.02	0.28	1.0
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	20	1.01	0.4	0.8
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	20	1.01	0.4	0.8
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	20	1.01	0.4	0.8
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	20	1.01	0.14	1.04
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	20	1.0	0.19	1.04
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	20	1.0	0.19	1.04
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	20	1.0	0.19	1.04
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	20	0.99	0.25	1.06
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	20	0.99	0.25	1.06
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	20	0.99	0.25	1.06
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	20	0.99	0.25	1.06
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	20	0.99	0.25	1.06
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	20	0.99	0.25	1.06
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	20	0.99	0.25	1.06
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	20	0.99	0.25	1.06
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	20	0.99	0.25	1.06
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	20	0.94	0.15	0.92
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	20	0.94	0.15	0.92
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	20	0.94	0.15	0.92
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	20	0.92	0.05	0.93
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	20	0.92	0.05	0.93
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	20	0.92	0.05	0.93
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	20	0.92	0.05	0.93
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	20	0.92	0.05	0.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	20	0.92	0.05	0.93
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	20	0.92	0.05	0.93
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	20	0.92	0.05	0.93
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	20	0.92	0.05	0.93
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	20	0.9	0.26	0.9
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	20	0.88	0.29	0.86
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	20	0.88	0.29	0.86
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	20	0.88	0.29	0.86
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	20	0.87	0.19	0.92
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	20	0.87	0.05	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	20	0.87	0.05	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	20	0.87	0.05	0.89
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	20	0.86	0.17	0.89
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	20	0.85	0.18	0.9
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	20	0.84	0.32	0.86
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	20	0.84	0.32	0.86
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	20	0.84	0.32	0.86
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	20	0.84	0.32	0.86
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	20	0.84	0.32	0.86
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	20	0.84	0.32	0.86
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	20	0.83	0.05	0.84
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	20	0.82	0.18	0.89
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	20	0.82	0.09	0.85
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	20	0.82	0.09	0.85
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	20	0.82	0.09	0.85
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	20	0.81	0.2	0.8
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	20	0.81	0.2	0.8
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	20	0.81	0.2	0.8
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	20	0.8	0.18	0.8
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	20	0.8	0.18	0.8
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	20	0.8	0.18	0.8
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	20	0.8	0.18	0.8
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	20	0.8	0.18	0.8
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	20	0.8	0.18	0.8
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	20	0.8	0.28	0.82
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	20	0.79	0.24	0.78
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	20	0.79	0.24	0.78
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	20	0.79	0.24	0.78
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	20	0.79	0.24	0.78
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	20	0.79	0.24	0.78
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	20	0.79	0.24	0.78
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	20	0.79	0.24	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	20	0.79	0.24	0.78
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	20	0.79	0.24	0.78
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	20	0.78	0.28	0.79
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	20	0.78	0.28	0.79
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	20	0.78	0.28	0.79
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	20	0.78	0.16	0.74
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	20	0.78	0.16	0.74
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	20	0.78	0.16	0.74
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	20	0.77	0.12	0.78
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	20	0.77	0.05	0.78
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	20	0.75	0.18	0.76
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	20	0.74	0.02	0.74
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	20	0.69	0.16	0.66
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	20	0.69	0.16	0.66
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	20	0.69	0.16	0.66
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	20	0.69	0.16	0.66
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	20	0.69	0.16	0.66
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	20	0.69	0.16	0.66
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	20	0.69	0.16	0.66
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	20	0.69	0.16	0.66
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	20	0.69	0.16	0.66
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	20	0.67	0.3	0.64
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	20	0.66	0.18	0.64
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	20	0.66	0.18	0.64
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	20	0.66	0.18	0.64
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	20	0.66	0.21	0.64
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	20	0.66	0.21	0.64
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	20	0.66	0.21	0.64
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	20	0.65	0.11	0.7
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	20	0.65	0.11	0.7
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	20	0.65	0.11	0.7
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	20	0.65	0.2	0.7
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	20	0.64	0.04	0.66
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	20	0.64	0.04	0.66
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	20	0.64	0.04	0.66
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	20	0.64	0.04	0.66
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	20	0.64	0.04	0.66
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	20	0.64	0.04	0.66
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	20	0.63	0.16	0.63
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	20	0.63	0.16	0.63
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	20	0.62	0.07	0.62
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	20	0.62	0.07	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	20	0.62	0.07	0.62
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	20	0.62	0.09	0.6
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	20	0.62	0.09	0.6
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	20	0.62	0.09	0.6
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	20	0.61	0.26	0.64
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	20	0.61	0.26	0.64
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	20	0.61	0.26	0.64
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	20	0.61	0.26	0.64
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	20	0.61	0.26	0.64
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	20	0.61	0.26	0.64
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	20	0.57	0.14	0.59
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	20	0.57	0.07	0.58
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	20	0.56	0.05	0.56
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	20	0.56	0.21	0.61
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	20	0.55	0.22	0.5
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	20	0.55	0.22	0.5
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	20	0.55	0.22	0.5
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	20	0.55	0.15	0.6
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	20	0.55	0.15	0.6
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	20	0.55	0.15	0.6
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	20	0.54	0.12	0.55
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	20	0.54	0.12	0.55
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	20	0.54	0.12	0.55
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	20	0.51	0.08	0.51
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	20	0.51	0.08	0.51
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	20	0.51	0.08	0.51
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	20	0.51	0.08	0.49
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	20	0.51	0.08	0.49
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	20	0.51	0.08	0.49
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	20	0.48	0.05	0.48
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	20	0.48	0.05	0.48
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	20	0.48	0.05	0.48
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	20	0.48	0.13	0.48
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	20	0.46	0.09	0.5
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	20	0.46	0.09	0.5
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	20	0.46	0.09	0.5
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	20	0.46	0.09	0.5
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	20	0.46	0.09	0.5
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	20	0.46	0.09	0.5
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	20	0.43	0.13	0.47
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	20	0.42	0.06	0.43
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	20	0.42	0.06	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	20	0.42	0.06	0.43
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	20	0.41	0.08	0.44
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	20	0.4	0.07	0.38
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	20	0.4	0.07	0.38
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	20	0.4	0.07	0.38
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	20	0.38	0.06	0.36
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	20	0.37	0.04	0.38
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	20	0.36	0.1	0.37
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	20	0.36	0.1	0.37
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	20	0.36	0.1	0.37
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	20	0.36	0.11	0.37
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	20	0.36	0.11	0.37
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	20	0.36	0.11	0.37
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	20	0.36	0.11	0.37
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	20	0.36	0.11	0.37
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	20	0.36	0.11	0.37
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	20	0.36	0.11	0.37
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	20	0.36	0.11	0.37
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	20	0.36	0.11	0.37
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	20	0.32	0.07	0.34
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	20	0.28	0.1	0.26
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	20	0.26	0.05	0.28
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	20	0.24	0.05	0.24
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	20	0.24	0.05	0.24
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	20	0.24	0.05	0.24
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	19	2.12	0.24	2.12
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	19	2.12	0.24	2.12
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	19	2.12	0.24	2.12
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	19	1.93	0.16	1.93
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	19	1.93	0.16	1.93
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	19	1.93	0.16	1.93
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	19	1.88	0.61	2.06
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	19	1.88	0.61	2.06
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	19	1.88	0.61	2.06
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	19	1.86	0.17	1.91
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	19	1.86	0.17	1.91
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	19	1.86	0.17	1.91
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	19	1.86	0.17	1.91
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	19	1.86	0.17	1.91
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	19	1.86	0.17	1.91
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	19	1.86	0.17	1.91
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	19	1.86	0.17	1.91

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	19	1.86	0.17	1.91
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	19	1.65	0.1	1.65
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	19	1.65	0.1	1.65
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	19	1.65	0.1	1.65
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	19	1.63	0.13	1.67
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	19	1.46	0.11	1.5
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	19	1.46	0.11	1.5
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	19	1.46	0.11	1.5
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	19	1.42	0.73	1.68
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	19	1.42	0.73	1.68
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	19	1.42	0.73	1.68
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	19	1.42	0.73	1.68
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	19	1.42	0.73	1.68
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	19	1.42	0.73	1.68
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	19	1.42	0.73	1.68
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	19	1.42	0.73	1.68
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	19	1.42	0.73	1.68
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	19	1.39	0.23	1.39
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	19	1.39	0.23	1.39
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	19	1.39	0.23	1.39
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	19	1.37	0.65	1.46
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	19	1.37	0.65	1.46
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	19	1.37	0.65	1.46
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	19	1.25	0.12	1.27
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	19	1.25	0.12	1.27
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	19	1.25	0.12	1.27
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	19	1.23	0.17	1.15
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	19	1.23	0.17	1.15
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	19	1.23	0.17	1.15
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	19	1.23	0.48	1.22
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	19	1.23	0.48	1.22
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	19	1.23	0.48	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	19	1.22	0.02	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	19	1.22	0.02	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	19	1.22	0.02	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	19	1.22	0.02	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	19	1.22	0.02	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	19	1.22	0.02	1.22
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	19	1.21	0.22	1.23
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	19	1.12	0.53	0.97
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	19	1.12	0.53	0.97
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	19	1.12	0.53	0.97

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	19	1.12	0.53	0.97
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	19	1.12	0.53	0.97
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	19	1.12	0.53	0.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	19	1.12	0.53	0.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	19	1.12	0.53	0.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	19	1.12	0.53	0.97
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	19	1.11	0.17	1.15
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	19	1.1	0.3	1.22
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	19	1.1	0.3	1.22
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	19	1.1	0.3	1.22
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	19	1.05	0.17	1.04
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	19	1.05	0.17	1.04
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	19	1.05	0.17	1.04
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	19	0.99	0.19	1.06
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	19	0.94	0.19	0.95
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	19	0.91	0.06	0.91
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	19	0.91	0.06	0.91
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	19	0.91	0.06	0.91
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	19	0.87	0.19	0.85
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	19	0.87	0.19	0.85
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	19	0.87	0.19	0.85
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	19	0.87	0.19	0.85
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	19	0.87	0.19	0.85
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	19	0.87	0.19	0.85
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	19	0.84	0.2	0.92
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	19	0.84	0.2	0.92
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	19	0.84	0.2	0.92
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	19	0.83	0.19	0.85
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	19	0.83	0.19	0.85
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	19	0.83	0.19	0.85
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	19	0.8	0.11	0.78
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	19	0.8	0.11	0.78
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	19	0.8	0.11	0.78
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	19	0.8	0.11	0.78
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	19	0.8	0.11	0.78
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	19	0.8	0.11	0.78
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	19	0.77	0.25	0.8
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	19	0.69	0.2	0.69
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	19	0.69	0.2	0.69
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	19	0.69	0.2	0.69
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	19	0.69	0.2	0.69
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	19	0.69	0.2	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	19	0.69	0.2	0.69
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	19	0.69	0.2	0.69
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	19	0.69	0.2	0.69
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	19	0.69	0.2	0.69
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	19	0.65	0.11	0.7
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	19	0.65	0.11	0.7
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	19	0.65	0.11	0.7
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	19	0.63	0.17	0.64
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	19	0.59	0.22	0.64
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	19	0.59	0.22	0.64
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	19	0.58	0.16	0.62
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	19	0.58	0.16	0.62
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	19	0.58	0.16	0.62
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	19	0.44	0.26	0.48
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	19	0.44	0.26	0.48
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	19	0.44	0.26	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	19	0.42	0.12	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	19	0.42	0.12	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	19	0.42	0.12	0.48
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	19	0.42	0.12	0.48
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	19	0.42	0.12	0.48
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	19	0.42	0.12	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	19	0.42	0.12	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	19	0.42	0.12	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	19	0.42	0.12	0.48
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	19	0.33	0.14	0.31
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	19	0.32	0.05	0.34
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	19	0.31	0.1	0.3
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	19	0.3	0.13	0.25
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	19	0.3	0.13	0.25
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	19	0.3	0.13	0.25
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	19	0.29	0.11	0.25
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	19	0.23	0.05	0.23
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	19	0.23	0.05	0.23
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	19	0.23	0.05	0.23
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	18	2.0	0.23	2.04
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	18	2.0	0.23	2.04
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	18	2.0	0.23	2.04
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	18	1.85	0.11	1.89
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	18	1.85	0.11	1.89
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	18	1.85	0.11	1.89
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	18	1.76	0.2	1.85

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	18	1.76	0.2	1.85
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	18	1.76	0.2	1.85
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	18	1.72	0.42	1.74
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	18	1.72	0.42	1.74
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	18	1.72	0.42	1.74
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	18	1.59	0.19	1.67
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	18	1.59	0.19	1.67
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	18	1.59	0.19	1.67
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	18	1.58	0.21	1.62
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	18	1.58	0.21	1.62
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	18	1.58	0.21	1.62
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	18	1.57	0.4	1.58
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	18	1.57	0.4	1.58
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	18	1.57	0.4	1.58
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	18	1.54	0.49	1.67
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	18	1.54	0.49	1.67
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	18	1.54	0.49	1.67
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	18	1.53	0.38	1.63
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	18	1.53	0.38	1.63
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	18	1.53	0.38	1.63
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	18	1.53	0.38	1.63
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	18	1.53	0.38	1.63
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	18	1.53	0.38	1.63
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	18	1.53	0.38	1.63
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	18	1.53	0.38	1.63
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	18	1.53	0.38	1.63
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	18	1.43	0.32	1.42
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	18	1.43	0.32	1.42
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	18	1.43	0.32	1.42
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	18	1.38	0.22	1.38
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	18	1.38	0.22	1.38
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	18	1.38	0.22	1.38
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	18	1.38	0.22	1.38
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	18	1.38	0.22	1.38
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	18	1.38	0.22	1.38
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	18	1.38	0.22	1.38
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	18	1.38	0.22	1.38
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	18	1.38	0.22	1.38
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	18	1.33	0.06	1.35
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	18	1.33	0.06	1.35
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	18	1.33	0.06	1.35
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	18	1.32	0.24	1.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	18	1.32	0.24	1.37
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	18	1.32	0.24	1.37
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	18	1.32	0.24	1.37
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	18	1.32	0.24	1.37
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	18	1.32	0.24	1.37
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	18	1.24	0.2	1.23
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	18	1.24	0.2	1.23
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	18	1.24	0.2	1.23
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	18	1.24	0.2	1.23
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	18	1.24	0.2	1.23
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	18	1.24	0.2	1.23
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	18	1.23	0.24	1.22
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	18	1.23	0.24	1.22
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	18	1.23	0.24	1.22
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	18	1.23	0.24	1.22
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	18	1.23	0.24	1.22
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	18	1.23	0.24	1.22
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	18	1.19	0.1	1.19
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	18	1.19	0.1	1.19
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	18	1.19	0.1	1.19
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	18	1.15	0.44	1.21
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	18	1.15	0.44	1.21
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	18	1.15	0.44	1.21
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	18	1.12	0.44	1.08
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	18	1.12	0.44	1.08
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	18	1.12	0.44	1.08
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	18	1.06	0.29	1.0
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	18	1.06	0.29	1.0
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	18	1.06	0.29	1.0
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	18	1.02	0.25	0.98
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	18	1.02	0.25	0.98
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	18	1.02	0.25	0.98
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	18	0.93	0.07	0.93
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	18	0.87	0.07	0.89
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	18	0.87	0.07	0.89
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	18	0.87	0.07	0.89
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	18	0.86	0.09	0.86
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	18	0.84	0.04	0.85
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	18	0.84	0.04	0.85
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	18	0.84	0.04	0.85
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	18	0.81	0.46	0.76
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	18	0.81	0.46	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	18	0.81	0.46	0.76
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	18	0.81	0.46	0.76
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	18	0.81	0.46	0.76
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	18	0.81	0.46	0.76
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	18	0.81	0.46	0.76
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	18	0.81	0.46	0.76
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	18	0.81	0.46	0.76
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	18	0.73	0.22	0.75
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	18	0.73	0.22	0.75
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	18	0.73	0.22	0.75
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	18	0.73	0.22	0.75
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	18	0.73	0.22	0.75
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	18	0.73	0.22	0.75
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	18	0.73	0.22	0.75
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	18	0.73	0.22	0.75
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	18	0.73	0.22	0.75
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	18	0.72	0.07	0.73
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	18	0.71	0.28	0.62
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	18	0.71	0.28	0.62
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	18	0.71	0.28	0.62
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	18	0.71	0.28	0.62
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	18	0.71	0.28	0.62
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	18	0.71	0.28	0.62
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	18	0.71	0.28	0.62
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	18	0.71	0.28	0.62
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	18	0.71	0.28	0.62
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	18	0.71	0.03	0.72
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	18	0.71	0.03	0.72
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	18	0.71	0.03	0.72
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	18	0.63	0.3	0.62
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	18	0.63	0.3	0.62
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	18	0.63	0.3	0.62
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	18	0.62	0.1	0.62
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	18	0.62	0.1	0.62
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	18	0.62	0.1	0.62
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	18	0.48	0.23	0.4
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	18	0.48	0.23	0.4
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	18	0.48	0.23	0.4
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	18	0.48	0.23	0.4
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	18	0.48	0.23	0.4
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	18	0.48	0.23	0.4
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	18	0.43	0.2	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	18	0.43	0.2	0.49
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	18	0.43	0.2	0.49
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	18	0.41	0.14	0.47
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	18	0.41	0.14	0.47
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	18	0.41	0.14	0.47
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	18	0.4	0.2	0.38
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	18	0.34	0.1	0.33
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	18	0.34	0.1	0.33
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	18	0.34	0.1	0.33
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	18	0.34	0.1	0.33
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	18	0.34	0.1	0.33
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	18	0.34	0.1	0.33
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	18	0.34	0.1	0.33
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	18	0.34	0.1	0.33
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	18	0.34	0.1	0.33
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	18	0.32	0.12	0.3
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	18	0.32	0.12	0.3
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	18	0.32	0.12	0.3
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	18	0.11	0.01	0.11
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	18	0.11	0.01	0.11
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	18	0.11	0.01	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	18	0.11	0.0	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	18	0.11	0.0	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	18	0.11	0.0	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	18	0.11	0.01	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	18	0.11	0.01	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	18	0.11	0.01	0.11
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	17	1.02	0.53	1.14
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	17	1.02	0.53	1.14
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	17	1.02	0.53	1.14
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	17	0.96	0.48	0.9
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	17	0.96	0.48	0.9
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	17	0.96	0.48	0.9
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	17	0.81	0.33	0.77
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	17	0.81	0.33	0.77
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	17	0.81	0.33	0.77
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	17	0.79	0.21	0.82
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	17	0.79	0.21	0.82
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	17	0.53	0.14	0.55
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	17	0.53	0.14	0.55
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	17	0.53	0.14	0.55
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	17	0.53	0.14	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	17	0.53	0.14	0.51
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	17	0.53	0.14	0.51
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	17	0.52	0.22	0.53
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	17	0.52	0.22	0.53
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	17	0.52	0.22	0.53
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	17	0.51	0.21	0.53
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	17	0.51	0.21	0.53
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	17	0.51	0.21	0.53
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	17	0.51	0.21	0.53
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	17	0.51	0.21	0.53
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	17	0.51	0.21	0.53
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	17	0.35	0.16	0.35
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	17	0.35	0.16	0.35
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	17	0.35	0.16	0.35
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	17	0.35	0.16	0.35
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	17	0.35	0.16	0.35
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	17	0.35	0.16	0.35
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	17	0.35	0.16	0.35
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	17	0.35	0.16	0.35
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	17	0.35	0.16	0.35
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	17	0.31	0.2	0.25
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	17	0.3	0.14	0.28
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	17	0.29	0.1	0.27
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	17	0.29	0.1	0.27
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	17	0.29	0.1	0.27
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	17	0.29	0.1	0.27
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	17	0.29	0.1	0.27
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	17	0.29	0.1	0.27
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	17	0.29	0.16	0.24
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	17	0.29	0.16	0.24
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	17	0.29	0.16	0.24
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	17	0.28	0.07	0.26
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	17	0.28	0.07	0.26
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	17	0.28	0.07	0.26
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	17	0.26	0.07	0.27
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	17	0.24	0.05	0.26
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	17	0.2	0.03	0.21
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	17	0.2	0.03	0.21
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	17	0.2	0.03	0.21
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	17	0.17	0.03	0.17
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	17	0.17	0.03	0.17
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	17	0.17	0.03	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	16	1.36	0.25	1.44
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	16	1.2	0.33	1.27
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	16	1.2	0.33	1.27
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	16	1.2	0.33	1.27
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	16	1.0	0.04	1.01
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	16	0.92	0.12	0.92
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	16	0.92	0.12	0.92
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	16	0.92	0.12	0.92
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	16	0.8	0.22	0.9
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	16	0.8	0.22	0.9
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	16	0.8	0.22	0.9
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	16	0.73	0.23	0.8
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	16	0.73	0.23	0.8
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	16	0.73	0.23	0.8
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	16	0.68	0.4	0.57
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	16	0.46	0.13	0.5
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	16	0.46	0.13	0.5
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	16	0.46	0.13	0.5
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	16	0.46	0.35	0.34
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	16	0.46	0.35	0.34
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	16	0.46	0.35	0.34
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	16	0.42	0.28	0.31
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	16	0.42	0.28	0.31
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	16	0.42	0.28	0.31
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	16	0.41	0.22	0.35
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	16	0.41	0.22	0.35
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	16	0.41	0.22	0.35
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	16	0.28	0.11	0.28
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	16	0.11	0.01	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	16	0.11	0.01	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	16	0.11	0.01	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	16	0.11	0.01	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	16	0.11	0.01	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	16	0.11	0.01	0.11
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	15	1.92	0.17	1.88
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	15	1.92	0.17	1.88
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	15	1.92	0.17	1.88
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	15	1.92	0.17	1.88
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	15	1.92	0.17	1.88
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	15	1.92	0.17	1.88
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	15	1.72	0.18	1.76
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	15	1.72	0.18	1.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	15	1.72	0.18	1.76
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	15	1.72	0.18	1.76
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	15	1.72	0.18	1.76
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	15	1.72	0.18	1.76
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	15	1.56	0.24	1.56
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	15	1.56	0.24	1.56
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	15	1.56	0.24	1.56
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	15	1.55	0.16	1.56
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	15	1.55	0.16	1.56
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	15	1.55	0.16	1.56
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	15	1.55	0.16	1.56
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	15	1.55	0.16	1.56
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	15	1.55	0.16	1.56
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	15	1.55	0.16	1.56
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	15	1.55	0.16	1.56
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	15	1.55	0.16	1.56
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	15	1.26	0.1	1.23
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	15	1.26	0.1	1.23
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	15	1.26	0.1	1.23
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	15	1.18	0.18	1.12
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	15	1.18	0.18	1.12
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	15	1.18	0.18	1.12
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	15	1.18	0.16	1.24
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	15	1.18	0.16	1.24
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	15	1.18	0.16	1.24
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	15	1.17	0.02	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	15	1.17	0.02	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	15	1.17	0.02	1.17
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	15	1.15	0.42	1.22
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	15	1.15	0.42	1.22
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	15	1.15	0.42	1.22
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	15	0.95	0.29	0.87
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	15	0.95	0.29	0.87
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	15	0.95	0.29	0.87
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	15	0.95	0.29	0.87
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	15	0.95	0.29	0.87
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	15	0.95	0.29	0.87
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	15	0.95	0.29	0.87
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	15	0.95	0.29	0.87
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	15	0.95	0.29	0.87
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	15	0.94	0.06	0.94
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	15	0.94	0.06	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	15	0.94	0.06	0.94
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	15	0.91	0.21	0.94
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	15	0.91	0.21	0.94
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	15	0.91	0.21	0.94
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	15	0.82	0.2	0.73
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	15	0.82	0.2	0.73
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	15	0.82	0.2	0.73
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	15	0.81	0.22	0.8
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	15	0.81	0.22	0.8
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	15	0.81	0.22	0.8
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	15	0.76	0.02	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	15	0.76	0.02	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	15	0.76	0.02	0.77
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	15	0.76	0.42	0.71
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	15	0.76	0.42	0.71
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	15	0.76	0.42	0.71
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	15	0.58	0.28	0.64
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	15	0.58	0.28	0.64
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	15	0.58	0.28	0.64
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	15	0.56	0.17	0.66
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	15	0.54	0.13	0.54
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	15	0.54	0.13	0.54
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	15	0.54	0.13	0.54
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	15	0.45	0.05	0.45
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	15	0.45	0.05	0.45
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	15	0.45	0.05	0.45
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	15	0.42	0.11	0.38
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	15	0.42	0.11	0.38
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	15	0.42	0.11	0.38
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	15	0.42	0.11	0.38
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	15	0.42	0.11	0.38
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	15	0.42	0.11	0.38
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	15	0.42	0.11	0.38
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	15	0.42	0.11	0.38
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	15	0.42	0.11	0.38
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	15	0.38	0.17	0.38
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	15	0.38	0.17	0.38
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	15	0.38	0.17	0.38
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	15	0.35	0.16	0.32
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	15	0.35	0.16	0.32
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	15	0.35	0.16	0.32
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	15	0.33	0.2	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	15	0.33	0.2	0.26
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	15	0.31	0.02	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	15	0.31	0.02	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	15	0.31	0.02	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	15	0.31	0.02	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	15	0.31	0.02	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	15	0.31	0.02	0.3
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	15	0.15	0.02	0.15
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	15	0.15	0.02	0.15
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	15	0.15	0.02	0.15
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	15	0.11	0.01	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	15	0.11	0.01	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	15	0.11	0.01	0.11
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	15	0.11	0.01	0.11
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	15	0.11	0.01	0.11
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	15	0.11	0.01	0.11
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	15	0.11	0.01	0.11
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	15	0.11	0.01	0.11
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	15	0.11	0.01	0.11
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	15	0.11	0.01	0.11
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	15	0.11	0.01	0.11
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	15	0.11	0.01	0.11
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	14	1.45	0.6	1.5
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	14	1.45	0.6	1.5
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	14	1.45	0.6	1.5
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	14	1.45	0.6	1.5
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	14	1.45	0.6	1.5
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	14	1.45	0.6	1.5
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	14	1.45	0.6	1.5
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	14	1.45	0.6	1.5
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	14	1.45	0.6	1.5
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	14	1.35	0.03	1.35
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	14	1.07	0.4	1.21
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	14	1.07	0.4	1.21
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	14	1.07	0.4	1.21
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	14	0.91	0.24	0.9
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	14	0.82	0.12	0.84
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	14	0.82	0.12	0.84
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	14	0.82	0.12	0.84
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	14	0.74	0.3	0.64
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	14	0.71	0.23	0.8
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	14	0.71	0.23	0.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	14	0.71	0.23	0.8
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	14	0.47	0.32	0.38
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	14	0.43	0.06	0.42
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	14	0.38	0.22	0.33
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	14	0.38	0.22	0.33
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	14	0.38	0.22	0.33
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	14	0.36	0.1	0.35
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	14	0.36	0.1	0.35
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	14	0.36	0.1	0.35
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	14	0.33	0.15	0.3
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	14	0.33	0.15	0.3
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	14	0.33	0.15	0.3
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	14	0.28	0.1	0.28
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	14	0.28	0.07	0.28
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	14	0.28	0.07	0.28
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	14	0.28	0.07	0.28
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	14	0.28	0.07	0.28
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	14	0.28	0.07	0.28
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	14	0.28	0.07	0.28
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	14	0.28	0.07	0.28
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	14	0.28	0.07	0.28
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	14	0.28	0.07	0.28
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	14	0.12	0.01	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	14	0.12	0.01	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	14	0.12	0.01	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	14	0.12	0.01	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	14	0.12	0.01	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	14	0.12	0.01	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	14	0.12	0.01	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	14	0.12	0.01	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	14	0.12	0.01	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	14	0.12	0.01	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	14	0.12	0.01	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	14	0.12	0.01	0.12
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	14	0.11	0.01	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	14	0.11	0.01	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	14	0.11	0.01	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	14	0.11	0.01	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	14	0.11	0.01	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	14	0.11	0.01	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	14	0.11	0.01	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	14	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	14	0.11	0.01	0.11
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	14	0.1	0.0	0.1
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	14	0.1	0.0	0.1
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	14	0.1	0.0	0.1
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	13	1.68	0.49	1.85
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	13	1.68	0.49	1.85
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	13	1.68	0.49	1.85
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	13	1.68	0.49	1.85
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	13	1.68	0.49	1.85
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	13	1.68	0.49	1.85
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	13	1.59	0.61	1.63
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	13	1.59	0.61	1.63
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	13	1.59	0.61	1.63
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	13	1.12	0.63	1.26
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	13	1.12	0.63	1.26
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	13	1.12	0.63	1.26
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	13	1.12	0.63	1.26
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	13	1.12	0.63	1.26
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	13	1.12	0.63	1.26
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	13	0.69	0.42	0.68
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	13	0.69	0.42	0.68
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	13	0.69	0.42	0.68
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	13	0.45	0.09	0.47
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	13	0.45	0.09	0.47
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	13	0.45	0.09	0.47
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	13	0.44	0.26	0.35
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	13	0.44	0.26	0.35
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	13	0.44	0.26	0.35
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	13	0.44	0.26	0.35
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	13	0.44	0.26	0.35
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	13	0.44	0.26	0.35
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	13	0.44	0.26	0.35
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	13	0.44	0.26	0.35
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	13	0.44	0.26	0.35
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	13	0.34	0.17	0.32
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	13	0.34	0.17	0.32
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	13	0.34	0.17	0.32
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	13	0.34	0.17	0.32
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	13	0.34	0.17	0.32
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	13	0.34	0.17	0.32
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	13	0.28	0.12	0.31
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	13	0.28	0.12	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	13	0.28	0.12	0.31
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	13	0.27	0.07	0.26
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	13	0.27	0.07	0.26
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	13	0.27	0.07	0.26
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	13	0.26	0.09	0.24
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	13	0.19	0.05	0.18
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	13	0.19	0.05	0.18
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	13	0.19	0.05	0.18
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	13	0.15	0.05	0.14
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	13	0.15	0.05	0.14
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	13	0.15	0.05	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	13	0.15	0.05	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	13	0.15	0.05	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	13	0.15	0.05	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	13	0.15	0.05	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	13	0.15	0.05	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	13	0.15	0.05	0.14
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	12	2.29	0.2	2.3
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	12	2.29	0.2	2.3
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	12	2.29	0.2	2.3
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	12	2.01	0.25	1.97
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	12	2.01	0.25	1.97
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	12	2.01	0.25	1.97
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	12	1.46	0.45	1.38
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	12	1.46	0.45	1.38
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	12	1.46	0.45	1.38
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	12	1.41	0.25	1.42
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	12	1.41	0.25	1.42
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	12	1.41	0.25	1.42
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	12	1.23	0.31	1.23
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	12	1.23	0.31	1.23
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	12	1.23	0.31	1.23
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	12	1.21	0.31	1.22
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	12	1.21	0.31	1.22
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	12	1.21	0.31	1.22
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	12	1.08	0.59	1.18
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	12	1.08	0.59	1.18
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	12	1.08	0.59	1.18
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	12	1.05	0.36	1.01
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	12	1.05	0.36	1.01
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	12	1.05	0.36	1.01
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	12	1.03	0.16	1.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	12	1.03	0.16	1.04
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	12	1.03	0.16	1.04
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	12	1.03	0.16	1.04
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	12	1.03	0.16	1.04
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	12	1.03	0.16	1.04
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	12	1.03	0.32	1.07
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	12	1.03	0.32	1.07
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	12	1.03	0.32	1.07
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	12	1.02	0.54	1.12
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	12	1.02	0.54	1.12
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	12	1.02	0.54	1.12
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	12	0.92	0.43	0.99
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	12	0.88	0.98	0.2
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	12	0.88	0.98	0.2
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	12	0.88	0.98	0.2
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	12	0.86	0.54	0.92
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	12	0.86	0.54	0.92
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	12	0.86	0.54	0.92
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	12	0.66	0.13	0.72
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	12	0.66	0.13	0.72
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	12	0.66	0.13	0.72
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	12	0.54	0.33	0.56
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	12	0.54	0.33	0.56
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	12	0.54	0.33	0.56
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	12	0.42	0.06	0.44
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	12	0.42	0.07	0.42
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	12	0.42	0.17	0.4
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	12	0.42	0.17	0.4
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	12	0.42	0.17	0.4
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	12	0.4	0.15	0.44
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	12	0.4	0.15	0.44
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	12	0.4	0.15	0.44
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	12	0.4	0.15	0.44
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	12	0.4	0.15	0.44
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	12	0.4	0.15	0.44
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	12	0.4	0.15	0.44
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	12	0.4	0.15	0.44
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	12	0.4	0.15	0.44
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	12	0.4	0.22	0.34
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	12	0.4	0.22	0.34
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	12	0.4	0.22	0.34
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	12	0.33	0.05	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	12	0.33	0.05	0.33
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	12	0.33	0.05	0.33
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	12	0.22	0.11	0.22
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	12	0.22	0.11	0.22
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	12	0.22	0.11	0.22
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	12	0.18	0.05	0.17
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	12	0.18	0.05	0.17
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	12	0.18	0.05	0.17
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	12	0.12	0.01	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	12	0.12	0.01	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	12	0.12	0.01	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	12	0.12	0.01	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	12	0.12	0.01	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	12	0.12	0.01	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	12	0.12	0.01	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	12	0.12	0.01	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	12	0.12	0.01	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	12	0.12	0.01	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	12	0.12	0.01	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	12	0.12	0.01	0.12
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	11	2.51	0.77	2.77
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	11	2.51	0.77	2.77
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	11	2.51	0.77	2.77
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	11	0.91	0.15	0.95
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	11	0.91	0.15	0.95
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	11	0.91	0.15	0.95
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	11	0.7	0.67	0.14
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	11	0.7	0.67	0.14
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	11	0.7	0.67	0.14
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	11	0.7	0.67	0.14
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	11	0.7	0.67	0.14
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	11	0.7	0.67	0.14
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	11	0.7	0.67	0.14
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	11	0.7	0.67	0.14
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	11	0.7	0.67	0.14
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	11	0.61	0.3	0.6
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	11	0.61	0.3	0.6
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	11	0.61	0.3	0.6
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	11	0.59	0.27	0.53
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	11	0.5	0.04	0.51
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	11	0.49	0.24	0.5
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	11	0.48	0.22	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	11	0.48	0.22	0.41
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	11	0.48	0.22	0.41
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	11	0.43	0.18	0.47
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	11	0.43	0.18	0.47
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	11	0.35	0.1	0.38
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	11	0.33	0.18	0.31
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	11	0.31	0.1	0.29
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	11	0.3	0.14	0.28
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	11	0.3	0.14	0.28
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	11	0.3	0.14	0.28
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	11	0.26	0.07	0.28
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	11	0.26	0.07	0.28
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	11	0.26	0.07	0.28
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	11	0.22	0.1	0.17
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	11	0.19	0.01	0.19
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	11	0.12	0.01	0.12
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	11	0.12	0.01	0.12
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	11	0.12	0.01	0.12
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	11	0.12	0.01	0.12
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	11	0.12	0.01	0.12
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	11	0.12	0.01	0.12
(1,1696)	1:71:A:VAL:HG11	1:154:A:PHE:HA	10	2.18	0.1	2.2
(1,1696)	1:71:A:VAL:HG12	1:154:A:PHE:HA	10	2.18	0.1	2.2
(1,1696)	1:71:A:VAL:HG13	1:154:A:PHE:HA	10	2.18	0.1	2.2
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD1	10	1.76	0.11	1.81
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD2	10	1.76	0.11	1.81
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD1	10	1.76	0.11	1.81
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD2	10	1.76	0.11	1.81
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD1	10	1.76	0.11	1.81
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD2	10	1.76	0.11	1.81
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG11	10	1.76	0.57	1.86
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG12	10	1.76	0.57	1.86
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG13	10	1.76	0.57	1.86
(1,1658)	1:71:A:VAL:HG11	1:155:A:LYS:H	10	1.63	0.12	1.63
(1,1658)	1:71:A:VAL:HG12	1:155:A:LYS:H	10	1.63	0.12	1.63
(1,1658)	1:71:A:VAL:HG13	1:155:A:LYS:H	10	1.63	0.12	1.63
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG21	10	1.47	0.29	1.36
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG22	10	1.47	0.29	1.36
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG23	10	1.47	0.29	1.36
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD1	10	1.46	0.25	1.42
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD2	10	1.46	0.25	1.42
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD1	10	1.46	0.25	1.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD2	10	1.46	0.25	1.42
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD1	10	1.46	0.25	1.42
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD2	10	1.46	0.25	1.42
(1,1698)	1:71:A:VAL:HG11	1:73:A:PHE:H	10	1.45	0.21	1.44
(1,1698)	1:71:A:VAL:HG12	1:73:A:PHE:H	10	1.45	0.21	1.44
(1,1698)	1:71:A:VAL:HG13	1:73:A:PHE:H	10	1.45	0.21	1.44
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG21	10	1.28	0.06	1.27
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG22	10	1.28	0.06	1.27
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG23	10	1.28	0.06	1.27
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB2	10	1.26	0.11	1.26
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB3	10	1.26	0.11	1.26
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB2	10	1.26	0.11	1.26
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB3	10	1.26	0.11	1.26
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB2	10	1.26	0.11	1.26
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB3	10	1.26	0.11	1.26
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG11	10	1.06	0.64	0.74
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG12	10	1.06	0.64	0.74
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG13	10	1.06	0.64	0.74
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE1	10	1.04	0.07	1.04
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE2	10	1.04	0.07	1.04
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE1	10	1.04	0.07	1.04
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE2	10	1.04	0.07	1.04
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE1	10	1.04	0.07	1.04
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE2	10	1.04	0.07	1.04
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG21	10	1.02	0.24	1.02
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG22	10	1.02	0.24	1.02
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG23	10	1.02	0.24	1.02
(1,1660)	1:71:A:VAL:HG11	1:73:A:PHE:HZ	10	1.02	0.17	1.02
(1,1660)	1:71:A:VAL:HG12	1:73:A:PHE:HZ	10	1.02	0.17	1.02
(1,1660)	1:71:A:VAL:HG13	1:73:A:PHE:HZ	10	1.02	0.17	1.02
(1,966)	1:16:A:VAL:HG21	1:18:A:ASN:HD21	10	0.91	0.84	0.5
(1,966)	1:16:A:VAL:HG22	1:18:A:ASN:HD21	10	0.91	0.84	0.5
(1,966)	1:16:A:VAL:HG23	1:18:A:ASN:HD21	10	0.91	0.84	0.5
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG21	10	0.9	0.05	0.92
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG22	10	0.9	0.05	0.92
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG23	10	0.9	0.05	0.92
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG21	10	0.84	0.19	0.86
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG22	10	0.84	0.19	0.86
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG23	10	0.84	0.19	0.86
(1,495)	1:13:A:LYS:HB2	1:15:A:GLU:H	10	0.84	0.17	0.83
(1,1695)	1:71:A:VAL:HG11	1:72:A:ALA:H	10	0.8	0.12	0.76
(1,1695)	1:71:A:VAL:HG12	1:72:A:ALA:H	10	0.8	0.12	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1695)	1:71:A:VAL:HG13	1:72:A:ALA:H	10	0.8	0.12	0.76
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG11	10	0.7	0.18	0.68
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG12	10	0.7	0.18	0.68
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG13	10	0.7	0.18	0.68
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG11	10	0.7	0.18	0.68
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG12	10	0.7	0.18	0.68
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG13	10	0.7	0.18	0.68
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG21	10	0.69	0.03	0.69
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG22	10	0.69	0.03	0.69
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG23	10	0.69	0.03	0.69
(1,3969)	1:11:A:HIS:HB2	1:11:A:HIS:HD2	10	0.68	0.07	0.68
(1,2982)	1:16:A:VAL:HG21	1:18:A:ASN:HB2	10	0.66	0.59	0.54
(1,2982)	1:16:A:VAL:HG22	1:18:A:ASN:HB2	10	0.66	0.59	0.54
(1,2982)	1:16:A:VAL:HG23	1:18:A:ASN:HB2	10	0.66	0.59	0.54
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB1	10	0.63	0.24	0.55
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB2	10	0.63	0.24	0.55
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB3	10	0.63	0.24	0.55
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG21	10	0.59	0.08	0.64
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG22	10	0.59	0.08	0.64
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG23	10	0.59	0.08	0.64
(1,2718)	1:52:A:VAL:HG11	1:53:A:GLY:HA3	10	0.49	0.22	0.52
(1,2718)	1:52:A:VAL:HG12	1:53:A:GLY:HA3	10	0.49	0.22	0.52
(1,2718)	1:52:A:VAL:HG13	1:53:A:GLY:HA3	10	0.49	0.22	0.52
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG11	10	0.41	0.18	0.38
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG12	10	0.41	0.18	0.38
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG13	10	0.41	0.18	0.38
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG11	10	0.41	0.08	0.43
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG12	10	0.41	0.08	0.43
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG13	10	0.41	0.08	0.43
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG11	10	0.41	0.08	0.43
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG12	10	0.41	0.08	0.43
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG13	10	0.41	0.08	0.43
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG11	10	0.41	0.08	0.43
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG12	10	0.41	0.08	0.43
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG13	10	0.41	0.08	0.43
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG21	10	0.37	0.03	0.38
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG22	10	0.37	0.03	0.38
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG23	10	0.37	0.03	0.38
(1,573)	1:91:A:SER:HB2	1:93:A:ALA:H	10	0.33	0.02	0.34
(1,1788)	1:71:A:VAL:HG21	1:157:A:GLN:H	10	0.33	0.1	0.33
(1,1788)	1:71:A:VAL:HG22	1:157:A:GLN:H	10	0.33	0.1	0.33
(1,1788)	1:71:A:VAL:HG23	1:157:A:GLN:H	10	0.33	0.1	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2857)	1:105:A:ASP:HB2	1:111:A:LEU:HG	10	0.26	0.1	0.3
(1,365)	1:137:A:TYR:HB2	1:138:A:PHE:H	10	0.25	0.1	0.24
(1,2923)	1:61:A:CYS:HB2	1:62:A:ASP:H	10	0.23	0.06	0.25
(1,2030)	1:159:A:GLN:HA	1:159:A:GLN:HG3	10	0.19	0.05	0.19
(1,3540)	1:45:A:GLU:HB2	1:47:A:ALA:H	10	0.18	0.05	0.18
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD1	10	0.12	0.01	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD2	10	0.12	0.01	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD1	10	0.12	0.01	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD2	10	0.12	0.01	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD1	10	0.12	0.01	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD2	10	0.12	0.01	0.11
(1,1848)	1:63:A:THR:HG21	1:65:A:VAL:H	10	0.11	0.0	0.11
(1,1848)	1:63:A:THR:HG22	1:65:A:VAL:H	10	0.11	0.0	0.11
(1,1848)	1:63:A:THR:HG23	1:65:A:VAL:H	10	0.11	0.0	0.11
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE1	10	0.11	0.01	0.11
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE2	10	0.11	0.01	0.11
(1,1929)	1:16:A:VAL:HG21	1:18:A:ASN:HA	9	1.99	0.21	2.02
(1,1929)	1:16:A:VAL:HG22	1:18:A:ASN:HA	9	1.99	0.21	2.02
(1,1929)	1:16:A:VAL:HG23	1:18:A:ASN:HA	9	1.99	0.21	2.02
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG11	9	1.76	0.85	1.85
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG12	9	1.76	0.85	1.85
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG13	9	1.76	0.85	1.85
(1,1969)	1:16:A:VAL:HG21	1:18:A:ASN:HB3	9	1.44	0.28	1.51
(1,1969)	1:16:A:VAL:HG22	1:18:A:ASN:HB3	9	1.44	0.28	1.51
(1,1969)	1:16:A:VAL:HG23	1:18:A:ASN:HB3	9	1.44	0.28	1.51
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG11	9	1.09	0.11	1.14
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG12	9	1.09	0.11	1.14
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG13	9	1.09	0.11	1.14
(1,297)	1:16:A:VAL:HG21	1:18:A:ASN:H	9	0.91	0.15	0.89
(1,297)	1:16:A:VAL:HG22	1:18:A:ASN:H	9	0.91	0.15	0.89
(1,297)	1:16:A:VAL:HG23	1:18:A:ASN:H	9	0.91	0.15	0.89
(1,676)	1:52:A:VAL:HG11	1:54:A:PHE:H	9	0.87	0.48	0.91
(1,676)	1:52:A:VAL:HG12	1:54:A:PHE:H	9	0.87	0.48	0.91
(1,676)	1:52:A:VAL:HG13	1:54:A:PHE:H	9	0.87	0.48	0.91
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG21	9	0.85	0.22	0.92
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG22	9	0.85	0.22	0.92
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG23	9	0.85	0.22	0.92
(1,3342)	1:23:A:VAL:HG21	1:27:A:SER:HB2	9	0.73	0.55	0.67
(1,3342)	1:23:A:VAL:HG22	1:27:A:SER:HB2	9	0.73	0.55	0.67
(1,3342)	1:23:A:VAL:HG23	1:27:A:SER:HB2	9	0.73	0.55	0.67
(1,49)	1:23:A:VAL:HG21	1:57:A:GLN:H	9	0.68	0.45	0.69
(1,49)	1:23:A:VAL:HG22	1:57:A:GLN:H	9	0.68	0.45	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,49)	1:23:A:VAL:HG23	1:57:A:GLN:H	9	0.68	0.45	0.69
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG21	9	0.58	0.03	0.59
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG22	9	0.58	0.03	0.59
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG23	9	0.58	0.03	0.59
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD2	9	0.54	0.14	0.53
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD3	9	0.54	0.14	0.53
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD21	9	0.47	0.4	0.31
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD22	9	0.47	0.4	0.31
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD23	9	0.47	0.4	0.31
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD21	9	0.47	0.4	0.31
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD22	9	0.47	0.4	0.31
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD23	9	0.47	0.4	0.31
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD21	9	0.47	0.4	0.31
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD22	9	0.47	0.4	0.31
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD23	9	0.47	0.4	0.31
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG11	9	0.36	0.08	0.34
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG12	9	0.36	0.08	0.34
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG13	9	0.36	0.08	0.34
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG21	9	0.32	0.22	0.25
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG22	9	0.32	0.22	0.25
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG23	9	0.32	0.22	0.25
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG21	9	0.32	0.22	0.25
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG22	9	0.32	0.22	0.25
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG23	9	0.32	0.22	0.25
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG21	9	0.32	0.22	0.25
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG22	9	0.32	0.22	0.25
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG23	9	0.32	0.22	0.25
(1,1080)	1:107:A:THR:H	1:108:A:GLY:HA3	9	0.31	0.12	0.32
(1,1071)	1:86:A:LEU:HD21	1:153:A:THR:H	9	0.29	0.12	0.28
(1,1071)	1:86:A:LEU:HD22	1:153:A:THR:H	9	0.29	0.12	0.28
(1,1071)	1:86:A:LEU:HD23	1:153:A:THR:H	9	0.29	0.12	0.28
(1,764)	1:91:A:SER:H	1:91:A:SER:HB3	9	0.24	0.1	0.22
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG21	9	0.23	0.11	0.23
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG22	9	0.23	0.11	0.23
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG23	9	0.23	0.11	0.23
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG21	9	0.23	0.11	0.23
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG22	9	0.23	0.11	0.23
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG23	9	0.23	0.11	0.23
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG21	9	0.23	0.11	0.23
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG22	9	0.23	0.11	0.23
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG23	9	0.23	0.11	0.23
(1,3039)	1:16:A:VAL:HG21	1:168:A:THR:HB	8	1.18	0.3	1.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3039)	1:16:A:VAL:HG22	1:168:A:THR:HB	8	1.18	0.3	1.12
(1,3039)	1:16:A:VAL:HG23	1:168:A:THR:HB	8	1.18	0.3	1.12
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG21	8	0.96	0.25	0.9
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG22	8	0.96	0.25	0.9
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG23	8	0.96	0.25	0.9
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG21	8	0.96	0.25	0.9
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG22	8	0.96	0.25	0.9
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG23	8	0.96	0.25	0.9
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG21	8	0.96	0.25	0.9
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG22	8	0.96	0.25	0.9
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG23	8	0.96	0.25	0.9
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB1	8	0.77	0.37	0.64
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB2	8	0.77	0.37	0.64
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB3	8	0.77	0.37	0.64
(1,1100)	1:104:A:LEU:HD21	1:134:A:GLN:HE21	8	0.67	0.18	0.7
(1,1100)	1:104:A:LEU:HD22	1:134:A:GLN:HE21	8	0.67	0.18	0.7
(1,1100)	1:104:A:LEU:HD23	1:134:A:GLN:HE21	8	0.67	0.18	0.7
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG21	8	0.5	0.18	0.5
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG22	8	0.5	0.18	0.5
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG23	8	0.5	0.18	0.5
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG21	8	0.4	0.26	0.34
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG22	8	0.4	0.26	0.34
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG23	8	0.4	0.26	0.34
(1,3778)	1:106:A:ARG:HG2	1:107:A:THR:HB	8	0.33	0.2	0.3
(1,1704)	1:23:A:VAL:HG21	1:24:A:ASP:H	8	0.3	0.11	0.29
(1,1704)	1:23:A:VAL:HG22	1:24:A:ASP:H	8	0.3	0.11	0.29
(1,1704)	1:23:A:VAL:HG23	1:24:A:ASP:H	8	0.3	0.11	0.29
(1,2761)	1:24:A:ASP:HB3	1:59:A:ASN:HD21	8	0.3	0.03	0.3
(1,2726)	1:8:A:GLY:HA2	1:9:A:THR:H	8	0.22	0.06	0.2
(1,1472)	1:34:A:LEU:HD11	1:137:A:TYR:H	8	0.19	0.08	0.15
(1,1472)	1:34:A:LEU:HD12	1:137:A:TYR:H	8	0.19	0.08	0.15
(1,1472)	1:34:A:LEU:HD13	1:137:A:TYR:H	8	0.19	0.08	0.15
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG11	8	0.14	0.02	0.13
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG12	8	0.14	0.02	0.13
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG13	8	0.14	0.02	0.13
(1,1806)	1:182:A:VAL:HG21	1:183:A:ASN:H	8	0.13	0.03	0.12
(1,1806)	1:182:A:VAL:HG22	1:183:A:ASN:H	8	0.13	0.03	0.12
(1,1806)	1:182:A:VAL:HG23	1:183:A:ASN:H	8	0.13	0.03	0.12
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE1	8	0.11	0.01	0.12
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE2	8	0.11	0.01	0.12
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE1	8	0.11	0.01	0.12
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE2	8	0.11	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE1	8	0.11	0.01	0.12
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE2	8	0.11	0.01	0.12
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD11	8	0.11	0.01	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD12	8	0.11	0.01	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD13	8	0.11	0.01	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD11	8	0.11	0.01	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD12	8	0.11	0.01	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD13	8	0.11	0.01	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB1	8	0.11	0.01	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB2	8	0.11	0.01	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB3	8	0.11	0.01	0.11
(1,3947)	1:71:A:VAL:HB	1:133:A:PHE:HZ	8	0.11	0.0	0.11
(1,1467)	1:12:A:PHE:HA	1:13:A:LYS:HG2	7	0.69	0.24	0.73
(1,2729)	1:14:A:GLY:HA2	1:15:A:GLU:HB3	7	0.54	0.12	0.55
(1,1720)	1:24:A:ASP:HA	1:59:A:ASN:HB2	7	0.52	0.34	0.46
(1,158)	1:84:A:ASN:HB2	1:113:A:LEU:H	7	0.52	0.26	0.4
(1,2941)	1:12:A:PHE:HB2	1:13:A:LYS:HA	7	0.5	0.2	0.53
(1,1744)	1:23:A:VAL:HG11	1:59:A:ASN:H	7	0.49	0.26	0.39
(1,1744)	1:23:A:VAL:HG12	1:59:A:ASN:H	7	0.49	0.26	0.39
(1,1744)	1:23:A:VAL:HG13	1:59:A:ASN:H	7	0.49	0.26	0.39
(1,3042)	1:155:A:LYS:HB2	1:172:A:GLY:H	7	0.47	0.18	0.47
(1,2780)	1:33:A:GLN:HB2	1:35:A:GLY:HA2	7	0.38	0.14	0.38
(1,3283)	1:70:A:ALA:H	1:159:A:GLN:HG3	7	0.36	0.19	0.42
(1,2728)	1:13:A:LYS:HB2	1:14:A:GLY:HA3	7	0.35	0.11	0.38
(1,1106)	1:74:A:LEU:HB3	1:115:A:GLY:H	7	0.27	0.09	0.29
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG11	7	0.26	0.16	0.2
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG12	7	0.26	0.16	0.2
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG13	7	0.26	0.16	0.2
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD21	7	0.24	0.06	0.24
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD22	7	0.24	0.06	0.24
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD23	7	0.24	0.06	0.24
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD11	7	0.24	0.04	0.22
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD12	7	0.24	0.04	0.22
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD13	7	0.24	0.04	0.22
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG21	7	0.24	0.08	0.23
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG22	7	0.24	0.08	0.23
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG23	7	0.24	0.08	0.23
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG21	7	0.21	0.1	0.2
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG22	7	0.21	0.1	0.2
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG23	7	0.21	0.1	0.2
(1,3169)	1:104:A:LEU:HD21	1:134:A:GLN:HB2	7	0.2	0.1	0.15
(1,3169)	1:104:A:LEU:HD22	1:134:A:GLN:HB2	7	0.2	0.1	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3169)	1:104:A:LEU:HD23	1:134:A:GLN:HB2	7	0.2	0.1	0.15
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB1	7	0.2	0.1	0.15
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB2	7	0.2	0.1	0.15
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB3	7	0.2	0.1	0.15
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB1	7	0.2	0.1	0.15
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB2	7	0.2	0.1	0.15
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB3	7	0.2	0.1	0.15
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB1	7	0.2	0.1	0.15
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB2	7	0.2	0.1	0.15
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB3	7	0.2	0.1	0.15
(1,1435)	1:39:A:THR:HG21	1:145:A:PRO:HG2	7	0.16	0.06	0.13
(1,1435)	1:39:A:THR:HG22	1:145:A:PRO:HG2	7	0.16	0.06	0.13
(1,1435)	1:39:A:THR:HG23	1:145:A:PRO:HG2	7	0.16	0.06	0.13
(1,2334)	1:170:A:VAL:HG11	1:171:A:ASN:HA	7	0.15	0.03	0.15
(1,2334)	1:170:A:VAL:HG12	1:171:A:ASN:HA	7	0.15	0.03	0.15
(1,2334)	1:170:A:VAL:HG13	1:171:A:ASN:HA	7	0.15	0.03	0.15
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD1	7	0.12	0.01	0.11
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD2	7	0.12	0.01	0.11
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD1	7	0.12	0.01	0.11
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD2	7	0.12	0.01	0.11
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD1	7	0.12	0.01	0.11
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD2	7	0.12	0.01	0.11
(1,2391)	1:92:A:ALA:HB1	1:93:A:ALA:HA	7	0.11	0.01	0.1
(1,2391)	1:92:A:ALA:HB2	1:93:A:ALA:HA	7	0.11	0.01	0.1
(1,2391)	1:92:A:ALA:HB3	1:93:A:ALA:HA	7	0.11	0.01	0.1
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD11	6	1.43	0.62	1.62
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD12	6	1.43	0.62	1.62
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD13	6	1.43	0.62	1.62
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD11	6	0.98	0.55	0.98
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD12	6	0.98	0.55	0.98
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD13	6	0.98	0.55	0.98
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	6	0.81	0.34	0.88
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	6	0.81	0.34	0.88
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	6	0.81	0.34	0.88
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	6	0.81	0.34	0.88
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	6	0.81	0.34	0.88
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	6	0.81	0.34	0.88
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	6	0.81	0.34	0.88
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	6	0.81	0.34	0.88
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	6	0.81	0.34	0.88
(1,1094)	1:157:A:GLN:HB2	1:159:A:GLN:HE21	6	0.76	0.34	0.8
(1,2846)	1:54:A:PHE:HA	1:55:A:ASN:HB3	6	0.66	0.15	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3527)	1:176:A:HIS:HB2	1:178:A:LYS:HE2	6	0.52	0.26	0.53
(1,498)	1:155:A:LYS:HB2	1:170:A:VAL:H	6	0.49	0.17	0.48
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG11	6	0.41	0.39	0.28
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG12	6	0.41	0.39	0.28
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG13	6	0.41	0.39	0.28
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG21	6	0.41	0.39	0.28
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG22	6	0.41	0.39	0.28
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG23	6	0.41	0.39	0.28
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG21	6	0.41	0.25	0.32
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG22	6	0.41	0.25	0.32
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG23	6	0.41	0.25	0.32
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD11	6	0.4	0.17	0.43
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD12	6	0.4	0.17	0.43
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD13	6	0.4	0.17	0.43
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG21	6	0.37	0.41	0.16
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG22	6	0.37	0.41	0.16
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG23	6	0.37	0.41	0.16
(1,2419)	1:129:A:ASN:HA	1:129:A:ASN:HD22	6	0.34	0.12	0.37
(1,3469)	1:84:A:ASN:HB2	1:112:A:THR:HA	6	0.32	0.19	0.26
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB1	6	0.28	0.12	0.3
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB2	6	0.28	0.12	0.3
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB3	6	0.28	0.12	0.3
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG11	6	0.26	0.12	0.26
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG12	6	0.26	0.12	0.26
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG13	6	0.26	0.12	0.26
(1,762)	1:90:A:SER:HB3	1:91:A:SER:H	6	0.26	0.07	0.26
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB1	6	0.19	0.06	0.21
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB2	6	0.19	0.06	0.21
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB3	6	0.19	0.06	0.21
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB1	6	0.19	0.06	0.21
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB2	6	0.19	0.06	0.21
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB3	6	0.19	0.06	0.21
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB1	6	0.19	0.06	0.21
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB2	6	0.19	0.06	0.21
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB3	6	0.19	0.06	0.21
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG21	6	0.19	0.1	0.16
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG22	6	0.19	0.1	0.16
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG23	6	0.19	0.1	0.16
(1,1839)	1:28:A:VAL:HG11	1:174:A:THR:H	6	0.18	0.06	0.15
(1,1839)	1:28:A:VAL:HG12	1:174:A:THR:H	6	0.18	0.06	0.15
(1,1839)	1:28:A:VAL:HG13	1:174:A:THR:H	6	0.18	0.06	0.15
(1,844)	1:64:A:ASN:HB3	1:64:A:ASN:HD22	6	0.12	0.02	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG21	6	0.12	0.01	0.12
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG22	6	0.12	0.01	0.12
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG23	6	0.12	0.01	0.12
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG21	6	0.12	0.01	0.12
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG22	6	0.12	0.01	0.12
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG23	6	0.12	0.01	0.12
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG21	6	0.12	0.01	0.12
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG22	6	0.12	0.01	0.12
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG23	6	0.12	0.01	0.12
(1,1434)	1:39:A:THR:HG21	1:145:A:PRO:HB2	6	0.11	0.0	0.11
(1,1434)	1:39:A:THR:HG22	1:145:A:PRO:HB2	6	0.11	0.0	0.11
(1,1434)	1:39:A:THR:HG23	1:145:A:PRO:HB2	6	0.11	0.0	0.11
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE1	6	0.11	0.0	0.11
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE2	6	0.11	0.0	0.11
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD11	5	1.95	0.19	1.99
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD12	5	1.95	0.19	1.99
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD13	5	1.95	0.19	1.99
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD11	5	1.95	0.19	1.99
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD12	5	1.95	0.19	1.99
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD13	5	1.95	0.19	1.99
(1,2373)	1:124:A:LEU:HD21	1:129:A:ASN:HA	5	1.9	0.34	1.9
(1,2373)	1:124:A:LEU:HD22	1:129:A:ASN:HA	5	1.9	0.34	1.9
(1,2373)	1:124:A:LEU:HD23	1:129:A:ASN:HA	5	1.9	0.34	1.9
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD1	5	1.82	0.16	1.84
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD2	5	1.82	0.16	1.84
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD1	5	1.82	0.16	1.84
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD2	5	1.82	0.16	1.84
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD1	5	1.82	0.16	1.84
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD2	5	1.82	0.16	1.84
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD11	5	1.75	0.23	1.74
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD12	5	1.75	0.23	1.74
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD13	5	1.75	0.23	1.74
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD11	5	1.75	0.23	1.74
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD12	5	1.75	0.23	1.74
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD13	5	1.75	0.23	1.74
(1,732)	1:124:A:LEU:HD21	1:130:A:THR:H	5	1.51	0.49	1.55
(1,732)	1:124:A:LEU:HD22	1:130:A:THR:H	5	1.51	0.49	1.55
(1,732)	1:124:A:LEU:HD23	1:130:A:THR:H	5	1.51	0.49	1.55
(1,1939)	1:124:A:LEU:HD21	1:129:A:ASN:HB3	5	1.43	0.57	1.75
(1,1939)	1:124:A:LEU:HD22	1:129:A:ASN:HB3	5	1.43	0.57	1.75
(1,1939)	1:124:A:LEU:HD23	1:129:A:ASN:HB3	5	1.43	0.57	1.75
(1,135)	1:124:A:LEU:HD21	1:129:A:ASN:H	5	1.31	0.36	1.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,135)	1:124:A:LEU:HD22	1:129:A:ASN:H	5	1.31	0.36	1.24
(1,135)	1:124:A:LEU:HD23	1:129:A:ASN:H	5	1.31	0.36	1.24
(1,1585)	1:111:A:LEU:HD21	1:112:A:THR:H	5	1.05	0.1	1.1
(1,1585)	1:111:A:LEU:HD22	1:112:A:THR:H	5	1.05	0.1	1.1
(1,1585)	1:111:A:LEU:HD23	1:112:A:THR:H	5	1.05	0.1	1.1
(1,1975)	1:124:A:LEU:HD21	1:129:A:ASN:HB2	5	0.97	0.37	1.07
(1,1975)	1:124:A:LEU:HD22	1:129:A:ASN:HB2	5	0.97	0.37	1.07
(1,1975)	1:124:A:LEU:HD23	1:129:A:ASN:HB2	5	0.97	0.37	1.07
(1,3512)	1:111:A:LEU:HD21	1:120:A:SER:HB3	5	0.97	0.14	0.99
(1,3512)	1:111:A:LEU:HD22	1:120:A:SER:HB3	5	0.97	0.14	0.99
(1,3512)	1:111:A:LEU:HD23	1:120:A:SER:HB3	5	0.97	0.14	0.99
(1,3072)	1:55:A:ASN:HB2	1:130:A:THR:HB	5	0.96	0.21	0.96
(1,1323)	1:111:A:LEU:HD21	1:118:A:PHE:HA	5	0.9	0.29	0.93
(1,1323)	1:111:A:LEU:HD22	1:118:A:PHE:HA	5	0.9	0.29	0.93
(1,1323)	1:111:A:LEU:HD23	1:118:A:PHE:HA	5	0.9	0.29	0.93
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE1	5	0.83	0.26	0.91
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE2	5	0.83	0.26	0.91
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE1	5	0.83	0.26	0.91
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE2	5	0.83	0.26	0.91
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE1	5	0.83	0.26	0.91
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE2	5	0.83	0.26	0.91
(1,1588)	1:111:A:LEU:HD21	1:119:A:SER:HA	5	0.76	0.21	0.71
(1,1588)	1:111:A:LEU:HD22	1:119:A:SER:HA	5	0.76	0.21	0.71
(1,1588)	1:111:A:LEU:HD23	1:119:A:SER:HA	5	0.76	0.21	0.71
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG2	5	0.73	0.4	0.67
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG3	5	0.73	0.4	0.67
(1,1826)	1:89:A:GLN:HA	1:90:A:SER:HB2	5	0.72	0.36	0.95
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD11	5	0.67	0.32	0.7
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD12	5	0.67	0.32	0.7
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD13	5	0.67	0.32	0.7
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG11	5	0.65	0.23	0.67
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG12	5	0.65	0.23	0.67
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG13	5	0.65	0.23	0.67
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG11	5	0.65	0.23	0.67
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG12	5	0.65	0.23	0.67
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG13	5	0.65	0.23	0.67
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG11	5	0.65	0.23	0.67
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG12	5	0.65	0.23	0.67
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG13	5	0.65	0.23	0.67
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD11	5	0.59	0.21	0.61
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD12	5	0.59	0.21	0.61
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD13	5	0.59	0.21	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD11	5	0.59	0.21	0.61
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD12	5	0.59	0.21	0.61
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD13	5	0.59	0.21	0.61
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD11	5	0.59	0.21	0.61
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD12	5	0.59	0.21	0.61
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD13	5	0.59	0.21	0.61
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD11	5	0.57	0.2	0.47
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD12	5	0.57	0.2	0.47
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD13	5	0.57	0.2	0.47
(1,2576)	1:59:A:ASN:HA	1:129:A:ASN:HD21	5	0.56	0.24	0.53
(1,841)	1:84:A:ASN:H	1:84:A:ASN:HD22	5	0.53	0.09	0.55
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD21	5	0.53	0.12	0.53
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD22	5	0.53	0.12	0.53
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD23	5	0.53	0.12	0.53
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD11	5	0.49	0.08	0.43
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD12	5	0.49	0.08	0.43
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD13	5	0.49	0.08	0.43
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD11	5	0.49	0.08	0.43
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD12	5	0.49	0.08	0.43
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD13	5	0.49	0.08	0.43
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD11	5	0.49	0.08	0.43
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD12	5	0.49	0.08	0.43
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD13	5	0.49	0.08	0.43
(1,1583)	1:111:A:LEU:HD21	1:119:A:SER:H	5	0.48	0.11	0.55
(1,1583)	1:111:A:LEU:HD22	1:119:A:SER:H	5	0.48	0.11	0.55
(1,1583)	1:111:A:LEU:HD23	1:119:A:SER:H	5	0.48	0.11	0.55
(1,56)	1:55:A:ASN:HB2	1:131:A:ILE:H	5	0.35	0.1	0.41
(1,1697)	1:71:A:VAL:HG11	1:72:A:ALA:HA	5	0.35	0.16	0.42
(1,1697)	1:71:A:VAL:HG12	1:72:A:ALA:HA	5	0.35	0.16	0.42
(1,1697)	1:71:A:VAL:HG13	1:72:A:ALA:HA	5	0.35	0.16	0.42
(1,1316)	1:27:A:SER:HA	1:30:A:GLN:HG3	5	0.28	0.13	0.24
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG11	5	0.27	0.1	0.3
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG12	5	0.27	0.1	0.3
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG13	5	0.27	0.1	0.3
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD1	5	0.26	0.08	0.24
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD2	5	0.26	0.08	0.24
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD1	5	0.26	0.08	0.24
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD2	5	0.26	0.08	0.24
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD1	5	0.26	0.08	0.24
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD2	5	0.26	0.08	0.24
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD1	5	0.21	0.1	0.2
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD2	5	0.21	0.1	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD1	5	0.21	0.1	0.2
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD2	5	0.21	0.1	0.2
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD1	5	0.21	0.1	0.2
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD2	5	0.21	0.1	0.2
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG11	5	0.18	0.07	0.14
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG12	5	0.18	0.07	0.14
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG13	5	0.18	0.07	0.14
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG21	5	0.13	0.0	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG22	5	0.13	0.0	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG23	5	0.13	0.0	0.13
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE1	5	0.11	0.01	0.12
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE2	5	0.11	0.01	0.12
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE1	5	0.11	0.01	0.12
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE2	5	0.11	0.01	0.12
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE1	5	0.11	0.01	0.12
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE2	5	0.11	0.01	0.12
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD2	5	0.11	0.01	0.11
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD3	5	0.11	0.01	0.11
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD2	5	0.11	0.01	0.11
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD3	5	0.11	0.01	0.11
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD2	5	0.11	0.01	0.11
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD3	5	0.11	0.01	0.11
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD2	5	0.11	0.01	0.11
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD3	5	0.11	0.01	0.11
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD2	5	0.11	0.01	0.11
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD3	5	0.11	0.01	0.11
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD2	5	0.11	0.01	0.11
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD3	5	0.11	0.01	0.11
(1,2624)	1:70:A:ALA:HB1	1:72:A:ALA:HA	5	0.11	0.0	0.11
(1,2624)	1:70:A:ALA:HB2	1:72:A:ALA:HA	5	0.11	0.0	0.11
(1,2624)	1:70:A:ALA:HB3	1:72:A:ALA:HA	5	0.11	0.0	0.11
(1,1411)	1:99:A:VAL:HG11	1:137:A:TYR:HA	5	0.1	0.0	0.1
(1,1411)	1:99:A:VAL:HG12	1:137:A:TYR:HA	5	0.1	0.0	0.1
(1,1411)	1:99:A:VAL:HG13	1:137:A:TYR:HA	5	0.1	0.0	0.1
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD21	4	1.26	0.43	1.18
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD22	4	1.26	0.43	1.18
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD23	4	1.26	0.43	1.18
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD21	4	1.26	0.43	1.18
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD22	4	1.26	0.43	1.18
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD23	4	1.26	0.43	1.18
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD21	4	1.26	0.43	1.18
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD22	4	1.26	0.43	1.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD23	4	1.26	0.43	1.18
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD21	4	0.94	0.47	0.92
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD22	4	0.94	0.47	0.92
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD23	4	0.94	0.47	0.92
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD11	4	0.82	0.36	0.73
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD12	4	0.82	0.36	0.73
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD13	4	0.82	0.36	0.73
(1,957)	1:155:A:LYS:HE2	1:171:A:ASN:HD21	4	0.78	0.44	0.78
(1,3056)	1:69:A:ALA:H	1:121:A:GLU:HG2	4	0.78	0.22	0.76
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD11	4	0.76	0.41	0.8
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD12	4	0.76	0.41	0.8
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD13	4	0.76	0.41	0.8
(1,3775)	1:106:A:ARG:HG3	1:120:A:SER:HB2	4	0.69	0.38	0.68
(1,2899)	1:68:A:LYS:HE2	1:121:A:GLU:HG2	4	0.62	0.3	0.67
(1,2899)	1:68:A:LYS:HE3	1:121:A:GLU:HG2	4	0.62	0.3	0.67
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG21	4	0.51	0.02	0.5
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG22	4	0.51	0.02	0.5
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG23	4	0.51	0.02	0.5
(1,2851)	1:55:A:ASN:HB2	1:130:A:THR:HA	4	0.48	0.35	0.46
(1,2860)	1:105:A:ASP:HB3	1:119:A:SER:HB3	4	0.47	0.22	0.51
(1,2804)	1:102:A:GLN:HG2	1:138:A:PHE:HB3	4	0.44	0.16	0.48
(1,1595)	1:111:A:LEU:HD21	1:120:A:SER:H	4	0.44	0.18	0.44
(1,1595)	1:111:A:LEU:HD22	1:120:A:SER:H	4	0.44	0.18	0.44
(1,1595)	1:111:A:LEU:HD23	1:120:A:SER:H	4	0.44	0.18	0.44
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD11	4	0.42	0.16	0.44
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD12	4	0.42	0.16	0.44
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD13	4	0.42	0.16	0.44
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD11	4	0.42	0.16	0.44
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD12	4	0.42	0.16	0.44
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD13	4	0.42	0.16	0.44
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD11	4	0.42	0.16	0.44
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD12	4	0.42	0.16	0.44
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD13	4	0.42	0.16	0.44
(1,62)	1:24:A:ASP:H	1:27:A:SER:HB3	4	0.38	0.31	0.26
(1,229)	1:165:A:GLY:HA2	1:166:A:ALA:H	4	0.38	0.05	0.38
(1,985)	1:61:A:CYS:HB3	1:127:A:GLY:H	4	0.36	0.06	0.36
(1,2572)	1:125:A:ASN:HA	1:129:A:ASN:HD22	4	0.36	0.19	0.37
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD21	4	0.34	0.18	0.33
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD22	4	0.34	0.18	0.33
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD23	4	0.34	0.18	0.33
(1,1971)	1:124:A:LEU:HD21	1:125:A:ASN:H	4	0.33	0.13	0.37
(1,1971)	1:124:A:LEU:HD22	1:125:A:ASN:H	4	0.33	0.13	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1971)	1:124:A:LEU:HD23	1:125:A:ASN:H	4	0.33	0.13	0.37
(1,3398)	1:28:A:VAL:HA	1:173:A:GLY:HA2	4	0.33	0.15	0.34
(1,2865)	1:149:A:ASN:HD22	1:178:A:LYS:HE3	4	0.28	0.12	0.28
(1,2865)	1:149:A:ASN:HD21	1:178:A:LYS:HE3	4	0.28	0.12	0.28
(1,737)	1:106:A:ARG:H	1:106:A:ARG:HB2	4	0.28	0.03	0.28
(1,2924)	1:59:A:ASN:HB2	1:128:A:THR:HA	4	0.26	0.11	0.24
(1,494)	1:14:A:GLY:HA2	1:15:A:GLU:H	4	0.24	0.09	0.23
(1,686)	1:115:A:GLY:HA3	1:117:A:THR:H	4	0.24	0.1	0.24
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG21	4	0.24	0.15	0.17
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG22	4	0.24	0.15	0.17
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG23	4	0.24	0.15	0.17
(1,2884)	1:72:A:ALA:HB1	1:155:A:LYS:HE3	4	0.24	0.07	0.28
(1,2884)	1:72:A:ALA:HB2	1:155:A:LYS:HE3	4	0.24	0.07	0.28
(1,2884)	1:72:A:ALA:HB3	1:155:A:LYS:HE3	4	0.24	0.07	0.28
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG11	4	0.18	0.06	0.15
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG12	4	0.18	0.06	0.15
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG13	4	0.18	0.06	0.15
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD21	4	0.17	0.04	0.16
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD22	4	0.17	0.04	0.16
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD23	4	0.17	0.04	0.16
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD21	4	0.17	0.04	0.16
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD22	4	0.17	0.04	0.16
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD23	4	0.17	0.04	0.16
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD21	4	0.17	0.04	0.16
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD22	4	0.17	0.04	0.16
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD23	4	0.17	0.04	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG11	4	0.15	0.02	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG12	4	0.15	0.02	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG13	4	0.15	0.02	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG21	4	0.15	0.02	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG22	4	0.15	0.02	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG23	4	0.15	0.02	0.16
(1,1526)	1:74:A:LEU:HD21	1:114:A:ASP:H	4	0.14	0.04	0.13
(1,1526)	1:74:A:LEU:HD22	1:114:A:ASP:H	4	0.14	0.04	0.13
(1,1526)	1:74:A:LEU:HD23	1:114:A:ASP:H	4	0.14	0.04	0.13
(1,3516)	1:107:A:THR:HG21	1:120:A:SER:HB3	4	0.14	0.04	0.12
(1,3516)	1:107:A:THR:HG22	1:120:A:SER:HB3	4	0.14	0.04	0.12
(1,3516)	1:107:A:THR:HG23	1:120:A:SER:HB3	4	0.14	0.04	0.12
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB1	4	0.11	0.0	0.11
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB2	4	0.11	0.0	0.11
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB3	4	0.11	0.0	0.11
(1,2023)	1:68:A:LYS:HA	1:124:A:LEU:HG	4	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB1	4	0.11	0.0	0.11
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB2	4	0.11	0.0	0.11
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB3	4	0.11	0.0	0.11
(1,1469)	1:70:A:ALA:HB1	1:118:A:PHE:H	4	0.11	0.0	0.11
(1,1469)	1:70:A:ALA:HB2	1:118:A:PHE:H	4	0.11	0.0	0.11
(1,1469)	1:70:A:ALA:HB3	1:118:A:PHE:H	4	0.11	0.0	0.11
(1,1610)	1:32:A:VAL:HG11	1:54:A:PHE:HA	4	0.11	0.0	0.11
(1,1610)	1:32:A:VAL:HG12	1:54:A:PHE:HA	4	0.11	0.0	0.11
(1,1610)	1:32:A:VAL:HG13	1:54:A:PHE:HA	4	0.11	0.0	0.11
(1,2485)	1:103:A:ILE:HG21	1:135:A:ALA:H	4	0.11	0.01	0.1
(1,2485)	1:103:A:ILE:HG22	1:135:A:ALA:H	4	0.11	0.01	0.1
(1,2485)	1:103:A:ILE:HG23	1:135:A:ALA:H	4	0.11	0.01	0.1
(1,1818)	1:148:A:ALA:HA	1:180:A:GLU:HA	4	0.1	0.0	0.1
(1,3497)	1:106:A:ARG:HB2	1:132:A:PRO:HD2	3	0.84	0.41	0.57
(1,3518)	1:120:A:SER:HB2	1:133:A:PHE:HE1	3	0.8	0.41	0.61
(1,3518)	1:120:A:SER:HB2	1:133:A:PHE:HE2	3	0.8	0.41	0.61
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG21	3	0.77	0.39	0.92
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG22	3	0.77	0.39	0.92
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG23	3	0.77	0.39	0.92
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG21	3	0.77	0.39	0.92
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG22	3	0.77	0.39	0.92
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG23	3	0.77	0.39	0.92
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG21	3	0.77	0.39	0.92
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG22	3	0.77	0.39	0.92
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG23	3	0.77	0.39	0.92
(1,3483)	1:68:A:LYS:HD3	1:121:A:GLU:HG2	3	0.75	0.25	0.72
(1,387)	1:10:A:VAL:HG11	1:12:A:PHE:H	3	0.72	0.3	0.56
(1,387)	1:10:A:VAL:HG12	1:12:A:PHE:H	3	0.72	0.3	0.56
(1,387)	1:10:A:VAL:HG13	1:12:A:PHE:H	3	0.72	0.3	0.56
(1,502)	1:16:A:VAL:HG11	1:170:A:VAL:H	3	0.69	0.21	0.83
(1,502)	1:16:A:VAL:HG12	1:170:A:VAL:H	3	0.69	0.21	0.83
(1,502)	1:16:A:VAL:HG13	1:170:A:VAL:H	3	0.69	0.21	0.83
(1,1297)	1:120:A:SER:HA	1:121:A:GLU:HG3	3	0.61	0.27	0.76
(1,3323)	1:119:A:SER:HB3	1:120:A:SER:HB2	3	0.61	0.33	0.7
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD21	3	0.6	0.59	0.26
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD22	3	0.6	0.59	0.26
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD23	3	0.6	0.59	0.26
(1,3513)	1:106:A:ARG:HG3	1:120:A:SER:HB3	3	0.58	0.28	0.44
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD21	3	0.56	0.23	0.63
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD22	3	0.56	0.23	0.63
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD23	3	0.56	0.23	0.63
(1,2881)	1:155:A:LYS:HE3	1:171:A:ASN:HD22	3	0.51	0.04	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG11	3	0.5	0.23	0.64
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG12	3	0.5	0.23	0.64
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG13	3	0.5	0.23	0.64
(1,3162)	1:104:A:LEU:HB3	1:134:A:GLN:HB3	3	0.5	0.3	0.35
(1,2858)	1:28:A:VAL:H	1:29:A:ASP:HB3	3	0.47	0.43	0.19
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD21	3	0.4	0.07	0.38
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD22	3	0.4	0.07	0.38
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD23	3	0.4	0.07	0.38
(1,1745)	1:23:A:VAL:HG11	1:172:A:GLY:HA2	3	0.39	0.29	0.28
(1,1745)	1:23:A:VAL:HG12	1:172:A:GLY:HA2	3	0.39	0.29	0.28
(1,1745)	1:23:A:VAL:HG13	1:172:A:GLY:HA2	3	0.39	0.29	0.28
(1,1833)	1:22:A:ALA:HB1	1:59:A:ASN:HD22	3	0.36	0.26	0.22
(1,1833)	1:22:A:ALA:HB2	1:59:A:ASN:HD22	3	0.36	0.26	0.22
(1,1833)	1:22:A:ALA:HB3	1:59:A:ASN:HD22	3	0.36	0.26	0.22
(1,2211)	1:51:A:ALA:HB1	1:136:A:ARG:HD2	3	0.33	0.16	0.29
(1,2211)	1:51:A:ALA:HB2	1:136:A:ARG:HD2	3	0.33	0.16	0.29
(1,2211)	1:51:A:ALA:HB3	1:136:A:ARG:HD2	3	0.33	0.16	0.29
(1,3328)	1:62:A:ASP:HB2	1:65:A:VAL:HB	3	0.33	0.09	0.27
(1,3515)	1:105:A:ASP:HA	1:120:A:SER:HB3	3	0.29	0.15	0.32
(1,2090)	1:16:A:VAL:HG11	1:170:A:VAL:HB	3	0.29	0.07	0.29
(1,2090)	1:16:A:VAL:HG12	1:170:A:VAL:HB	3	0.29	0.07	0.29
(1,2090)	1:16:A:VAL:HG13	1:170:A:VAL:HB	3	0.29	0.07	0.29
(1,2878)	1:115:A:GLY:HA2	1:155:A:LYS:HE3	3	0.27	0.21	0.13
(1,3238)	1:30:A:GLN:HG3	1:176:A:HIS:H	3	0.27	0.06	0.29
(1,2682)	1:162:A:GLY:HA2	1:164:A:GLY:H	3	0.26	0.13	0.28
(1,374)	1:12:A:PHE:H	1:12:A:PHE:HB3	3	0.26	0.05	0.27
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG11	3	0.26	0.07	0.31
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG12	3	0.26	0.07	0.31
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG13	3	0.26	0.07	0.31
(1,3671)	1:30:A:GLN:HG3	1:32:A:VAL:HA	3	0.22	0.1	0.16
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG21	3	0.22	0.14	0.13
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG22	3	0.22	0.14	0.13
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG23	3	0.22	0.14	0.13
(1,3058)	1:121:A:GLU:HG2	1:122:A:THR:H	3	0.21	0.02	0.22
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD11	3	0.18	0.02	0.18
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD12	3	0.18	0.02	0.18
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD13	3	0.18	0.02	0.18
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD11	3	0.18	0.02	0.18
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD12	3	0.18	0.02	0.18
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD13	3	0.18	0.02	0.18
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD11	3	0.18	0.02	0.18
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD12	3	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD13	3	0.18	0.02	0.18
(1,2704)	1:66:A:ALA:HB1	1:160:A:GLY:HA2	3	0.13	0.02	0.14
(1,2704)	1:66:A:ALA:HB2	1:160:A:GLY:HA2	3	0.13	0.02	0.14
(1,2704)	1:66:A:ALA:HB3	1:160:A:GLY:HA2	3	0.13	0.02	0.14
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB1	3	0.12	0.01	0.12
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB2	3	0.12	0.01	0.12
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB3	3	0.12	0.01	0.12
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB1	3	0.12	0.01	0.12
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB2	3	0.12	0.01	0.12
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB3	3	0.12	0.01	0.12
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB1	3	0.12	0.01	0.12
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB2	3	0.12	0.01	0.12
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB3	3	0.12	0.01	0.12
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG11	3	0.12	0.01	0.12
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG12	3	0.12	0.01	0.12
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG13	3	0.12	0.01	0.12
(1,2178)	1:32:A:VAL:HG11	1:52:A:VAL:HB	3	0.12	0.01	0.12
(1,2178)	1:32:A:VAL:HG12	1:52:A:VAL:HB	3	0.12	0.01	0.12
(1,2178)	1:32:A:VAL:HG13	1:52:A:VAL:HB	3	0.12	0.01	0.12
(1,1836)	1:28:A:VAL:HG21	1:29:A:ASP:H	3	0.12	0.0	0.12
(1,1836)	1:28:A:VAL:HG22	1:29:A:ASP:H	3	0.12	0.0	0.12
(1,1836)	1:28:A:VAL:HG23	1:29:A:ASP:H	3	0.12	0.0	0.12
(1,3836)	1:56:A:ILE:HD11	1:154:A:PHE:HD1	3	0.11	0.01	0.12
(1,3836)	1:56:A:ILE:HD11	1:154:A:PHE:HD2	3	0.11	0.01	0.12
(1,3836)	1:56:A:ILE:HD12	1:154:A:PHE:HD1	3	0.11	0.01	0.12
(1,3836)	1:56:A:ILE:HD12	1:154:A:PHE:HD2	3	0.11	0.01	0.12
(1,3836)	1:56:A:ILE:HD13	1:154:A:PHE:HD1	3	0.11	0.01	0.12
(1,3836)	1:56:A:ILE:HD13	1:154:A:PHE:HD2	3	0.11	0.01	0.12
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG21	3	0.11	0.0	0.11
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG22	3	0.11	0.0	0.11
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG23	3	0.11	0.0	0.11
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG21	3	0.11	0.0	0.11
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG22	3	0.11	0.0	0.11
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG23	3	0.11	0.0	0.11
(1,3847)	1:73:A:PHE:HD1	1:154:A:PHE:HB2	3	0.11	0.01	0.1
(1,3847)	1:73:A:PHE:HD1	1:154:A:PHE:HB3	3	0.11	0.01	0.1
(1,3847)	1:73:A:PHE:HD2	1:154:A:PHE:HB2	3	0.11	0.01	0.1
(1,3847)	1:73:A:PHE:HD2	1:154:A:PHE:HB3	3	0.11	0.01	0.1
(1,3885)	1:32:A:VAL:H	1:177:A:PHE:HD1	3	0.11	0.0	0.11
(1,3885)	1:32:A:VAL:H	1:177:A:PHE:HD2	3	0.11	0.0	0.11
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG21	3	0.1	0.0	0.1
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG22	3	0.1	0.0	0.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG23	3	0.1	0.0	0.1
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG21	3	0.1	0.0	0.1
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG22	3	0.1	0.0	0.1
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG23	3	0.1	0.0	0.1
(1,3883)	1:32:A:VAL:HG11	1:177:A:PHE:HD1	3	0.1	0.0	0.1
(1,3883)	1:32:A:VAL:HG11	1:177:A:PHE:HD2	3	0.1	0.0	0.1
(1,3883)	1:32:A:VAL:HG12	1:177:A:PHE:HD1	3	0.1	0.0	0.1
(1,3883)	1:32:A:VAL:HG12	1:177:A:PHE:HD2	3	0.1	0.0	0.1
(1,3883)	1:32:A:VAL:HG13	1:177:A:PHE:HD1	3	0.1	0.0	0.1
(1,3883)	1:32:A:VAL:HG13	1:177:A:PHE:HD2	3	0.1	0.0	0.1
(1,1827)	1:25:A:ALA:HA	1:29:A:ASP:HB3	2	1.53	0.29	1.53
(1,607)	1:124:A:LEU:HD11	1:159:A:GLN:H	2	0.88	0.34	0.88
(1,607)	1:124:A:LEU:HD12	1:159:A:GLN:H	2	0.88	0.34	0.88
(1,607)	1:124:A:LEU:HD13	1:159:A:GLN:H	2	0.88	0.34	0.88
(1,2514)	1:18:A:ASN:HB3	1:19:A:ALA:HA	2	0.84	0.09	0.84
(1,2968)	1:17:A:VAL:HA	1:18:A:ASN:HB2	2	0.84	0.02	0.84
(1,3785)	1:74:A:LEU:HD11	1:75:A:GLY:HA3	2	0.76	0.08	0.76
(1,3785)	1:74:A:LEU:HD12	1:75:A:GLY:HA3	2	0.76	0.08	0.76
(1,3785)	1:74:A:LEU:HD13	1:75:A:GLY:HA3	2	0.76	0.08	0.76
(1,1820)	1:10:A:VAL:HG11	1:11:A:HIS:HA	2	0.69	0.1	0.69
(1,1820)	1:10:A:VAL:HG12	1:11:A:HIS:HA	2	0.69	0.1	0.69
(1,1820)	1:10:A:VAL:HG13	1:11:A:HIS:HA	2	0.69	0.1	0.69
(1,149)	1:123:A:THR:H	1:124:A:LEU:HD21	2	0.65	0.04	0.65
(1,149)	1:123:A:THR:H	1:124:A:LEU:HD22	2	0.65	0.04	0.65
(1,149)	1:123:A:THR:H	1:124:A:LEU:HD23	2	0.65	0.04	0.65
(1,1938)	1:124:A:LEU:HD21	1:129:A:ASN:HD22	2	0.64	0.01	0.64
(1,1938)	1:124:A:LEU:HD22	1:129:A:ASN:HD22	2	0.64	0.01	0.64
(1,1938)	1:124:A:LEU:HD23	1:129:A:ASN:HD22	2	0.64	0.01	0.64
(1,2168)	1:18:A:ASN:HB3	1:19:A:ALA:HB1	2	0.62	0.01	0.62
(1,2168)	1:18:A:ASN:HB3	1:19:A:ALA:HB2	2	0.62	0.01	0.62
(1,2168)	1:18:A:ASN:HB3	1:19:A:ALA:HB3	2	0.62	0.01	0.62
(1,445)	1:68:A:LYS:H	1:124:A:LEU:HD11	2	0.6	0.46	0.6
(1,445)	1:68:A:LYS:H	1:124:A:LEU:HD12	2	0.6	0.46	0.6
(1,445)	1:68:A:LYS:H	1:124:A:LEU:HD13	2	0.6	0.46	0.6
(1,295)	1:18:A:ASN:H	1:18:A:ASN:HB2	2	0.42	0.01	0.42
(1,3800)	1:74:A:LEU:HD11	1:114:A:ASP:HB3	2	0.42	0.32	0.42
(1,3800)	1:74:A:LEU:HD12	1:114:A:ASP:HB3	2	0.42	0.32	0.42
(1,3800)	1:74:A:LEU:HD13	1:114:A:ASP:HB3	2	0.42	0.32	0.42
(1,3445)	1:90:A:SER:H	1:90:A:SER:HB2	2	0.42	0.1	0.42
(1,3052)	1:70:A:ALA:HA	1:121:A:GLU:HG3	2	0.4	0.01	0.4
(1,3390)	1:91:A:SER:HB3	1:94:A:GLY:H	2	0.4	0.0	0.4
(1,3522)	1:120:A:SER:HB3	1:121:A:GLU:H	2	0.4	0.02	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3776)	1:106:A:ARG:HG2	1:107:A:THR:HG21	2	0.38	0.04	0.38
(1,3776)	1:106:A:ARG:HG2	1:107:A:THR:HG22	2	0.38	0.04	0.38
(1,3776)	1:106:A:ARG:HG2	1:107:A:THR:HG23	2	0.38	0.04	0.38
(1,1725)	1:59:A:ASN:HB2	1:128:A:THR:HG21	2	0.35	0.13	0.35
(1,1725)	1:59:A:ASN:HB2	1:128:A:THR:HG22	2	0.35	0.13	0.35
(1,1725)	1:59:A:ASN:HB2	1:128:A:THR:HG23	2	0.35	0.13	0.35
(1,3745)	1:30:A:GLN:HG3	1:175:A:VAL:HA	2	0.32	0.01	0.32
(1,454)	1:170:A:VAL:HG21	1:171:A:ASN:H	2	0.3	0.01	0.3
(1,454)	1:170:A:VAL:HG22	1:171:A:ASN:H	2	0.3	0.01	0.3
(1,454)	1:170:A:VAL:HG23	1:171:A:ASN:H	2	0.3	0.01	0.3
(1,3524)	1:111:A:LEU:HD21	1:120:A:SER:HB2	2	0.28	0.12	0.28
(1,3524)	1:111:A:LEU:HD22	1:120:A:SER:HB2	2	0.28	0.12	0.28
(1,3524)	1:111:A:LEU:HD23	1:120:A:SER:HB2	2	0.28	0.12	0.28
(1,2886)	1:155:A:LYS:HE2	1:171:A:ASN:HA	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD11	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD12	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD13	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD21	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD22	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD23	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD11	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD12	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD13	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD21	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD22	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD23	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD11	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD12	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD13	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD21	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD22	2	0.22	0.02	0.22
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD23	2	0.22	0.02	0.22
(1,2912)	1:62:A:ASP:HB2	1:65:A:VAL:H	2	0.2	0.03	0.2
(1,915)	1:125:A:ASN:HB2	1:125:A:ASN:HD21	2	0.18	0.0	0.18
(1,528)	1:126:A:ASN:H	1:126:A:ASN:HB2	2	0.18	0.06	0.18
(1,1619)	1:84:A:ASN:HB2	1:112:A:THR:HG21	2	0.17	0.06	0.17
(1,1619)	1:84:A:ASN:HB2	1:112:A:THR:HG22	2	0.17	0.06	0.17
(1,1619)	1:84:A:ASN:HB2	1:112:A:THR:HG23	2	0.17	0.06	0.17
(1,3261)	1:82:A:HIS:HB2	1:85:A:VAL:HB	2	0.17	0.02	0.17
(1,75)	1:72:A:ALA:H	1:155:A:LYS:HB3	2	0.15	0.01	0.15
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD11	2	0.15	0.01	0.15
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD12	2	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD13	2	0.15	0.01	0.15
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD21	2	0.15	0.01	0.15
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD22	2	0.15	0.01	0.15
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD23	2	0.15	0.01	0.15
(1,326)	1:122:A:THR:H	1:124:A:LEU:HD21	2	0.14	0.01	0.14
(1,326)	1:122:A:THR:H	1:124:A:LEU:HD22	2	0.14	0.01	0.14
(1,326)	1:122:A:THR:H	1:124:A:LEU:HD23	2	0.14	0.01	0.14
(1,3415)	1:15:A:GLU:H	1:15:A:GLU:HB2	2	0.14	0.01	0.14
(1,3997)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	2	0.14	0.02	0.14
(1,3997)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	2	0.14	0.02	0.14
(1,3997)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	2	0.14	0.02	0.14
(1,3997)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	2	0.14	0.02	0.14
(1,3997)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	2	0.14	0.02	0.14
(1,3997)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	2	0.14	0.02	0.14
(1,3997)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	2	0.14	0.02	0.14
(1,3997)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	2	0.14	0.02	0.14
(1,3997)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	2	0.14	0.02	0.14
(1,3997)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	2	0.14	0.02	0.14
(1,3997)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	2	0.14	0.02	0.14
(1,3997)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	2	0.14	0.02	0.14
(1,1901)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	2	0.13	0.01	0.13
(1,1901)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	2	0.13	0.01	0.13
(1,1901)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	2	0.13	0.01	0.13
(1,1901)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	2	0.13	0.01	0.13
(1,1901)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	2	0.13	0.01	0.13
(1,1901)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	2	0.13	0.01	0.13
(1,1901)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	2	0.13	0.01	0.13
(1,1901)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	2	0.13	0.01	0.13
(1,1901)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	2	0.13	0.01	0.13
(1,2843)	1:55:A:ASN:H	1:55:A:ASN:HB3	2	0.13	0.02	0.13
(1,3605)	1:103:A:ILE:HG21	1:104:A:LEU:HG	2	0.13	0.0	0.13
(1,3605)	1:103:A:ILE:HG22	1:104:A:LEU:HG	2	0.13	0.0	0.13
(1,3605)	1:103:A:ILE:HG23	1:104:A:LEU:HG	2	0.13	0.0	0.13
(1,2492)	1:103:A:ILE:HG21	1:133:A:PHE:HB2	2	0.12	0.01	0.12
(1,2492)	1:103:A:ILE:HG22	1:133:A:PHE:HB2	2	0.12	0.01	0.12
(1,2492)	1:103:A:ILE:HG23	1:133:A:PHE:HB2	2	0.12	0.01	0.12
(1,2683)	1:162:A:GLY:HA2	1:163:A:GLY:H	2	0.12	0.02	0.12
(1,2206)	1:42:A:LEU:HA	1:43:A:ALA:HB1	2	0.12	0.0	0.12
(1,2206)	1:42:A:LEU:HA	1:43:A:ALA:HB2	2	0.12	0.0	0.12
(1,2206)	1:42:A:LEU:HA	1:43:A:ALA:HB3	2	0.12	0.0	0.12
(1,2207)	1:51:A:ALA:HB1	1:52:A:VAL:H	2	0.12	0.0	0.12
(1,2207)	1:51:A:ALA:HB2	1:52:A:VAL:H	2	0.12	0.0	0.12

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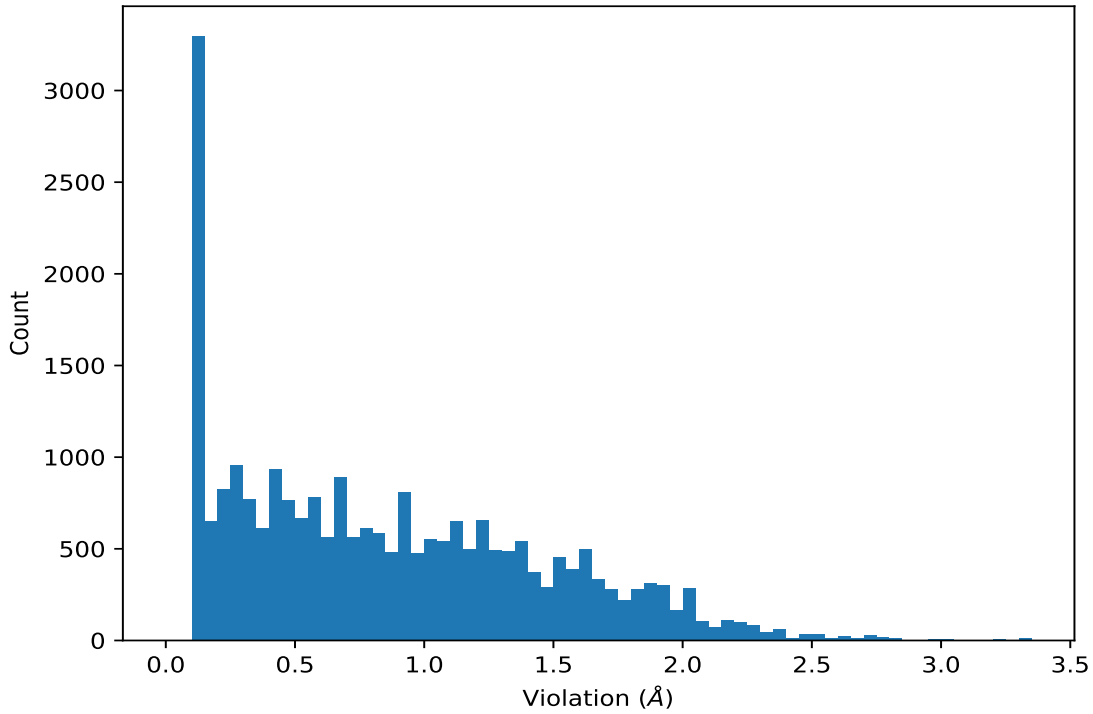
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2207)	1:51:A:ALA:HB3	1:52:A:VAL:H	2	0.12	0.0	0.12
(1,1452)	1:70:A:ALA:HB1	1:122:A:THR:H	2	0.12	0.0	0.12
(1,1452)	1:70:A:ALA:HB2	1:122:A:THR:H	2	0.12	0.0	0.12
(1,1452)	1:70:A:ALA:HB3	1:122:A:THR:H	2	0.12	0.0	0.12
(1,2655)	1:130:A:THR:HA	1:131:A:ILE:HD11	2	0.12	0.0	0.12
(1,2655)	1:130:A:THR:HA	1:131:A:ILE:HD12	2	0.12	0.0	0.12
(1,2655)	1:130:A:THR:HA	1:131:A:ILE:HD13	2	0.12	0.0	0.12
(1,2889)	1:72:A:ALA:HB1	1:155:A:LYS:HE2	2	0.12	0.0	0.12
(1,2889)	1:72:A:ALA:HB2	1:155:A:LYS:HE2	2	0.12	0.0	0.12
(1,2889)	1:72:A:ALA:HB3	1:155:A:LYS:HE2	2	0.12	0.0	0.12
(1,462)	1:116:A:ALA:H	1:169:A:THR:HG21	2	0.11	0.0	0.11
(1,462)	1:116:A:ALA:H	1:169:A:THR:HG22	2	0.11	0.0	0.11
(1,462)	1:116:A:ALA:H	1:169:A:THR:HG23	2	0.11	0.0	0.11
(1,1819)	1:9:A:THR:HG21	1:11:A:HIS:HA	2	0.11	0.0	0.11
(1,1819)	1:9:A:THR:HG22	1:11:A:HIS:HA	2	0.11	0.0	0.11
(1,1819)	1:9:A:THR:HG23	1:11:A:HIS:HA	2	0.11	0.0	0.11
(1,3964)	1:174:A:THR:HG21	1:176:A:HIS:HD2	2	0.11	0.0	0.11
(1,3964)	1:174:A:THR:HG22	1:176:A:HIS:HD2	2	0.11	0.0	0.11
(1,3964)	1:174:A:THR:HG23	1:176:A:HIS:HD2	2	0.11	0.0	0.11
(1,1535)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	2	0.11	0.0	0.11
(1,1535)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	2	0.11	0.0	0.11
(1,1535)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	2	0.11	0.0	0.11
(1,1535)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	2	0.11	0.0	0.11
(1,1535)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	2	0.11	0.0	0.11
(1,1535)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	2	0.11	0.0	0.11
(1,2272)	1:166:A:ALA:HB1	1:167:A:ALA:H	2	0.11	0.0	0.11
(1,2272)	1:166:A:ALA:HB2	1:167:A:ALA:H	2	0.11	0.0	0.11
(1,2272)	1:166:A:ALA:HB3	1:167:A:ALA:H	2	0.11	0.0	0.11
(1,2891)	1:68:A:LYS:HE2	1:159:A:GLN:HA	2	0.11	0.0	0.11
(1,2891)	1:68:A:LYS:HE3	1:159:A:GLN:HA	2	0.11	0.0	0.11
(1,3184)	1:52:A:VAL:H	1:52:A:VAL:HB	2	0.11	0.0	0.11
(1,417)	1:43:A:ALA:HB1	1:142:A:ALA:H	2	0.1	0.0	0.1
(1,417)	1:43:A:ALA:HB2	1:142:A:ALA:H	2	0.1	0.0	0.1
(1,417)	1:43:A:ALA:HB3	1:142:A:ALA:H	2	0.1	0.0	0.1
(1,3125)	1:98:A:ASN:HB3	1:99:A:VAL:HG21	2	0.1	0.0	0.1
(1,3125)	1:98:A:ASN:HB3	1:99:A:VAL:HG22	2	0.1	0.0	0.1
(1,3125)	1:98:A:ASN:HB3	1:99:A:VAL:HG23	2	0.1	0.0	0.1
(1,3644)	1:101:A:VAL:HA	1:177:A:PHE:HB3	2	0.1	0.0	0.1
(1,3860)	1:133:A:PHE:HD1	1:134:A:GLN:H	2	0.1	0.0	0.1
(1,3860)	1:133:A:PHE:HD2	1:134:A:GLN:H	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	14	3.33
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	14	3.33
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	14	3.33
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	10	3.31
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	10	3.31
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	10	3.31
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	16	3.31
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	16	3.31
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	16	3.31
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	17	3.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	17	3.31
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	17	3.31
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	1	3.3
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	1	3.3
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	1	3.3
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	9	3.23
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	9	3.23
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	9	3.23
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	19	3.23
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	19	3.23
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	19	3.23
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	11	3.19
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	11	3.19
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	11	3.19
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	15	3.02
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	15	3.02
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	15	3.02
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	7	3.0
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	7	3.0
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	7	3.0
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	18	3.0
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	18	3.0
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	18	3.0
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	4	2.98
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	4	2.98
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	4	2.98
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	3	2.97
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	3	2.97
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	3	2.97
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	13	2.93
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	13	2.93
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	13	2.93
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	17	2.85
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	17	2.85
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	17	2.85
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	8	2.83
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	8	2.83
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	8	2.83
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	9	2.83
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	9	2.83
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	9	2.83
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	5	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	5	2.82
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	5	2.82
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	4	2.81
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	4	2.81
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	4	2.81
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	2	2.79
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	2	2.79
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	2	2.79
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	2	2.77
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	2	2.77
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	2	2.77
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	15	2.77
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	15	2.77
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	15	2.77
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	5	2.76
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	5	2.76
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	5	2.76
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	1	2.75
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	1	2.75
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	1	2.75
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	10	2.75
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	10	2.75
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	10	2.75
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	12	2.75
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	12	2.75
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	12	2.75
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	16	2.74
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	16	2.74
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	16	2.74
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	2	2.74
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	2	2.74
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	2	2.74
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	17	2.74
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	17	2.74
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	17	2.74
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	8	2.73
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	8	2.73
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	8	2.73
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	9	2.72
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	9	2.72
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	9	2.72
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	11	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	11	2.72
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	11	2.72
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	15	2.72
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	15	2.72
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	15	2.72
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	11	2.72
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	11	2.72
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	11	2.72
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	16	2.71
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	16	2.71
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	16	2.71
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	10	2.7
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	10	2.7
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	10	2.7
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	6	2.69
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	6	2.69
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	6	2.69
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	19	2.69
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	19	2.69
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	19	2.69
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	7	2.68
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	7	2.68
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	7	2.68
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	20	2.68
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	20	2.68
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	20	2.68
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	13	2.67
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	13	2.67
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	13	2.67
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	14	2.65
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	14	2.65
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	14	2.65
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	18	2.65
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	18	2.65
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	18	2.65
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	3	2.64
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	3	2.64
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	3	2.64
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	15	2.63
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	15	2.63
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	15	2.63
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	19	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	19	2.63
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	19	2.63
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG11	20	2.63
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG12	20	2.63
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG13	20	2.63
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	13	2.61
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	13	2.61
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	13	2.61
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG11	17	2.61
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG12	17	2.61
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG13	17	2.61
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	6	2.6
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	6	2.6
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	6	2.6
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	14	2.59
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	14	2.59
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	14	2.59
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	3	2.58
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	3	2.58
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	3	2.58
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	13	2.56
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	13	2.56
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	13	2.56
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	5	2.56
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	5	2.56
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	5	2.56
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	5	2.54
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	5	2.54
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	5	2.54
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	20	2.52
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	20	2.52
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	20	2.52
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	4	2.52
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	4	2.52
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	4	2.52
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	4	2.52
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	4	2.52
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	4	2.52
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	4	2.52
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	4	2.52
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	4	2.52
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	5	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	5	2.52
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	5	2.52
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	5	2.52
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	5	2.52
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	5	2.52
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	5	2.52
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	5	2.52
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	5	2.52
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	8	2.51
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	8	2.51
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	8	2.51
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	9	2.51
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	9	2.51
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	9	2.51
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	10	2.5
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	10	2.5
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	10	2.5
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	19	2.49
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	19	2.49
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	19	2.49
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	5	2.49
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	5	2.49
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	5	2.49
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	3	2.49
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	3	2.49
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	3	2.49
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	14	2.49
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	14	2.49
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	14	2.49
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG11	14	2.49
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG12	14	2.49
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG13	14	2.49
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	17	2.47
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	17	2.47
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	17	2.47
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	8	2.47
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	8	2.47
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	8	2.47
(1,966)	1:16:A:VAL:HG21	1:18:A:ASN:HD21	5	2.47
(1,966)	1:16:A:VAL:HG22	1:18:A:ASN:HD21	5	2.47
(1,966)	1:16:A:VAL:HG23	1:18:A:ASN:HD21	5	2.47
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	11	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	11	2.46
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	11	2.46
(1,1710)	1:85:A:VAL:HG21	1:100:A:GLY:HA2	4	2.46
(1,1710)	1:85:A:VAL:HG22	1:100:A:GLY:HA2	4	2.46
(1,1710)	1:85:A:VAL:HG23	1:100:A:GLY:HA2	4	2.46
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	5	2.46
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	5	2.46
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	5	2.46
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	2	2.45
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	2	2.45
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	2	2.45
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	11	2.44
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	11	2.44
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	11	2.44
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG11	17	2.43
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG12	17	2.43
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG13	17	2.43
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	15	2.42
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	15	2.42
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	15	2.42
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	9	2.41
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	9	2.41
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	9	2.41
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	18	2.4
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	18	2.4
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	18	2.4
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	17	2.4
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	17	2.4
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	17	2.4
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	17	2.4
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	17	2.4
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	17	2.4
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	17	2.4
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	17	2.4
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	17	2.4
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG11	1	2.4
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG12	1	2.4
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG13	1	2.4
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	17	2.4
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	17	2.4
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	17	2.4
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	13	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	13	2.39
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	13	2.39
(1,966)	1:16:A:VAL:HG21	1:18:A:ASN:HD21	7	2.39
(1,966)	1:16:A:VAL:HG22	1:18:A:ASN:HD21	7	2.39
(1,966)	1:16:A:VAL:HG23	1:18:A:ASN:HD21	7	2.39
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	12	2.38
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	12	2.38
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	12	2.38
(1,1929)	1:16:A:VAL:HG21	1:18:A:ASN:HA	4	2.38
(1,1929)	1:16:A:VAL:HG22	1:18:A:ASN:HA	4	2.38
(1,1929)	1:16:A:VAL:HG23	1:18:A:ASN:HA	4	2.38
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	7	2.38
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	7	2.38
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	7	2.38
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	13	2.37
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	13	2.37
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	13	2.37
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	13	2.37
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	13	2.37
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	13	2.37
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	13	2.37
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	13	2.37
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	13	2.37
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	6	2.37
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	6	2.37
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	6	2.37
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	8	2.37
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	8	2.37
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	8	2.37
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	13	2.36
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	13	2.36
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	13	2.36
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	16	2.36
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	16	2.36
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	16	2.36
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG11	20	2.36
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG12	20	2.36
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG13	20	2.36
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	20	2.35
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	20	2.35
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	20	2.35
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	6	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	6	2.34
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	6	2.34
(1,2373)	1:124:A:LEU:HD21	1:129:A:ASN:HA	18	2.34
(1,2373)	1:124:A:LEU:HD22	1:129:A:ASN:HA	18	2.34
(1,2373)	1:124:A:LEU:HD23	1:129:A:ASN:HA	18	2.34
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	14	2.33
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	14	2.33
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	14	2.33
(1,1696)	1:71:A:VAL:HG11	1:154:A:PHE:HA	8	2.33
(1,1696)	1:71:A:VAL:HG12	1:154:A:PHE:HA	8	2.33
(1,1696)	1:71:A:VAL:HG13	1:154:A:PHE:HA	8	2.33
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	2	2.33
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	2	2.33
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	2	2.33
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	16	2.32
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	16	2.32
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	16	2.32
(1,2982)	1:16:A:VAL:HG21	1:18:A:ASN:HB2	6	2.32
(1,2982)	1:16:A:VAL:HG22	1:18:A:ASN:HB2	6	2.32
(1,2982)	1:16:A:VAL:HG23	1:18:A:ASN:HB2	6	2.32
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	11	2.32
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	11	2.32
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	11	2.32
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	9	2.32
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	9	2.32
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	9	2.32
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	3	2.32
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	3	2.32
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	3	2.32
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	20	2.31
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	20	2.31
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	20	2.31
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	7	2.31
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	7	2.31
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	7	2.31
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	14	2.31
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	14	2.31
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	14	2.31
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	10	2.31
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	10	2.31
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	10	2.31
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	11	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	11	2.31
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	11	2.31
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	6	2.3
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	6	2.3
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	6	2.3
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	17	2.3
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	17	2.3
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	17	2.3
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	3	2.3
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	3	2.3
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	3	2.3
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	16	2.3
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	16	2.3
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	16	2.3
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	2	2.29
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	2	2.29
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	2	2.29
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	16	2.29
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	16	2.29
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	16	2.29
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	16	2.29
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	16	2.29
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	16	2.29
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	20	2.28
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	20	2.28
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	20	2.28
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	7	2.28
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	7	2.28
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	7	2.28
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	17	2.28
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	17	2.28
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	17	2.28
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG11	1	2.28
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG12	1	2.28
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG13	1	2.28
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	1	2.28
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	1	2.28
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	1	2.28
(1,1696)	1:71:A:VAL:HG11	1:154:A:PHE:HA	2	2.27
(1,1696)	1:71:A:VAL:HG12	1:154:A:PHE:HA	2	2.27
(1,1696)	1:71:A:VAL:HG13	1:154:A:PHE:HA	2	2.27
(1,1696)	1:71:A:VAL:HG11	1:154:A:PHE:HA	9	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1696)	1:71:A:VAL:HG12	1:154:A:PHE:HA	9	2.27
(1,1696)	1:71:A:VAL:HG13	1:154:A:PHE:HA	9	2.27
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	4	2.27
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	4	2.27
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	4	2.27
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	13	2.27
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	13	2.27
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	13	2.27
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD11	20	2.26
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD12	20	2.26
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD13	20	2.26
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD11	20	2.26
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD12	20	2.26
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD13	20	2.26
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	3	2.26
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	3	2.26
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	3	2.26
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	7	2.26
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	7	2.26
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	7	2.26
(1,1696)	1:71:A:VAL:HG11	1:154:A:PHE:HA	17	2.26
(1,1696)	1:71:A:VAL:HG12	1:154:A:PHE:HA	17	2.26
(1,1696)	1:71:A:VAL:HG13	1:154:A:PHE:HA	17	2.26
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	8	2.26
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	8	2.26
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	8	2.26
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	17	2.26
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	17	2.26
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	17	2.26
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	5	2.26
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	5	2.26
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	5	2.26
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	10	2.25
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	10	2.25
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	10	2.25
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	19	2.25
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	19	2.25
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	19	2.25
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	6	2.25
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	6	2.25
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	6	2.25
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	4	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	4	2.25
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	4	2.25
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	15	2.24
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	15	2.24
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	15	2.24
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	15	2.24
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	15	2.24
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	15	2.24
(1,1696)	1:71:A:VAL:HG11	1:154:A:PHE:HA	11	2.24
(1,1696)	1:71:A:VAL:HG12	1:154:A:PHE:HA	11	2.24
(1,1696)	1:71:A:VAL:HG13	1:154:A:PHE:HA	11	2.24
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	12	2.24
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	12	2.24
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	12	2.24
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	14	2.24
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	14	2.24
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	14	2.24
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	20	2.24
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	20	2.24
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	20	2.24
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	6	2.23
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	6	2.23
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	6	2.23
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	13	2.23
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	13	2.23
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	13	2.23
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	13	2.23
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	13	2.23
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	13	2.23
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	13	2.23
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	13	2.23
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	13	2.23
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	10	2.23
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	10	2.23
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	10	2.23
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	2	2.23
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	2	2.23
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	2	2.23
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	12	2.23
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	12	2.23
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	12	2.23
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	20	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	20	2.22
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	20	2.22
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	8	2.22
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	8	2.22
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	8	2.22
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	17	2.22
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	17	2.22
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	17	2.22
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG21	20	2.22
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG22	20	2.22
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG23	20	2.22
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	2	2.22
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	2	2.22
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	2	2.22
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	16	2.22
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	16	2.22
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	16	2.22
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	19	2.22
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	19	2.22
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	19	2.22
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	20	2.21
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	20	2.21
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	20	2.21
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	7	2.21
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	7	2.21
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	7	2.21
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	11	2.21
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	11	2.21
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	11	2.21
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	12	2.21
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	12	2.21
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	12	2.21
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	10	2.2
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	10	2.2
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	10	2.2
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	10	2.2
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	10	2.2
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	10	2.2
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	11	2.2
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	11	2.2
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	11	2.2
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	3	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	3	2.2
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	3	2.2
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	3	2.2
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	3	2.2
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	3	2.2
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	3	2.2
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	3	2.2
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	3	2.2
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	16	2.2
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	16	2.2
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	16	2.2
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	6	2.2
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	6	2.2
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	6	2.2
(1,732)	1:124:A:LEU:HD21	1:130:A:THR:H	18	2.2
(1,732)	1:124:A:LEU:HD22	1:130:A:THR:H	18	2.2
(1,732)	1:124:A:LEU:HD23	1:130:A:THR:H	18	2.2
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	13	2.2
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	13	2.2
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	13	2.2
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	3	2.19
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	3	2.19
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	3	2.19
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	3	2.19
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	3	2.19
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	3	2.19
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	6	2.19
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	6	2.19
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	6	2.19
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	6	2.19
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	6	2.19
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	6	2.19
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	20	2.19
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	20	2.19
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	20	2.19
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	20	2.19
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	20	2.19
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	20	2.19
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	19	2.19
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	19	2.19
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	19	2.19
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	19	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	19	2.19
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	19	2.19
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	7	2.19
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	7	2.19
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	7	2.19
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	17	2.19
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	17	2.19
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	17	2.19
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	19	2.19
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	19	2.19
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	19	2.19
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	8	2.18
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	8	2.18
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	8	2.18
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	3	2.18
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	3	2.18
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	3	2.18
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	14	2.18
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	14	2.18
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	14	2.18
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	10	2.18
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	10	2.18
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	10	2.18
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	10	2.18
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	10	2.18
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	10	2.18
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	10	2.18
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	10	2.18
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	10	2.18
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG11	14	2.18
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG12	14	2.18
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG13	14	2.18
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	18	2.18
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	18	2.18
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	18	2.18
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	18	2.17
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	18	2.17
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	18	2.17
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	14	2.17
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	14	2.17
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	14	2.17
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	14	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	14	2.16
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	14	2.16
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	14	2.16
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	14	2.16
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	14	2.16
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	16	2.16
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	16	2.16
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	16	2.16
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	3	2.16
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	3	2.16
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	3	2.16
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	3	2.16
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	3	2.16
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	3	2.16
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	3	2.16
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	3	2.16
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	3	2.16
(1,1696)	1:71:A:VAL:HG11	1:154:A:PHE:HA	4	2.16
(1,1696)	1:71:A:VAL:HG12	1:154:A:PHE:HA	4	2.16
(1,1696)	1:71:A:VAL:HG13	1:154:A:PHE:HA	4	2.16
(1,1696)	1:71:A:VAL:HG11	1:154:A:PHE:HA	15	2.16
(1,1696)	1:71:A:VAL:HG12	1:154:A:PHE:HA	15	2.16
(1,1696)	1:71:A:VAL:HG13	1:154:A:PHE:HA	15	2.16
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	7	2.16
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	7	2.16
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	7	2.16
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	3	2.16
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	3	2.16
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	3	2.16
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	3	2.16
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	3	2.16
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	3	2.16
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	3	2.16
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	3	2.16
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	3	2.16
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	1	2.16
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	1	2.16
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	1	2.16
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	7	2.16
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	7	2.16
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	7	2.16
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	5	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	5	2.15
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	5	2.15
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	1	2.15
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	1	2.15
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	1	2.15
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	6	2.15
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	6	2.15
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	6	2.15
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	19	2.14
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	19	2.14
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	19	2.14
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	5	2.14
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	5	2.14
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	5	2.14
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	8	2.14
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	8	2.14
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	8	2.14
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	2	2.14
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	2	2.14
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	2	2.14
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG11	14	2.14
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG12	14	2.14
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG13	14	2.14
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	18	2.14
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	18	2.14
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	18	2.14
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	12	2.13
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	12	2.13
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	12	2.13
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	12	2.13
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	12	2.13
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	12	2.13
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	18	2.13
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	18	2.13
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	18	2.13
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	18	2.13
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	18	2.13
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	18	2.13
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	19	2.13
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	19	2.13
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	19	2.13
(1,2373)	1:124:A:LEU:HD21	1:129:A:ASN:HA	10	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2373)	1:124:A:LEU:HD22	1:129:A:ASN:HA	10	2.13
(1,2373)	1:124:A:LEU:HD23	1:129:A:ASN:HA	10	2.13
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	10	2.12
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	10	2.12
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	10	2.12
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	10	2.12
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	19	2.12
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	19	2.12
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	19	2.12
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	18	2.12
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	18	2.12
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	18	2.12
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	10	2.12
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	10	2.12
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	10	2.12
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	10	2.12
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	10	2.12
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	10	2.12
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	10	2.12
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	10	2.12
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	10	2.12
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	7	2.12
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	7	2.12
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	7	2.12
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	13	2.12
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	13	2.12
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	13	2.12
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	2	2.11
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	2	2.11
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	2	2.11
(1,1696)	1:71:A:VAL:HG11	1:154:A:PHE:HA	19	2.11
(1,1696)	1:71:A:VAL:HG12	1:154:A:PHE:HA	19	2.11
(1,1696)	1:71:A:VAL:HG13	1:154:A:PHE:HA	19	2.11
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	9	2.1
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	9	2.1
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	9	2.1
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	20	2.1
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	20	2.1
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	20	2.1
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	13	2.09
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	13	2.09
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	13	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	13	2.09
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	13	2.09
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	13	2.09
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	15	2.09
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	15	2.09
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	15	2.09
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	15	2.09
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	15	2.09
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	15	2.09
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	7	2.09
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	7	2.09
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	7	2.09
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	12	2.09
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	12	2.09
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	12	2.09
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	18	2.09
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	18	2.09
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	18	2.09
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	18	2.09
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	18	2.09
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	18	2.09
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	18	2.09
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	18	2.09
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	18	2.09
(1,1929)	1:16:A:VAL:HG21	1:18:A:ASN:HA	10	2.09
(1,1929)	1:16:A:VAL:HG22	1:18:A:ASN:HA	10	2.09
(1,1929)	1:16:A:VAL:HG23	1:18:A:ASN:HA	10	2.09
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	13	2.09
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	13	2.09
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	13	2.09
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	7	2.09
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	7	2.09
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	7	2.09
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	11	2.09
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	11	2.09
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	11	2.09
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	4	2.09
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	4	2.09
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	4	2.09
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	5	2.08
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	5	2.08
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	5	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	5	2.08
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	5	2.08
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	5	2.08
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	18	2.08
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	18	2.08
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	18	2.08
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	18	2.08
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	18	2.08
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	18	2.08
(1,1929)	1:16:A:VAL:HG21	1:18:A:ASN:HA	5	2.08
(1,1929)	1:16:A:VAL:HG22	1:18:A:ASN:HA	5	2.08
(1,1929)	1:16:A:VAL:HG23	1:18:A:ASN:HA	5	2.08
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	12	2.08
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	12	2.08
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	12	2.08
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	14	2.08
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	14	2.08
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	14	2.08
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	12	2.08
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	12	2.08
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	12	2.08
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	11	2.07
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	11	2.07
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	11	2.07
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	1	2.07
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	1	2.07
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	1	2.07
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	14	2.07
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	14	2.07
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	14	2.07
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	11	2.07
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	11	2.07
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	11	2.07
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	13	2.07
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	13	2.07
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	13	2.07
(1,1929)	1:16:A:VAL:HG21	1:18:A:ASN:HA	13	2.07
(1,1929)	1:16:A:VAL:HG22	1:18:A:ASN:HA	13	2.07
(1,1929)	1:16:A:VAL:HG23	1:18:A:ASN:HA	13	2.07
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	2	2.06
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	2	2.06
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	2	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	2	2.06
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	2	2.06
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	2	2.06
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	17	2.06
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	17	2.06
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	17	2.06
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	15	2.06
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	15	2.06
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	15	2.06
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	11	2.06
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	11	2.06
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	11	2.06
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	11	2.06
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	11	2.06
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	11	2.06
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	11	2.06
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	11	2.06
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	11	2.06
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	15	2.06
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	15	2.06
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	15	2.06
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	5	2.05
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	5	2.05
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	5	2.05
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	1	2.05
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	1	2.05
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	1	2.05
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	14	2.05
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	14	2.05
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	14	2.05
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	16	2.05
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	16	2.05
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	16	2.05
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG11	10	2.05
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG12	10	2.05
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG13	10	2.05
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	19	2.05
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	19	2.05
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	19	2.05
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	3	2.05
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	3	2.05
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	3	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	7	2.04
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	7	2.04
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	7	2.04
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	7	2.04
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	7	2.04
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	7	2.04
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	1	2.04
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	1	2.04
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	1	2.04
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	1	2.04
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	1	2.04
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	1	2.04
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	2	2.04
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	2	2.04
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	2	2.04
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	2	2.04
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	2	2.04
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	2	2.04
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	18	2.04
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	18	2.04
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	18	2.04
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	18	2.04
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	18	2.04
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	18	2.04
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	19	2.04
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	19	2.04
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	19	2.04
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	6	2.04
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	6	2.04
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	6	2.04
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	6	2.04
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	6	2.04
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	6	2.04
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	6	2.04
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	6	2.04
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	6	2.04
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	8	2.04
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	8	2.04
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	8	2.04
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	8	2.04
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	8	2.04
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	8	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	8	2.04
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	8	2.04
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	8	2.04
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG11	13	2.04
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG12	13	2.04
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG13	13	2.04
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	1	2.04
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	1	2.04
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	1	2.04
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	4	2.04
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	4	2.04
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	4	2.04
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	10	2.04
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	10	2.04
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	10	2.04
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	7	2.03
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	7	2.03
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	7	2.03
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	7	2.03
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	7	2.03
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	7	2.03
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	11	2.03
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	11	2.03
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	11	2.03
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	11	2.03
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	11	2.03
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	11	2.03
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	16	2.03
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	16	2.03
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	16	2.03
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	16	2.03
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	16	2.03
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	16	2.03
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	13	2.03
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	13	2.03
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	13	2.03
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	13	2.03
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	13	2.03
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	13	2.03
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	16	2.03
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	16	2.03
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	16	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	16	2.03
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	16	2.03
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	16	2.03
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	16	2.03
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	16	2.03
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	16	2.03
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	11	2.03
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	11	2.03
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	11	2.03
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	4	2.02
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	4	2.02
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	4	2.02
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	4	2.02
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	4	2.02
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	4	2.02
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	8	2.02
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	8	2.02
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	8	2.02
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	8	2.02
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	8	2.02
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	8	2.02
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD1	10	2.02
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD2	10	2.02
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD1	10	2.02
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD2	10	2.02
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD1	10	2.02
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD2	10	2.02
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	2	2.02
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	2	2.02
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	2	2.02
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	12	2.02
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	12	2.02
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	12	2.02
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	10	2.02
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	10	2.02
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	10	2.02
(1,1929)	1:16:A:VAL:HG21	1:18:A:ASN:HA	14	2.02
(1,1929)	1:16:A:VAL:HG22	1:18:A:ASN:HA	14	2.02
(1,1929)	1:16:A:VAL:HG23	1:18:A:ASN:HA	14	2.02
(1,1696)	1:71:A:VAL:HG11	1:154:A:PHE:HA	5	2.02
(1,1696)	1:71:A:VAL:HG12	1:154:A:PHE:HA	5	2.02
(1,1696)	1:71:A:VAL:HG13	1:154:A:PHE:HA	5	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1696)	1:71:A:VAL:HG11	1:154:A:PHE:HA	10	2.02
(1,1696)	1:71:A:VAL:HG12	1:154:A:PHE:HA	10	2.02
(1,1696)	1:71:A:VAL:HG13	1:154:A:PHE:HA	10	2.02
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	18	2.02
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	18	2.02
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	18	2.02
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	14	2.02
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	14	2.02
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	14	2.02
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	14	2.02
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	14	2.02
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	14	2.02
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	14	2.02
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	14	2.02
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	14	2.02
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	16	2.02
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	16	2.02
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	16	2.02
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	1	2.01
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	1	2.01
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	1	2.01
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	1	2.01
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	1	2.01
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	1	2.01
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	8	2.01
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	8	2.01
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	8	2.01
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	8	2.01
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	8	2.01
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	8	2.01
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	3	2.01
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	3	2.01
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	3	2.01
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	3	2.01
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	3	2.01
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	3	2.01
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD11	16	2.01
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD12	16	2.01
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD13	16	2.01
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD11	16	2.01
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD12	16	2.01
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD13	16	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	4	2.01
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	4	2.01
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	4	2.01
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	10	2.01
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	10	2.01
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	10	2.01
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	18	2.01
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	18	2.01
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	18	2.01
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	8	2.01
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	8	2.01
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	8	2.01
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	4	2.01
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	4	2.01
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	4	2.01
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	10	2.01
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	10	2.01
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	10	2.01
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	20	2.01
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	20	2.01
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	20	2.01
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	20	2.01
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	20	2.01
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	20	2.01
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	20	2.01
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	20	2.01
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	20	2.01
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	18	2.01
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	18	2.01
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	18	2.01
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	18	2.01
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	18	2.01
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	18	2.01
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	18	2.01
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	18	2.01
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	18	2.01
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	19	2.0
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	19	2.0
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	19	2.0
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	19	2.0
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	19	2.0
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	19	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	9	2.0
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	9	2.0
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	9	2.0
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	9	2.0
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	9	2.0
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	9	2.0
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD11	16	2.0
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD12	16	2.0
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD13	16	2.0
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD11	16	2.0
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD12	16	2.0
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD13	16	2.0
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD11	20	2.0
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD12	20	2.0
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD13	20	2.0
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD11	20	2.0
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD12	20	2.0
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD13	20	2.0
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	5	2.0
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	5	2.0
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	5	2.0
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	13	2.0
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	13	2.0
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	13	2.0
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	14	2.0
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	14	2.0
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	14	2.0
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	3	2.0
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	3	2.0
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	3	2.0
(1,1929)	1:16:A:VAL:HG21	1:18:A:ASN:HA	6	2.0
(1,1929)	1:16:A:VAL:HG22	1:18:A:ASN:HA	6	2.0
(1,1929)	1:16:A:VAL:HG23	1:18:A:ASN:HA	6	2.0
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	8	2.0
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	8	2.0
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	8	2.0
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	8	2.0
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	8	2.0
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	8	2.0
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	8	2.0
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	8	2.0
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	8	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	15	2.0
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	15	2.0
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	15	2.0
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	15	2.0
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	15	2.0
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	15	2.0
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	15	2.0
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	15	2.0
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	15	2.0
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	3	2.0
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	3	2.0
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	3	2.0
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	16	2.0
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	16	2.0
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	16	2.0
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD11	18	1.99
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD12	18	1.99
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD13	18	1.99
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD11	18	1.99
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD12	18	1.99
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD13	18	1.99
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	13	1.99
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	13	1.99
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	13	1.99
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	17	1.99
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	17	1.99
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	17	1.99
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	1	1.99
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	1	1.99
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	1	1.99
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	10	1.99
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	10	1.99
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	10	1.99
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	19	1.99
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	19	1.99
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	19	1.99
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	15	1.99
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	15	1.99
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	15	1.99
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	1	1.99
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	1	1.99
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	1	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	14	1.99
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	14	1.99
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	14	1.99
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	14	1.99
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	14	1.99
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	14	1.99
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	9	1.99
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	9	1.99
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	9	1.99
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	12	1.98
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	12	1.98
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	12	1.98
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	12	1.98
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	12	1.98
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	12	1.98
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD1	15	1.98
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD2	15	1.98
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD1	15	1.98
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD2	15	1.98
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD1	15	1.98
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD2	15	1.98
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	14	1.98
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	14	1.98
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	14	1.98
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	4	1.98
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	4	1.98
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	4	1.98
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	9	1.98
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	9	1.98
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	9	1.98
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	14	1.98
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	14	1.98
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	14	1.98
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	2	1.98
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	2	1.98
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	2	1.98
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	16	1.98
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	16	1.98
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	16	1.98
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	6	1.97
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	6	1.97
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	6	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	2	1.97
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	2	1.97
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	2	1.97
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	11	1.97
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	11	1.97
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	11	1.97
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	11	1.97
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	11	1.97
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	11	1.97
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	11	1.97
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	11	1.97
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	11	1.97
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	1	1.97
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	1	1.97
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	1	1.97
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	1	1.97
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	1	1.97
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	1	1.97
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	1	1.97
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	1	1.97
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	1	1.97
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	18	1.97
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	18	1.97
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	18	1.97
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	18	1.97
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	18	1.97
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	18	1.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	18	1.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	18	1.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	18	1.97
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	19	1.97
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	19	1.97
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	19	1.97
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	4	1.97
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	4	1.97
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	4	1.97
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	17	1.96
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	17	1.96
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	17	1.96
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	17	1.96
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	17	1.96
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	17	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	13	1.96
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	13	1.96
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	13	1.96
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	13	1.96
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	13	1.96
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	13	1.96
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	2	1.96
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	2	1.96
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	2	1.96
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	2	1.96
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	2	1.96
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	2	1.96
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	2	1.96
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	2	1.96
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	2	1.96
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	4	1.96
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	4	1.96
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	4	1.96
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	4	1.96
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	4	1.96
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	4	1.96
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	4	1.96
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	4	1.96
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	4	1.96
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	9	1.96
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	9	1.96
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	9	1.96
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	9	1.96
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	9	1.96
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	9	1.96
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	9	1.96
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	9	1.96
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	9	1.96
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	3	1.96
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	3	1.96
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	3	1.96
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	3	1.96
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	3	1.96
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	3	1.96
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	3	1.96
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	3	1.96
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	3	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	4	1.96
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	4	1.96
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	4	1.96
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	4	1.96
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	4	1.96
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	4	1.96
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	4	1.96
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	4	1.96
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	4	1.96
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	20	1.96
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	20	1.96
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	20	1.96
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	3	1.95
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	3	1.95
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	3	1.95
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	12	1.95
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	12	1.95
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	12	1.95
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	12	1.95
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	12	1.95
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	12	1.95
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	12	1.95
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	12	1.95
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	12	1.95
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	9	1.95
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	9	1.95
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	9	1.95
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	15	1.95
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	15	1.95
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	15	1.95
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	2	1.95
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	2	1.95
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	2	1.95
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	2	1.95
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	2	1.95
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	2	1.95
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	2	1.95
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	2	1.95
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	2	1.95
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	20	1.95
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	20	1.95
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	20	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	20	1.95
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	20	1.95
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	20	1.95
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	20	1.95
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	20	1.95
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	20	1.95
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	8	1.95
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	8	1.95
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	8	1.95
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	20	1.95
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	20	1.95
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	20	1.95
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	11	1.95
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	11	1.95
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	11	1.95
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	3	1.94
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	3	1.94
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	3	1.94
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	3	1.94
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	3	1.94
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	3	1.94
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	1	1.94
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	1	1.94
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	1	1.94
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	16	1.94
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	16	1.94
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	16	1.94
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	17	1.94
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	17	1.94
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	17	1.94
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	17	1.94
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	17	1.94
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	17	1.94
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	17	1.94
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	17	1.94
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	17	1.94
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	17	1.94
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	17	1.94
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	17	1.94
(1,1929)	1:16:A:VAL:HG21	1:18:A:ASN:HA	20	1.94
(1,1929)	1:16:A:VAL:HG22	1:18:A:ASN:HA	20	1.94
(1,1929)	1:16:A:VAL:HG23	1:18:A:ASN:HA	20	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	16	1.94
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	16	1.94
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	16	1.94
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	14	1.94
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	14	1.94
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	14	1.94
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	20	1.94
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	20	1.94
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	20	1.94
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	3	1.94
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	3	1.94
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	3	1.94
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	12	1.93
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	12	1.93
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	12	1.93
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	16	1.93
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	16	1.93
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	16	1.93
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	19	1.93
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	19	1.93
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	19	1.93
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	19	1.93
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	19	1.93
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	19	1.93
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	19	1.93
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	19	1.93
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	19	1.93
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	8	1.93
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	8	1.93
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	8	1.93
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD21	10	1.93
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD22	10	1.93
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD23	10	1.93
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD21	10	1.93
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD22	10	1.93
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD23	10	1.93
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD21	10	1.93
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD22	10	1.93
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD23	10	1.93
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	15	1.93
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	15	1.93
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	15	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	19	1.93
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	19	1.93
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	19	1.93
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	1	1.93
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	1	1.93
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	1	1.93
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	1	1.93
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	1	1.93
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	1	1.93
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	1	1.93
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	1	1.93
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	1	1.93
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	2	1.93
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	2	1.93
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	2	1.93
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	10	1.92
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	10	1.92
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	10	1.92
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	10	1.92
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	10	1.92
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	10	1.92
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	18	1.92
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	18	1.92
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	18	1.92
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	18	1.92
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	18	1.92
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	18	1.92
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	6	1.92
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	6	1.92
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	6	1.92
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	15	1.92
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	15	1.92
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	15	1.92
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	16	1.92
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	16	1.92
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	16	1.92
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	19	1.92
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	19	1.92
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	19	1.92
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	1	1.92
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	1	1.92
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	1	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	1	1.92
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	1	1.92
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	1	1.92
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	1	1.92
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	1	1.92
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	1	1.92
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	5	1.92
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	5	1.92
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	5	1.92
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	5	1.92
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	5	1.92
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	5	1.92
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	5	1.92
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	5	1.92
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	5	1.92
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	18	1.92
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	18	1.92
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	18	1.92
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	18	1.92
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	18	1.92
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	18	1.92
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	16	1.92
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	16	1.92
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	16	1.92
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	10	1.92
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	10	1.92
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	10	1.92
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD11	13	1.92
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD12	13	1.92
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD13	13	1.92
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	2	1.92
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	2	1.92
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	2	1.92
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	6	1.92
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	6	1.92
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	6	1.92
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	8	1.92
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	8	1.92
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	8	1.92
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	20	1.91
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	20	1.91
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	20	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	20	1.91
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	20	1.91
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	20	1.91
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	4	1.91
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	4	1.91
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	4	1.91
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	4	1.91
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	4	1.91
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	4	1.91
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD1	16	1.91
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD2	16	1.91
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD1	16	1.91
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD2	16	1.91
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD1	16	1.91
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD2	16	1.91
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	7	1.91
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	7	1.91
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	7	1.91
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	5	1.91
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	5	1.91
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	5	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	3	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	3	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	3	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	3	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	3	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	3	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	3	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	3	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	3	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	7	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	7	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	7	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	7	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	7	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	7	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	7	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	7	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	7	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	8	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	8	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	8	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	8	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	8	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	8	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	8	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	8	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	8	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	16	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	16	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	16	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	16	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	16	1.91
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	16	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	16	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	16	1.91
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	16	1.91
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	10	1.91
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	10	1.91
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	10	1.91
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	16	1.91
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	16	1.91
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	16	1.91
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	10	1.91
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	10	1.91
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	10	1.91
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	17	1.91
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	17	1.91
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	17	1.91
(1,1939)	1:124:A:LEU:HD21	1:129:A:ASN:HB3	18	1.91
(1,1939)	1:124:A:LEU:HD22	1:129:A:ASN:HB3	18	1.91
(1,1939)	1:124:A:LEU:HD23	1:129:A:ASN:HB3	18	1.91
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	14	1.91
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	14	1.91
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	14	1.91
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	14	1.91
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	14	1.91
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	14	1.91
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	14	1.91
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	14	1.91
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	14	1.91
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	11	1.91
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	11	1.91
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	11	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	11	1.91
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	11	1.91
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	11	1.91
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	11	1.91
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	11	1.91
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	11	1.91
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	10	1.91
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	10	1.91
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	10	1.91
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	13	1.91
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	13	1.91
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	13	1.91
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	17	1.91
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	17	1.91
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	17	1.91
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	9	1.91
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	9	1.91
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	9	1.91
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	15	1.9
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	15	1.9
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	15	1.9
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	15	1.9
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	15	1.9
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	15	1.9
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	15	1.9
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	15	1.9
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	15	1.9
(1,2373)	1:124:A:LEU:HD21	1:129:A:ASN:HA	13	1.9
(1,2373)	1:124:A:LEU:HD22	1:129:A:ASN:HA	13	1.9
(1,2373)	1:124:A:LEU:HD23	1:129:A:ASN:HA	13	1.9
(1,1939)	1:124:A:LEU:HD21	1:129:A:ASN:HB3	10	1.9
(1,1939)	1:124:A:LEU:HD22	1:129:A:ASN:HB3	10	1.9
(1,1939)	1:124:A:LEU:HD23	1:129:A:ASN:HB3	10	1.9
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	6	1.9
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	6	1.9
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	6	1.9
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	6	1.9
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	6	1.9
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	6	1.9
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	6	1.9
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	6	1.9
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	6	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	9	1.9
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	9	1.9
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	9	1.9
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	2	1.9
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	2	1.9
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	2	1.9
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	8	1.9
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	8	1.9
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	8	1.9
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD11	15	1.9
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD12	15	1.9
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD13	15	1.9
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	13	1.9
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	13	1.9
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	13	1.9
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	15	1.9
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	15	1.9
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	15	1.9
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	20	1.89
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	20	1.89
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	20	1.89
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	7	1.89
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	7	1.89
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	7	1.89
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	6	1.89
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	6	1.89
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	6	1.89
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	6	1.89
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	6	1.89
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	6	1.89
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	6	1.89
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	6	1.89
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	6	1.89
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	5	1.89
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	5	1.89
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	5	1.89
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	3	1.89
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	3	1.89
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	3	1.89
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	12	1.89
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	12	1.89
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	12	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	19	1.89
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	19	1.89
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	19	1.89
(1,1969)	1:16:A:VAL:HG21	1:18:A:ASN:HB3	4	1.89
(1,1969)	1:16:A:VAL:HG22	1:18:A:ASN:HB3	4	1.89
(1,1969)	1:16:A:VAL:HG23	1:18:A:ASN:HB3	4	1.89
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	4	1.89
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	4	1.89
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	4	1.89
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	17	1.88
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	17	1.88
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	17	1.88
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	17	1.88
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	17	1.88
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	17	1.88
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	20	1.88
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	20	1.88
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	20	1.88
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	20	1.88
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	20	1.88
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	20	1.88
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	15	1.88
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	15	1.88
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	15	1.88
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	15	1.88
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	15	1.88
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	15	1.88
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD1	11	1.88
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD2	11	1.88
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD1	11	1.88
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD2	11	1.88
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD1	11	1.88
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD2	11	1.88
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	5	1.88
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	5	1.88
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	5	1.88
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	4	1.88
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	4	1.88
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	4	1.88
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	2	1.88
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	10	1.88
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	10	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	10	1.88
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	10	1.88
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	10	1.88
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	10	1.88
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	10	1.88
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	10	1.88
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	10	1.88
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	18	1.88
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	18	1.88
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	18	1.88
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	13	1.88
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	13	1.88
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	13	1.88
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	12	1.88
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	12	1.88
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	12	1.88
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	12	1.88
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	12	1.88
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	12	1.88
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	12	1.88
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	12	1.88
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	12	1.88
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	15	1.88
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	15	1.88
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	15	1.88
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	5	1.88
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	5	1.88
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	5	1.88
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	8	1.88
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	8	1.88
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	8	1.88
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	9	1.88
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	9	1.88
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	9	1.88
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	15	1.88
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	15	1.88
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	15	1.88
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	4	1.88
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	4	1.88
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	4	1.88
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	2	1.87
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	2	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	2	1.87
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	2	1.87
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	2	1.87
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	2	1.87
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	7	1.87
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	7	1.87
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	7	1.87
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	7	1.87
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	7	1.87
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	7	1.87
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	4	1.87
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	4	1.87
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	4	1.87
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	4	1.87
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	4	1.87
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	4	1.87
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	18	1.87
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	6	1.87
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	6	1.87
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	6	1.87
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	6	1.87
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	6	1.87
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	6	1.87
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	6	1.87
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	6	1.87
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	6	1.87
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	14	1.87
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	14	1.87
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	14	1.87
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	19	1.87
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	19	1.87
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	19	1.87
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	6	1.87
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	6	1.87
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	6	1.87
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	19	1.87
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	19	1.87
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	19	1.87
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	11	1.87
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	11	1.87
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	11	1.87
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD11	9	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD12	9	1.87
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD13	9	1.87
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	17	1.87
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	17	1.87
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	17	1.87
(1,135)	1:124:A:LEU:HD21	1:129:A:ASN:H	18	1.87
(1,135)	1:124:A:LEU:HD22	1:129:A:ASN:H	18	1.87
(1,135)	1:124:A:LEU:HD23	1:129:A:ASN:H	18	1.87
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	19	1.86
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	19	1.86
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	19	1.86
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	19	1.86
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	19	1.86
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	19	1.86
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	10	1.86
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	10	1.86
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	10	1.86
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	10	1.86
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	10	1.86
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	10	1.86
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	8	1.86
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	8	1.86
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	8	1.86
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	3	1.86
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	3	1.86
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	3	1.86
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	14	1.86
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	14	1.86
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	14	1.86
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	14	1.86
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	14	1.86
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	14	1.86
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	14	1.86
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	14	1.86
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	14	1.86
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	11	1.86
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	11	1.86
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	11	1.86
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	11	1.86
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	11	1.86
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	11	1.86
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	11	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	11	1.86
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	11	1.86
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	4	1.86
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	4	1.86
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	4	1.86
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	12	1.86
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	12	1.86
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	12	1.86
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	12	1.85
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	12	1.85
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	12	1.85
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	12	1.85
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	12	1.85
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	12	1.85
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	6	1.85
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	6	1.85
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	6	1.85
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	6	1.85
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	6	1.85
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	6	1.85
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD1	4	1.85
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD2	4	1.85
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD1	4	1.85
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD2	4	1.85
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD1	4	1.85
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD2	4	1.85
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD1	19	1.85
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD2	19	1.85
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD1	19	1.85
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD2	19	1.85
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD1	19	1.85
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD2	19	1.85
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD1	8	1.85
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD2	8	1.85
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD1	8	1.85
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD2	8	1.85
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD1	8	1.85
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD2	8	1.85
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	4	1.85
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	4	1.85
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	4	1.85
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	8	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	8	1.85
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	8	1.85
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	6	1.85
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	6	1.85
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	6	1.85
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	6	1.85
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	6	1.85
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	6	1.85
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	6	1.85
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	6	1.85
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	6	1.85
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	6	1.85
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	6	1.85
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	6	1.85
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	16	1.85
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	16	1.85
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	16	1.85
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	17	1.85
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	17	1.85
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	17	1.85
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	17	1.85
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	17	1.85
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	17	1.85
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	17	1.85
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	17	1.85
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	17	1.85
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG11	15	1.85
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG12	15	1.85
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG13	15	1.85
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	11	1.85
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	11	1.85
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	11	1.85
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	8	1.85
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	8	1.85
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	8	1.85
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	17	1.84
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	17	1.84
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	17	1.84
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	17	1.84
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	17	1.84
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	17	1.84
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	9	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	9	1.84
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	9	1.84
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	9	1.84
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	9	1.84
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	9	1.84
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD1	20	1.84
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD2	20	1.84
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD1	20	1.84
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD2	20	1.84
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD1	20	1.84
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD2	20	1.84
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG21	9	1.84
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG22	9	1.84
(1,3639)	1:145:A:PRO:HG2	1:181:A:VAL:HG23	9	1.84
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	9	1.84
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	9	1.84
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	9	1.84
(1,3342)	1:23:A:VAL:HG21	1:27:A:SER:HB2	8	1.84
(1,3342)	1:23:A:VAL:HG22	1:27:A:SER:HB2	8	1.84
(1,3342)	1:23:A:VAL:HG23	1:27:A:SER:HB2	8	1.84
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	1	1.84
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	1	1.84
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	1	1.84
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	10	1.84
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	10	1.84
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	10	1.84
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	10	1.84
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	10	1.84
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	10	1.84
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	10	1.84
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	10	1.84
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	10	1.84
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	16	1.84
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	16	1.84
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	16	1.84
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	16	1.84
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	16	1.84
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	16	1.84
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	16	1.84
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	16	1.84
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	16	1.84
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	1	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	1	1.84
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	1	1.84
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	20	1.84
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	20	1.84
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	20	1.84
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	3	1.84
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	3	1.84
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	3	1.84
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	11	1.84
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	11	1.84
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	11	1.84
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	9	1.84
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	9	1.84
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	9	1.84
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	1	1.84
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	1	1.84
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	1	1.84
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	1	1.84
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	1	1.84
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	1	1.84
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	18	1.84
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	18	1.84
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	18	1.84
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	10	1.83
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	12	1.83
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	12	1.83
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	12	1.83
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	12	1.83
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	12	1.83
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	12	1.83
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	12	1.83
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	12	1.83
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	12	1.83
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	7	1.83
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	7	1.83
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	7	1.83
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	3	1.82
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	3	1.82
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	3	1.82
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	3	1.82
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	3	1.82
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	3	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD1	8	1.82
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD2	8	1.82
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD1	8	1.82
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD2	8	1.82
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD1	8	1.82
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD2	8	1.82
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	7	1.82
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	7	1.82
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	7	1.82
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD11	10	1.82
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD12	10	1.82
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD13	10	1.82
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD11	10	1.82
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD12	10	1.82
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD13	10	1.82
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	5	1.82
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	5	1.82
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	5	1.82
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	16	1.82
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	16	1.82
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	16	1.82
(1,1827)	1:25:A:ALA:HA	1:29:A:ASP:HB3	3	1.82
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	10	1.82
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	10	1.82
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	10	1.82
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	10	1.82
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	10	1.82
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	10	1.82
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	10	1.82
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	10	1.82
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	10	1.82
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	14	1.82
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	14	1.82
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	14	1.82
(1,1658)	1:71:A:VAL:HG11	1:155:A:LYS:H	5	1.82
(1,1658)	1:71:A:VAL:HG12	1:155:A:LYS:H	5	1.82
(1,1658)	1:71:A:VAL:HG13	1:155:A:LYS:H	5	1.82
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	9	1.82
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	9	1.82
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	9	1.82
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	6	1.81
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	6	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	6	1.81
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	6	1.81
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	6	1.81
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	6	1.81
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD1	10	1.81
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD2	10	1.81
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD1	10	1.81
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD2	10	1.81
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD1	10	1.81
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD2	10	1.81
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD1	17	1.81
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD2	17	1.81
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD1	17	1.81
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD2	17	1.81
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD1	17	1.81
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD2	17	1.81
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	2	1.81
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	2	1.81
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	2	1.81
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	2	1.81
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	2	1.81
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	2	1.81
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	3	1.81
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	3	1.81
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	3	1.81
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	11	1.81
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	11	1.81
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	11	1.81
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	20	1.81
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	20	1.81
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	20	1.81
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	20	1.81
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	20	1.81
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	20	1.81
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	20	1.81
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	20	1.81
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	20	1.81
(1,2373)	1:124:A:LEU:HD21	1:129:A:ASN:HA	15	1.81
(1,2373)	1:124:A:LEU:HD22	1:129:A:ASN:HA	15	1.81
(1,2373)	1:124:A:LEU:HD23	1:129:A:ASN:HA	15	1.81
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	16	1.81
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	16	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	16	1.81
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	16	1.81
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	16	1.81
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	16	1.81
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	16	1.81
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	16	1.81
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	16	1.81
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	14	1.81
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	14	1.81
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	14	1.81
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	13	1.81
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	13	1.81
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	13	1.81
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	10	1.81
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	10	1.81
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	10	1.81
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	10	1.81
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	10	1.81
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	10	1.81
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	10	1.81
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	10	1.81
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	10	1.81
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	7	1.81
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	7	1.81
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	7	1.81
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	7	1.81
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	7	1.81
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	7	1.81
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	7	1.81
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	7	1.81
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	7	1.81
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	16	1.81
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	16	1.81
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	16	1.81
(1,732)	1:124:A:LEU:HD21	1:130:A:THR:H	10	1.81
(1,732)	1:124:A:LEU:HD22	1:130:A:THR:H	10	1.81
(1,732)	1:124:A:LEU:HD23	1:130:A:THR:H	10	1.81
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	8	1.81
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	8	1.81
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	8	1.81
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	17	1.81
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	17	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	17	1.81
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	5	1.8
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	5	1.8
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	5	1.8
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	5	1.8
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	5	1.8
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	5	1.8
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	6	1.8
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	6	1.8
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	6	1.8
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	6	1.8
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	6	1.8
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	6	1.8
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	17	1.8
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	17	1.8
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	17	1.8
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	17	1.8
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	17	1.8
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	17	1.8
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	11	1.8
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	11	1.8
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	11	1.8
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	17	1.8
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	17	1.8
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	17	1.8
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	1	1.8
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	1	1.8
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	1	1.8
(1,1929)	1:16:A:VAL:HG21	1:18:A:ASN:HA	18	1.8
(1,1929)	1:16:A:VAL:HG22	1:18:A:ASN:HA	18	1.8
(1,1929)	1:16:A:VAL:HG23	1:18:A:ASN:HA	18	1.8
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	13	1.8
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	13	1.8
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	13	1.8
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	5	1.8
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	5	1.8
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	5	1.8
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	11	1.8
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	11	1.8
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	11	1.8
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	19	1.8
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	19	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	19	1.8
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	12	1.8
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	12	1.8
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	12	1.8
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	12	1.8
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	12	1.8
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	12	1.8
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	12	1.8
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	12	1.8
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	12	1.8
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	3	1.8
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	3	1.8
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	3	1.8
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	20	1.8
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	20	1.8
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	20	1.8
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	20	1.8
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	20	1.8
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	20	1.8
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	8	1.79
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	8	1.79
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	8	1.79
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	8	1.79
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	8	1.79
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	8	1.79
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	7	1.79
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	7	1.79
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	7	1.79
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	14	1.79
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	14	1.79
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	14	1.79
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG21	7	1.79
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG22	7	1.79
(1,3548)	1:16:A:VAL:HA	1:170:A:VAL:HG23	7	1.79
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	2	1.79
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	2	1.79
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	2	1.79
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	14	1.79
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	14	1.79
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	14	1.79
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	7	1.79
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	7	1.79
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG11	20	1.79
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG12	20	1.79
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG13	20	1.79
(1,1698)	1:71:A:VAL:HG11	1:73:A:PHE:H	11	1.79
(1,1698)	1:71:A:VAL:HG12	1:73:A:PHE:H	11	1.79
(1,1698)	1:71:A:VAL:HG13	1:73:A:PHE:H	11	1.79
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	6	1.79
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	6	1.79
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	6	1.79
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	12	1.79
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	12	1.79
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	12	1.79
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	17	1.79
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	17	1.79
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	17	1.79
(1,1658)	1:71:A:VAL:HG11	1:155:A:LYS:H	15	1.79
(1,1658)	1:71:A:VAL:HG12	1:155:A:LYS:H	15	1.79
(1,1658)	1:71:A:VAL:HG13	1:155:A:LYS:H	15	1.79
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	12	1.79
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	12	1.79
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	12	1.79
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG11	13	1.79
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG12	13	1.79
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG13	13	1.79
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	7	1.79
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	7	1.79
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	7	1.79
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	10	1.79
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	10	1.79
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	10	1.79
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	4	1.79
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	10	1.79
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	10	1.79
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	10	1.79
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	16	1.79
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	16	1.79
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	16	1.79
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	1	1.79
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	1	1.79
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	1	1.79
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	19	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	19	1.78
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	19	1.78
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	19	1.78
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	19	1.78
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	19	1.78
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	3	1.78
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	3	1.78
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	3	1.78
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	3	1.78
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	3	1.78
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	3	1.78
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	13	1.78
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	13	1.78
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	13	1.78
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	13	1.78
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	13	1.78
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	13	1.78
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	14	1.78
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	14	1.78
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	14	1.78
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	11	1.78
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	11	1.78
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	11	1.78
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	12	1.78
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	12	1.78
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	12	1.78
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	12	1.78
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	12	1.78
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	12	1.78
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	12	1.78
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	12	1.78
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	12	1.78
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	5	1.78
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	5	1.78
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	5	1.78
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	18	1.78
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	18	1.78
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	18	1.78
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	1	1.78
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	1	1.78
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	1	1.78
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	18	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	18	1.78
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	18	1.78
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	16	1.78
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	16	1.78
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	16	1.78
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	13	1.78
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	13	1.78
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	13	1.78
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	3	1.77
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	3	1.77
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	3	1.77
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	3	1.77
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	3	1.77
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	3	1.77
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	14	1.77
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	14	1.77
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	14	1.77
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	14	1.77
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	14	1.77
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	14	1.77
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	19	1.77
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	19	1.77
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	19	1.77
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	19	1.77
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	19	1.77
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	19	1.77
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	15	1.77
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	15	1.77
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	15	1.77
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	4	1.77
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	4	1.77
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	4	1.77
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	11	1.77
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	11	1.77
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	11	1.77
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	11	1.77
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	11	1.77
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	11	1.77
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	10	1.77
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	10	1.77
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	10	1.77
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	9	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	18	1.77
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	10	1.76
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	10	1.76
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	10	1.76
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	10	1.76
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	10	1.76
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	10	1.76
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD1	19	1.76
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD2	19	1.76
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD1	19	1.76
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD2	19	1.76
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD1	19	1.76
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD2	19	1.76
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	5	1.76
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	5	1.76
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	5	1.76
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	3	1.76
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	3	1.76
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	3	1.76
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	3	1.76
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	3	1.76
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	3	1.76
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	3	1.76
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	3	1.76
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	3	1.76
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	17	1.76
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	17	1.76
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	17	1.76
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	6	1.76
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	6	1.76
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	6	1.76
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD21	19	1.76
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD22	19	1.76
(1,1519)	1:24:A:ASP:H	1:58:A:LEU:HD23	19	1.76
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	19	1.76
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	19	1.76
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	19	1.76
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	3	1.76
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	3	1.76
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	3	1.76
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	20	1.76
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	5	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	5	1.75
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	5	1.75
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	9	1.75
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	9	1.75
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	9	1.75
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	7	1.75
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	7	1.75
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	7	1.75
(1,1939)	1:124:A:LEU:HD21	1:129:A:ASN:HB3	15	1.75
(1,1939)	1:124:A:LEU:HD22	1:129:A:ASN:HB3	15	1.75
(1,1939)	1:124:A:LEU:HD23	1:129:A:ASN:HB3	15	1.75
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	15	1.75
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	15	1.75
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	15	1.75
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	15	1.75
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	15	1.75
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	15	1.75
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	15	1.75
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	15	1.75
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	15	1.75
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	3	1.75
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	3	1.75
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	3	1.75
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	6	1.75
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	6	1.75
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	6	1.75
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	12	1.75
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	12	1.75
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	12	1.75
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	15	1.74
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	15	1.74
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	15	1.74
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	15	1.74
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	15	1.74
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	15	1.74
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD1	2	1.74
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD2	2	1.74
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD1	2	1.74
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD2	2	1.74
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD1	2	1.74
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD2	2	1.74
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD11	18	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD12	18	1.74
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD13	18	1.74
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD11	18	1.74
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD12	18	1.74
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD13	18	1.74
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	8	1.74
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	8	1.74
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	8	1.74
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	8	1.74
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	8	1.74
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	8	1.74
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	1	1.74
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	1	1.74
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	1	1.74
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	1	1.74
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	1	1.74
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	1	1.74
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	6	1.74
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	10	1.74
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	10	1.74
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	10	1.74
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	10	1.74
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	10	1.74
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	10	1.74
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	10	1.74
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	10	1.74
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	10	1.74
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	14	1.74
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	14	1.74
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	14	1.74
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	14	1.74
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	14	1.74
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	14	1.74
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	14	1.74
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	14	1.74
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	14	1.74
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	7	1.74
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	7	1.74
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	7	1.74
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	20	1.74
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	20	1.74
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	20	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	7	1.74
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	7	1.74
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	7	1.74
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	7	1.74
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	7	1.74
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	7	1.74
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	7	1.74
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	7	1.74
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	7	1.74
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	10	1.74
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	10	1.74
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	10	1.74
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	14	1.74
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	14	1.74
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	14	1.74
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	16	1.74
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	16	1.74
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	16	1.74
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	2	1.74
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	2	1.74
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	2	1.74
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	19	1.74
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	19	1.74
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	19	1.74
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	20	1.74
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	20	1.74
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	20	1.74
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	15	1.74
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	7	1.74
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	7	1.74
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	7	1.74
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	20	1.73
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	20	1.73
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	20	1.73
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	11	1.73
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	11	1.73
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	11	1.73
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	17	1.73
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	17	1.73
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	17	1.73
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	20	1.73
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	13	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	13	1.73
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	13	1.73
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	13	1.73
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	13	1.73
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	13	1.73
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	13	1.73
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	13	1.73
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	13	1.73
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	1	1.73
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	1	1.73
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	1	1.73
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	1	1.73
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	1	1.73
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	1	1.73
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	6	1.73
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	6	1.73
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	6	1.73
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	7	1.73
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	7	1.73
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	7	1.73
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	7	1.73
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	7	1.73
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	7	1.73
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	7	1.73
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	7	1.73
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	7	1.73
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	4	1.73
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	4	1.73
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	4	1.73
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG21	13	1.73
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG22	13	1.73
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG23	13	1.73
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	14	1.73
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	14	1.73
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	14	1.73
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	14	1.73
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	14	1.73
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	14	1.73
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	14	1.73
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	14	1.73
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	14	1.73
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	9	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	9	1.73
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	9	1.73
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	14	1.73
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	14	1.73
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	14	1.73
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	19	1.73
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	19	1.73
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	19	1.73
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	1	1.73
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	1	1.73
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	1	1.73
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	13	1.73
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	13	1.73
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	13	1.73
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	20	1.73
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	20	1.73
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	20	1.73
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	3	1.73
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	3	1.73
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	3	1.73
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	19	1.73
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	19	1.73
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	19	1.73
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	3	1.73
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	3	1.73
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	3	1.73
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	2	1.73
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	3	1.73
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	15	1.73
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	15	1.73
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	15	1.73
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	17	1.73
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	17	1.73
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	17	1.73
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	17	1.72
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	17	1.72
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	17	1.72
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	3	1.72
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	3	1.72
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	3	1.72
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	18	1.72
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	18	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	18	1.72
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	11	1.72
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	5	1.72
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	5	1.72
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	5	1.72
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	7	1.72
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	7	1.72
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	7	1.72
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	7	1.72
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	7	1.72
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	7	1.72
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	16	1.72
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	16	1.72
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	16	1.72
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	16	1.72
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	16	1.72
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	16	1.72
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	16	1.72
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	16	1.72
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	16	1.72
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	20	1.72
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	20	1.72
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	20	1.72
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	4	1.72
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	4	1.72
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	4	1.72
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	7	1.72
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	7	1.72
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	7	1.72
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	20	1.72
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	20	1.72
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	20	1.72
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD11	18	1.72
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD12	18	1.72
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD13	18	1.72
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	12	1.72
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	16	1.72
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	10	1.72
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	10	1.72
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	10	1.72
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	12	1.71
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	12	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	12	1.71
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	12	1.71
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	12	1.71
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	12	1.71
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	16	1.71
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	16	1.71
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	16	1.71
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	16	1.71
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	16	1.71
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	16	1.71
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	14	1.71
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	14	1.71
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	14	1.71
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	17	1.71
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	17	1.71
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	17	1.71
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	14	1.71
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	8	1.71
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	8	1.71
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	8	1.71
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	12	1.71
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	12	1.71
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	12	1.71
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	17	1.71
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	17	1.71
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	17	1.71
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	7	1.71
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	7	1.71
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	7	1.71
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	7	1.71
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	7	1.71
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	7	1.71
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	7	1.71
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	7	1.71
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	7	1.71
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	15	1.71
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	15	1.71
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	15	1.71
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	15	1.71
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	15	1.71
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	15	1.71
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	19	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	19	1.71
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	19	1.71
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	14	1.71
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	14	1.71
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	14	1.71
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	14	1.71
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	14	1.71
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	14	1.71
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	19	1.71
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	20	1.71
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	20	1.71
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	20	1.71
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	5	1.71
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	5	1.71
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	5	1.71
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	11	1.7
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	11	1.7
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	11	1.7
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	11	1.7
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	11	1.7
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	11	1.7
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	3	1.7
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	5	1.7
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	8	1.7
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	14	1.7
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	14	1.7
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	14	1.7
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	5	1.7
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	5	1.7
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	5	1.7
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	5	1.7
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	5	1.7
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	5	1.7
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	5	1.7
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	5	1.7
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	5	1.7
(1,1698)	1:71:A:VAL:HG11	1:73:A:PHE:H	2	1.7
(1,1698)	1:71:A:VAL:HG12	1:73:A:PHE:H	2	1.7
(1,1698)	1:71:A:VAL:HG13	1:73:A:PHE:H	2	1.7
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	2	1.7
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	2	1.7
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	2	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	8	1.7
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	8	1.7
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	8	1.7
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	12	1.7
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	12	1.7
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	12	1.7
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	9	1.7
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	9	1.7
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	9	1.7
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	13	1.7
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	13	1.7
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	13	1.7
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	17	1.7
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	17	1.7
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	17	1.7
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	19	1.7
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	19	1.7
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	19	1.7
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	16	1.7
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	16	1.7
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	16	1.7
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	5	1.7
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	5	1.7
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	5	1.7
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	3	1.7
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	3	1.7
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	3	1.7
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	11	1.69
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	11	1.69
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	11	1.69
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	11	1.69
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	11	1.69
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	11	1.69
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	18	1.69
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	18	1.69
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	18	1.69
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	18	1.69
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	18	1.69
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	18	1.69
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	11	1.69
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	11	1.69
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	11	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	11	1.69
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	11	1.69
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	11	1.69
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	4	1.69
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	4	1.69
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	4	1.69
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	1	1.69
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	1	1.69
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	1	1.69
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	19	1.69
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	19	1.69
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	19	1.69
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	20	1.69
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	20	1.69
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	20	1.69
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD11	19	1.69
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD12	19	1.69
(1,3715)	1:73:A:PHE:HE1	1:111:A:LEU:HD13	19	1.69
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD11	19	1.69
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD12	19	1.69
(1,3715)	1:73:A:PHE:HE2	1:111:A:LEU:HD13	19	1.69
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	13	1.69
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	13	1.69
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	13	1.69
(1,3039)	1:16:A:VAL:HG21	1:168:A:THR:HB	10	1.69
(1,3039)	1:16:A:VAL:HG22	1:168:A:THR:HB	10	1.69
(1,3039)	1:16:A:VAL:HG23	1:168:A:THR:HB	10	1.69
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	2	1.69
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	2	1.69
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	2	1.69
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	4	1.69
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB1	18	1.69
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB2	18	1.69
(1,2418)	1:182:A:VAL:HG11	1:184:A:ALA:HB3	18	1.69
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB1	18	1.69
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB2	18	1.69
(1,2418)	1:182:A:VAL:HG12	1:184:A:ALA:HB3	18	1.69
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB1	18	1.69
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB2	18	1.69
(1,2418)	1:182:A:VAL:HG13	1:184:A:ALA:HB3	18	1.69
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	2	1.69
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	2	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	2	1.69
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	7	1.69
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	7	1.69
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	7	1.69
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	2	1.69
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	2	1.69
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	2	1.69
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	2	1.69
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	2	1.69
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	2	1.69
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	2	1.69
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	2	1.69
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	2	1.69
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	14	1.69
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	14	1.69
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	14	1.69
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	6	1.69
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	6	1.69
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	6	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	6	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	6	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	6	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	8	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	8	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	8	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	14	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	14	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	14	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	16	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	16	1.69
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	16	1.69
(1,1658)	1:71:A:VAL:HG11	1:155:A:LYS:H	8	1.69
(1,1658)	1:71:A:VAL:HG12	1:155:A:LYS:H	8	1.69
(1,1658)	1:71:A:VAL:HG13	1:155:A:LYS:H	8	1.69
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	15	1.69
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	15	1.69
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	15	1.69
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG11	19	1.69
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG12	19	1.69
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG13	19	1.69
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	4	1.69
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	4	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	4	1.69
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	13	1.69
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	13	1.69
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	13	1.69
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	1	1.69
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	1	1.69
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	1	1.69
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD1	5	1.68
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD2	5	1.68
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD1	5	1.68
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD2	5	1.68
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD1	5	1.68
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD2	5	1.68
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD1	9	1.68
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD2	9	1.68
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD1	9	1.68
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD2	9	1.68
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD1	9	1.68
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD2	9	1.68
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	4	1.68
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	20	1.68
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	20	1.68
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	20	1.68
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	19	1.68
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	19	1.68
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	19	1.68
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	19	1.68
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	19	1.68
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	19	1.68
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	19	1.68
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	19	1.68
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	19	1.68
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	11	1.68
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	11	1.68
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	11	1.68
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	1	1.68
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	1	1.68
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	1	1.68
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	4	1.68
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	4	1.68
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	4	1.68
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	15	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	15	1.68
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	15	1.68
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	2	1.68
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	2	1.68
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	2	1.68
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	3	1.68
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	3	1.68
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	3	1.68
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG11	5	1.68
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG12	5	1.68
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG13	5	1.68
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	2	1.68
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	2	1.68
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	2	1.68
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	16	1.67
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	16	1.67
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	16	1.67
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	16	1.67
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	16	1.67
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	16	1.67
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	2	1.67
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	2	1.67
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	2	1.67
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	2	1.67
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	2	1.67
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	2	1.67
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	16	1.67
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	16	1.67
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	16	1.67
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	16	1.67
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	16	1.67
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	16	1.67
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	12	1.67
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	13	1.67
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	13	1.67
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	13	1.67
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	17	1.67
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	17	1.67
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	17	1.67
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	2	1.67
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	2	1.67
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	2	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	3	1.67
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	3	1.67
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	3	1.67
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	15	1.67
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	15	1.67
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	15	1.67
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	18	1.67
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	18	1.67
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	18	1.67
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	14	1.67
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	14	1.67
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	14	1.67
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	16	1.67
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	16	1.67
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	16	1.67
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	19	1.67
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	19	1.67
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	19	1.67
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	19	1.67
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	19	1.67
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	19	1.67
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	19	1.67
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	19	1.67
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	19	1.67
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	1	1.67
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	1	1.67
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	1	1.67
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	17	1.67
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	17	1.67
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	17	1.67
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	1	1.67
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	1	1.67
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	1	1.67
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	17	1.67
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	17	1.67
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	17	1.67
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	2	1.67
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	2	1.67
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	2	1.67
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	2	1.66
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	2	1.66
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	2	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	2	1.66
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	2	1.66
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	2	1.66
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	14	1.66
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	14	1.66
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	14	1.66
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	14	1.66
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	14	1.66
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	14	1.66
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	9	1.66
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	9	1.66
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	9	1.66
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	19	1.66
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	19	1.66
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	19	1.66
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	9	1.66
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	9	1.66
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	9	1.66
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	19	1.66
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	9	1.66
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	9	1.66
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	9	1.66
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	19	1.66
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	19	1.66
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	19	1.66
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	19	1.66
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	19	1.66
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	19	1.66
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	19	1.66
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	19	1.66
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	19	1.66
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	4	1.66
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	4	1.66
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	4	1.66
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	13	1.66
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	13	1.66
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	13	1.66
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	19	1.66
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	19	1.66
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	19	1.66
(1,1658)	1:71:A:VAL:HG11	1:155:A:LYS:H	19	1.66
(1,1658)	1:71:A:VAL:HG12	1:155:A:LYS:H	19	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1658)	1:71:A:VAL:HG13	1:155:A:LYS:H	19	1.66
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	11	1.66
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	11	1.66
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	11	1.66
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	11	1.66
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	11	1.66
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	11	1.66
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	10	1.66
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	19	1.66
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	19	1.66
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	19	1.66
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	1	1.66
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	1	1.66
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	1	1.66
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	11	1.65
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	11	1.65
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	11	1.65
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	11	1.65
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	11	1.65
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	11	1.65
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	17	1.65
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	17	1.65
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	17	1.65
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	17	1.65
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	17	1.65
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	17	1.65
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	6	1.65
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	6	1.65
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	6	1.65
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	6	1.65
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	6	1.65
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	6	1.65
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	12	1.65
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	3	1.65
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	3	1.65
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	3	1.65
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	11	1.65
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	11	1.65
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	11	1.65
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	6	1.65
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	6	1.65
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	6	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	13	1.65
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	13	1.65
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	13	1.65
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	14	1.65
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	14	1.65
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	14	1.65
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	10	1.65
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	10	1.65
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	10	1.65
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	14	1.65
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	14	1.65
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	14	1.65
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	9	1.65
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	9	1.65
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	9	1.65
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	9	1.65
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	9	1.65
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	9	1.65
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	9	1.65
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	9	1.65
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	9	1.65
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	13	1.65
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	13	1.65
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	13	1.65
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	13	1.65
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	13	1.65
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	13	1.65
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	13	1.65
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	13	1.65
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	13	1.65
(1,1698)	1:71:A:VAL:HG11	1:73:A:PHE:H	8	1.65
(1,1698)	1:71:A:VAL:HG12	1:73:A:PHE:H	8	1.65
(1,1698)	1:71:A:VAL:HG13	1:73:A:PHE:H	8	1.65
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	18	1.65
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	18	1.65
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	18	1.65
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	3	1.65
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	3	1.65
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	3	1.65
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	7	1.65
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	7	1.65
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	7	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	16	1.65
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	16	1.65
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	16	1.65
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	2	1.65
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	2	1.65
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	2	1.65
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	15	1.65
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	15	1.65
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	15	1.65
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	18	1.65
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	18	1.65
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	18	1.65
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	11	1.65
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	11	1.65
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	11	1.65
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	7	1.64
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	7	1.64
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	7	1.64
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	7	1.64
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	7	1.64
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	7	1.64
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	14	1.64
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	14	1.64
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	14	1.64
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	14	1.64
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	14	1.64
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	14	1.64
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	19	1.64
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	19	1.64
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	19	1.64
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	19	1.64
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	19	1.64
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	19	1.64
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	14	1.64
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	14	1.64
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	14	1.64
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	6	1.64
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	6	1.64
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	6	1.64
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	18	1.64
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	2	1.64
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	2	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	2	1.64
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	2	1.64
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	2	1.64
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	2	1.64
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	2	1.64
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	2	1.64
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	2	1.64
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	13	1.64
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	13	1.64
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	13	1.64
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	4	1.64
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	4	1.64
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	4	1.64
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	13	1.64
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	13	1.64
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	13	1.64
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	1	1.64
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	1	1.64
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	1	1.64
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	1	1.64
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	1	1.64
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	1	1.64
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	1	1.64
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	1	1.64
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	1	1.64
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	17	1.64
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	17	1.64
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	17	1.64
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	17	1.64
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	17	1.64
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	17	1.64
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	17	1.64
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	17	1.64
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	17	1.64
(1,1658)	1:71:A:VAL:HG11	1:155:A:LYS:H	11	1.64
(1,1658)	1:71:A:VAL:HG12	1:155:A:LYS:H	11	1.64
(1,1658)	1:71:A:VAL:HG13	1:155:A:LYS:H	11	1.64
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	20	1.64
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	20	1.64
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	20	1.64
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	17	1.64
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	17	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	17	1.64
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	3	1.64
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	3	1.64
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	3	1.64
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	14	1.64
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	14	1.64
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	14	1.64
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	15	1.64
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	15	1.64
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	15	1.64
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	5	1.64
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	9	1.64
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	9	1.64
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	9	1.64
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	5	1.63
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	5	1.63
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	5	1.63
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	5	1.63
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	5	1.63
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	5	1.63
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	15	1.63
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	15	1.63
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	15	1.63
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	15	1.63
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	15	1.63
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	15	1.63
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	18	1.63
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	18	1.63
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	18	1.63
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	18	1.63
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	18	1.63
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	18	1.63
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	16	1.63
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	16	1.63
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	16	1.63
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	8	1.63
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	8	1.63
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	8	1.63
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	1	1.63
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	1	1.63
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	1	1.63
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	9	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	9	1.63
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	9	1.63
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	9	1.63
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	9	1.63
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	9	1.63
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	9	1.63
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	9	1.63
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	9	1.63
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	9	1.63
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	12	1.63
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	12	1.63
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	12	1.63
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	12	1.63
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	12	1.63
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	12	1.63
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	12	1.63
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	12	1.63
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	12	1.63
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	14	1.63
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	14	1.63
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	14	1.63
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	14	1.63
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	14	1.63
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	14	1.63
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	14	1.63
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	14	1.63
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	14	1.63
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	9	1.63
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	9	1.63
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	9	1.63
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	14	1.63
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	14	1.63
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	14	1.63
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	14	1.63
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	14	1.63
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	14	1.63
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	14	1.63
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	14	1.63
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	14	1.63
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	12	1.63
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	12	1.63
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	12	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG11	8	1.63
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG12	8	1.63
(1,2091)	1:155:A:LYS:HA	1:156:A:VAL:HG13	8	1.63
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	5	1.63
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	5	1.63
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	5	1.63
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	5	1.63
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	5	1.63
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	5	1.63
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	16	1.63
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	16	1.63
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	16	1.63
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	3	1.63
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	3	1.63
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	3	1.63
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	3	1.63
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	3	1.63
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	3	1.63
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	17	1.63
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	17	1.63
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	17	1.63
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	15	1.63
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	15	1.63
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	15	1.63
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	15	1.63
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	15	1.63
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	15	1.63
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	15	1.63
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	15	1.63
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	15	1.63
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	15	1.63
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	15	1.63
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	15	1.63
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	18	1.63
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	18	1.63
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	18	1.63
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	13	1.63
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	13	1.63
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	13	1.63
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	5	1.62
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	5	1.62
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	5	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	5	1.62
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	5	1.62
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	5	1.62
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	7	1.62
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	7	1.62
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	7	1.62
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	7	1.62
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	7	1.62
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	7	1.62
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	13	1.62
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	13	1.62
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	13	1.62
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	13	1.62
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	13	1.62
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	13	1.62
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	6	1.62
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	6	1.62
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	6	1.62
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	6	1.62
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	6	1.62
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	6	1.62
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	11	1.62
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	9	1.62
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	9	1.62
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	9	1.62
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	5	1.62
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	5	1.62
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	5	1.62
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	20	1.62
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	20	1.62
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	20	1.62
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	3	1.62
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	3	1.62
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	3	1.62
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	9	1.62
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	9	1.62
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	9	1.62
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	9	1.62
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	9	1.62
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	9	1.62
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	9	1.62
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	9	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	9	1.62
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	9	1.62
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	9	1.62
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	9	1.62
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	6	1.62
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	6	1.62
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	6	1.62
(1,1658)	1:71:A:VAL:HG11	1:155:A:LYS:H	2	1.62
(1,1658)	1:71:A:VAL:HG12	1:155:A:LYS:H	2	1.62
(1,1658)	1:71:A:VAL:HG13	1:155:A:LYS:H	2	1.62
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	15	1.62
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	15	1.62
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	15	1.62
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	1	1.62
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	1	1.62
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	1	1.62
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	6	1.62
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	6	1.62
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	6	1.62
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	14	1.62
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	14	1.62
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	14	1.62
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	8	1.61
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	8	1.61
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	8	1.61
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	8	1.61
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	8	1.61
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	8	1.61
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	10	1.61
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	10	1.61
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	10	1.61
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	10	1.61
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	10	1.61
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	10	1.61
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	2	1.61
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	17	1.61
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	17	1.61
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	17	1.61
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	4	1.61
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	4	1.61
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	4	1.61
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	10	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	10	1.61
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	10	1.61
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	6	1.61
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	6	1.61
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	6	1.61
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	6	1.61
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	6	1.61
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	6	1.61
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	6	1.61
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	6	1.61
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	6	1.61
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	8	1.61
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	8	1.61
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	8	1.61
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	8	1.61
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	8	1.61
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	8	1.61
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	8	1.61
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	8	1.61
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	8	1.61
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	4	1.61
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	4	1.61
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	4	1.61
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	20	1.61
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	20	1.61
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	20	1.61
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	7	1.61
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	7	1.61
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	7	1.61
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	18	1.61
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	18	1.61
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	18	1.61
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	18	1.61
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	18	1.61
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	18	1.61
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	6	1.61
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	6	1.61
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	6	1.61
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	11	1.61
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	11	1.61
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	11	1.61
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	16	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	16	1.6
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	16	1.6
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	16	1.6
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	16	1.6
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	16	1.6
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	13	1.6
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	13	1.6
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	13	1.6
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	6	1.6
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	6	1.6
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	6	1.6
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	6	1.6
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	6	1.6
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	6	1.6
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	13	1.6
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	15	1.6
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	20	1.6
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	20	1.6
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	20	1.6
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	8	1.6
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	8	1.6
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	8	1.6
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	8	1.6
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	8	1.6
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	8	1.6
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	8	1.6
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	8	1.6
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	8	1.6
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	11	1.6
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	11	1.6
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	11	1.6
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	11	1.6
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	11	1.6
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	11	1.6
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	11	1.6
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	11	1.6
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	11	1.6
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	20	1.6
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	20	1.6
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	20	1.6
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	17	1.6
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	17	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	17	1.6
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	7	1.6
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	7	1.6
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	7	1.6
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	7	1.6
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	7	1.6
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	7	1.6
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	7	1.6
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	7	1.6
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	7	1.6
(1,1969)	1:16:A:VAL:HG21	1:18:A:ASN:HB3	6	1.6
(1,1969)	1:16:A:VAL:HG22	1:18:A:ASN:HB3	6	1.6
(1,1969)	1:16:A:VAL:HG23	1:18:A:ASN:HB3	6	1.6
(1,1658)	1:71:A:VAL:HG11	1:155:A:LYS:H	9	1.6
(1,1658)	1:71:A:VAL:HG12	1:155:A:LYS:H	9	1.6
(1,1658)	1:71:A:VAL:HG13	1:155:A:LYS:H	9	1.6
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	4	1.6
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	4	1.6
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	4	1.6
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	4	1.6
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	4	1.6
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	4	1.6
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	4	1.6
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	4	1.6
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	4	1.6
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	15	1.6
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	15	1.6
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	15	1.6
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	8	1.6
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	8	1.6
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	8	1.6
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	14	1.6
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	14	1.6
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	14	1.6
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	17	1.6
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	17	1.6
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	17	1.6
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG21	9	1.6
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG22	9	1.6
(1,875)	1:50:A:SER:H	1:52:A:VAL:HG23	9	1.6
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	7	1.6
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	7	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	7	1.6
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	12	1.6
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	12	1.6
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	12	1.6
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	12	1.6
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	12	1.6
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	12	1.6
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	13	1.6
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	13	1.6
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	13	1.6
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	5	1.59
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	5	1.59
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	5	1.59
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	5	1.59
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	5	1.59
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	5	1.59
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	1	1.59
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	1	1.59
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	1	1.59
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	1	1.59
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	1	1.59
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	1	1.59
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	4	1.59
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	4	1.59
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	4	1.59
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	4	1.59
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	4	1.59
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	4	1.59
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	15	1.59
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	2	1.59
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	2	1.59
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	2	1.59
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	8	1.59
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	8	1.59
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	8	1.59
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	14	1.59
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	14	1.59
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	14	1.59
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	14	1.59
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	14	1.59
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	14	1.59
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	14	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	14	1.59
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	14	1.59
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	16	1.59
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	16	1.59
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	16	1.59
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	19	1.59
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	19	1.59
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	19	1.59
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	9	1.59
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	9	1.59
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	9	1.59
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	13	1.59
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	13	1.59
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	13	1.59
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	7	1.59
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	7	1.59
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	7	1.59
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	15	1.59
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	15	1.59
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	15	1.59
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	10	1.59
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	10	1.59
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	10	1.59
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	7	1.59
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	7	1.59
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	7	1.59
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	12	1.59
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	12	1.59
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	12	1.59
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	9	1.59
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	9	1.59
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	9	1.59
(1,335)	1:34:A:LEU:HD21	1:150:A:ALA:H	5	1.59
(1,335)	1:34:A:LEU:HD22	1:150:A:ALA:H	5	1.59
(1,335)	1:34:A:LEU:HD23	1:150:A:ALA:H	5	1.59
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	10	1.59
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	10	1.59
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	10	1.59
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	14	1.58
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	14	1.58
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	14	1.58
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	14	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	14	1.58
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	14	1.58
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	9	1.58
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	9	1.58
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	9	1.58
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	9	1.58
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	9	1.58
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	9	1.58
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	11	1.58
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	11	1.58
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	11	1.58
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	11	1.58
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	11	1.58
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	11	1.58
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	14	1.58
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	14	1.58
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	14	1.58
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	14	1.58
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	14	1.58
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	14	1.58
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	3	1.58
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	3	1.58
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	3	1.58
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	18	1.58
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	10	1.58
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	10	1.58
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	10	1.58
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	19	1.58
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	19	1.58
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	19	1.58
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	3	1.58
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	3	1.58
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	3	1.58
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	19	1.58
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	19	1.58
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	19	1.58
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	19	1.58
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	19	1.58
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	19	1.58
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	19	1.58
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	19	1.58
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	19	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	9	1.58
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	9	1.58
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	9	1.58
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	10	1.58
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	10	1.58
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	10	1.58
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	19	1.58
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	19	1.58
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	19	1.58
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	15	1.58
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	15	1.58
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	15	1.58
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	3	1.58
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	3	1.58
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	3	1.58
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	14	1.58
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	14	1.58
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	14	1.58
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	18	1.58
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	18	1.58
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	18	1.58
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	3	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	3	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	3	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	3	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	3	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	3	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	13	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	13	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	13	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	13	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	13	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	13	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	16	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	16	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	16	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	16	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	16	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	16	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	17	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	17	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	17	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	17	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	17	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	17	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	19	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	19	1.57
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	19	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	19	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	19	1.57
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	19	1.57
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	7	1.57
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	11	1.57
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	18	1.57
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	18	1.57
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	18	1.57
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	17	1.57
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	17	1.57
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	17	1.57
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	17	1.57
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	17	1.57
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	17	1.57
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	17	1.57
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	17	1.57
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	17	1.57
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	6	1.57
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	6	1.57
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	6	1.57
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	14	1.57
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	14	1.57
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	14	1.57
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	18	1.57
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	18	1.57
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	18	1.57
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	6	1.57
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	6	1.57
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	6	1.57
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	8	1.57
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	8	1.57
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	8	1.57
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	8	1.57
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	8	1.57
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	8	1.57
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	8	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	8	1.57
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	8	1.57
(1,1969)	1:16:A:VAL:HG21	1:18:A:ASN:HB3	13	1.57
(1,1969)	1:16:A:VAL:HG22	1:18:A:ASN:HB3	13	1.57
(1,1969)	1:16:A:VAL:HG23	1:18:A:ASN:HB3	13	1.57
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	9	1.57
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	9	1.57
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	9	1.57
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	12	1.57
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	12	1.57
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	12	1.57
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	19	1.57
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	19	1.57
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	19	1.57
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	12	1.57
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	12	1.57
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	12	1.57
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	2	1.57
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	2	1.57
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	2	1.57
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	11	1.57
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	11	1.57
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	11	1.57
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	5	1.57
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	5	1.57
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	5	1.57
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	6	1.57
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	6	1.57
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	6	1.57
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	19	1.57
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	19	1.57
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	19	1.57
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	5	1.57
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	5	1.57
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	5	1.57
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	15	1.56
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	15	1.56
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	15	1.56
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	15	1.56
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	15	1.56
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	15	1.56
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	6	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	6	1.56
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	6	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	6	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	6	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	6	1.56
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	8	1.56
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	8	1.56
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	8	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	8	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	8	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	8	1.56
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	12	1.56
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	12	1.56
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	12	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	12	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	12	1.56
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	12	1.56
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE1	9	1.56
(1,3984)	1:101:A:VAL:HG11	1:137:A:TYR:HE2	9	1.56
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE1	9	1.56
(1,3984)	1:101:A:VAL:HG12	1:137:A:TYR:HE2	9	1.56
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE1	9	1.56
(1,3984)	1:101:A:VAL:HG13	1:137:A:TYR:HE2	9	1.56
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	9	1.56
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	9	1.56
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	9	1.56
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	15	1.56
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	15	1.56
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	15	1.56
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	6	1.56
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	6	1.56
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	6	1.56
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	18	1.56
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	18	1.56
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	18	1.56
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	18	1.56
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	18	1.56
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	18	1.56
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	18	1.56
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	18	1.56
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	18	1.56
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	20	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	20	1.56
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	20	1.56
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	16	1.56
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	16	1.56
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	16	1.56
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	1	1.56
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	1	1.56
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	1	1.56
(1,1929)	1:16:A:VAL:HG21	1:18:A:ASN:HA	7	1.56
(1,1929)	1:16:A:VAL:HG22	1:18:A:ASN:HA	7	1.56
(1,1929)	1:16:A:VAL:HG23	1:18:A:ASN:HA	7	1.56
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	2	1.56
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	2	1.56
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	2	1.56
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	9	1.56
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	9	1.56
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	9	1.56
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG21	20	1.56
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG22	20	1.56
(1,1686)	1:144:A:THR:HA	1:181:A:VAL:HG23	20	1.56
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	14	1.56
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	14	1.56
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	14	1.56
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	2	1.56
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	2	1.56
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	2	1.56
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	20	1.55
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	20	1.55
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	20	1.55
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	20	1.55
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	20	1.55
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	20	1.55
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	10	1.55
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	10	1.55
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	10	1.55
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	10	1.55
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	10	1.55
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	10	1.55
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	10	1.55
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	10	1.55
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	10	1.55
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	10	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	10	1.55
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	10	1.55
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD1	18	1.55
(1,3834)	1:111:A:LEU:HD11	1:133:A:PHE:HD2	18	1.55
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD1	18	1.55
(1,3834)	1:111:A:LEU:HD12	1:133:A:PHE:HD2	18	1.55
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD1	18	1.55
(1,3834)	1:111:A:LEU:HD13	1:133:A:PHE:HD2	18	1.55
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	10	1.55
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	10	1.55
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	10	1.55
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	10	1.55
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	12	1.55
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	12	1.55
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	12	1.55
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	10	1.55
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	10	1.55
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	10	1.55
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	2	1.55
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	2	1.55
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	2	1.55
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	10	1.55
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	10	1.55
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	10	1.55
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	18	1.55
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	18	1.55
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	18	1.55
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	18	1.55
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	18	1.55
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	18	1.55
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	18	1.55
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	18	1.55
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	18	1.55
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	19	1.55
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	19	1.55
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	19	1.55
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	6	1.55
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	6	1.55
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	6	1.55
(1,1658)	1:71:A:VAL:HG11	1:155:A:LYS:H	4	1.55
(1,1658)	1:71:A:VAL:HG12	1:155:A:LYS:H	4	1.55
(1,1658)	1:71:A:VAL:HG13	1:155:A:LYS:H	4	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1658)	1:71:A:VAL:HG11	1:155:A:LYS:H	17	1.55
(1,1658)	1:71:A:VAL:HG12	1:155:A:LYS:H	17	1.55
(1,1658)	1:71:A:VAL:HG13	1:155:A:LYS:H	17	1.55
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	8	1.55
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	8	1.55
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	8	1.55
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	19	1.55
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	19	1.55
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	19	1.55
(1,732)	1:124:A:LEU:HD21	1:130:A:THR:H	13	1.55
(1,732)	1:124:A:LEU:HD22	1:130:A:THR:H	13	1.55
(1,732)	1:124:A:LEU:HD23	1:130:A:THR:H	13	1.55
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	6	1.55
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	6	1.55
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	6	1.55
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	19	1.55
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	19	1.55
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	19	1.55
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	7	1.55
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	7	1.55
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	7	1.55
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	15	1.55
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	15	1.55
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	15	1.55
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	2	1.54
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	2	1.54
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	2	1.54
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	2	1.54
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	2	1.54
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	2	1.54
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	7	1.54
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	7	1.54
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	7	1.54
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	7	1.54
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	7	1.54
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	7	1.54
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD1	5	1.54
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD2	5	1.54
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD1	5	1.54
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD2	5	1.54
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD1	5	1.54
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD2	5	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	1	1.54
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	8	1.54
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	8	1.54
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	8	1.54
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	17	1.54
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	17	1.54
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	17	1.54
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	9	1.54
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	9	1.54
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	9	1.54
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	12	1.54
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	12	1.54
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	12	1.54
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG11	8	1.54
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG12	8	1.54
(1,2413)	1:38:A:ARG:HA	1:182:A:VAL:HG13	8	1.54
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	16	1.54
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	16	1.54
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	16	1.54
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	5	1.54
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	5	1.54
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	5	1.54
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	3	1.54
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	3	1.54
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	3	1.54
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	10	1.54
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	10	1.54
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	10	1.54
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	20	1.54
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	20	1.54
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	20	1.54
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	20	1.54
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	20	1.54
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	20	1.54
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	20	1.54
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	20	1.54
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	20	1.54
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	17	1.54
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	17	1.54
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	17	1.54
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	17	1.54
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	17	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	17	1.54
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	17	1.54
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	17	1.54
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	17	1.54
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	20	1.54
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	20	1.54
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	20	1.54
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	1	1.54
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	1	1.54
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	1	1.54
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	1	1.54
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	1	1.54
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	1	1.54
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	1	1.54
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	1	1.54
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	1	1.54
(1,1471)	1:34:A:LEU:HD11	1:52:A:VAL:H	18	1.54
(1,1471)	1:34:A:LEU:HD12	1:52:A:VAL:H	18	1.54
(1,1471)	1:34:A:LEU:HD13	1:52:A:VAL:H	18	1.54
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	6	1.54
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	6	1.54
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	6	1.54
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	6	1.54
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	6	1.54
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	6	1.54
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	6	1.54
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	6	1.54
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	6	1.54
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	6	1.54
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	6	1.54
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	6	1.54
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	12	1.54
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	12	1.54
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	12	1.54
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	3	1.54
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	3	1.54
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	3	1.54
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	16	1.54
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	16	1.54
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	16	1.54
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	2	1.54
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	2	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	2	1.54
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	10	1.54
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	10	1.54
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	10	1.54
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	8	1.54
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	8	1.54
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	8	1.54
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	12	1.54
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	12	1.54
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	12	1.54
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	16	1.54
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	16	1.54
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	16	1.54
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	1	1.53
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	1	1.53
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	1	1.53
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	1	1.53
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	1	1.53
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	1	1.53
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	10	1.53
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	10	1.53
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	10	1.53
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	10	1.53
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	10	1.53
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	10	1.53
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	13	1.53
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	13	1.53
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	13	1.53
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	13	1.53
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	13	1.53
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	13	1.53
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	13	1.53
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	13	1.53
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	13	1.53
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	13	1.53
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	13	1.53
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	13	1.53
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	18	1.53
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	7	1.53
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	7	1.53
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	7	1.53
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	20	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	20	1.53
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	20	1.53
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	3	1.53
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	19	1.53
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	19	1.53
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	19	1.53
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	12	1.53
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	12	1.53
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	12	1.53
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	9	1.53
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	9	1.53
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	9	1.53
(1,1698)	1:71:A:VAL:HG11	1:73:A:PHE:H	10	1.53
(1,1698)	1:71:A:VAL:HG12	1:73:A:PHE:H	10	1.53
(1,1698)	1:71:A:VAL:HG13	1:73:A:PHE:H	10	1.53
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	16	1.53
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	16	1.53
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	16	1.53
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	19	1.53
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	19	1.53
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	19	1.53
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	19	1.53
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	19	1.53
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	19	1.53
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	19	1.53
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	19	1.53
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	19	1.53
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	20	1.53
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	20	1.53
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	20	1.53
(1,676)	1:52:A:VAL:HG11	1:54:A:PHE:H	13	1.53
(1,676)	1:52:A:VAL:HG12	1:54:A:PHE:H	13	1.53
(1,676)	1:52:A:VAL:HG13	1:54:A:PHE:H	13	1.53
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	14	1.53
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	14	1.53
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	14	1.53
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	16	1.53
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	16	1.53
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	16	1.53
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	8	1.52
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	8	1.52
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	8	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	8	1.52
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	8	1.52
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	8	1.52
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	18	1.52
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	18	1.52
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	18	1.52
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	18	1.52
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	18	1.52
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	18	1.52
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	17	1.52
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	17	1.52
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	17	1.52
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	17	1.52
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	17	1.52
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	17	1.52
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	17	1.52
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG11	20	1.52
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG12	20	1.52
(1,3400)	1:38:A:ARG:HB2	1:182:A:VAL:HG13	20	1.52
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	16	1.52
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG11	20	1.52
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG12	20	1.52
(1,2417)	1:38:A:ARG:HG3	1:182:A:VAL:HG13	20	1.52
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	11	1.52
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	11	1.52
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	11	1.52
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	3	1.52
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	3	1.52
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	3	1.52
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	13	1.52
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	13	1.52
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	13	1.52
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	20	1.52
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	20	1.52
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	20	1.52
(1,1969)	1:16:A:VAL:HG21	1:18:A:ASN:HB3	10	1.52
(1,1969)	1:16:A:VAL:HG22	1:18:A:ASN:HB3	10	1.52
(1,1969)	1:16:A:VAL:HG23	1:18:A:ASN:HB3	10	1.52
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	19	1.52
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	19	1.52
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	19	1.52
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	20	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	20	1.52
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	20	1.52
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	1	1.52
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	1	1.52
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	1	1.52
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	10	1.52
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	10	1.52
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	10	1.52
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	11	1.52
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	11	1.52
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	11	1.52
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	19	1.52
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	19	1.52
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	19	1.52
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	18	1.52
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	18	1.52
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	18	1.52
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	19	1.52
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	19	1.52
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	19	1.52
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	8	1.52
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	13	1.52
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	13	1.52
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	13	1.52
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	13	1.52
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	16	1.52
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	16	1.52
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	16	1.52
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	4	1.52
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	4	1.52
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	4	1.52
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	17	1.51
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	17	1.51
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	17	1.51
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	17	1.51
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	17	1.51
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	17	1.51
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	11	1.51
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	11	1.51
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	11	1.51
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	15	1.51
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	15	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	15	1.51
(1,3433)	1:67:A:SER:HB3	1:123:A:THR:HA	2	1.51
(1,3039)	1:16:A:VAL:HG21	1:168:A:THR:HB	14	1.51
(1,3039)	1:16:A:VAL:HG22	1:168:A:THR:HB	14	1.51
(1,3039)	1:16:A:VAL:HG23	1:168:A:THR:HB	14	1.51
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	14	1.51
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	14	1.51
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	14	1.51
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	7	1.51
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	7	1.51
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	7	1.51
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	16	1.51
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	16	1.51
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	16	1.51
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	6	1.51
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	6	1.51
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	6	1.51
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	9	1.51
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	9	1.51
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	9	1.51
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	1	1.51
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	1	1.51
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	1	1.51
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	15	1.51
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	15	1.51
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	15	1.51
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	10	1.51
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	10	1.51
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	10	1.51
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	15	1.51
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	15	1.51
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	15	1.51
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	13	1.51
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	13	1.51
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	13	1.51
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	13	1.51
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	13	1.51
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	13	1.51
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	13	1.51
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	13	1.51
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	13	1.51
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	9	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	9	1.51
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	9	1.51
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	9	1.51
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	9	1.51
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	9	1.51
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	9	1.51
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	9	1.51
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	9	1.51
(1,1969)	1:16:A:VAL:HG21	1:18:A:ASN:HB3	5	1.51
(1,1969)	1:16:A:VAL:HG22	1:18:A:ASN:HB3	5	1.51
(1,1969)	1:16:A:VAL:HG23	1:18:A:ASN:HB3	5	1.51
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG21	14	1.51
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG22	14	1.51
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG23	14	1.51
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	3	1.51
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	3	1.51
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	3	1.51
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	10	1.51
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	10	1.51
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	10	1.51
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	10	1.51
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	10	1.51
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	10	1.51
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	16	1.51
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	16	1.51
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	16	1.51
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	18	1.51
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD11	10	1.51
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD12	10	1.51
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD13	10	1.51
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	6	1.51
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	6	1.51
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	6	1.51
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	18	1.51
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	18	1.51
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	18	1.51
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	15	1.5
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	15	1.5
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	15	1.5
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	15	1.5
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	15	1.5
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	15	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD1	15	1.5
(1,3849)	1:71:A:VAL:HG11	1:73:A:PHE:HD2	15	1.5
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD1	15	1.5
(1,3849)	1:71:A:VAL:HG12	1:73:A:PHE:HD2	15	1.5
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD1	15	1.5
(1,3849)	1:71:A:VAL:HG13	1:73:A:PHE:HD2	15	1.5
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD11	10	1.5
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD12	10	1.5
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD13	10	1.5
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD11	10	1.5
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD12	10	1.5
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD13	10	1.5
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	2	1.5
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	2	1.5
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	2	1.5
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	2	1.5
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	2	1.5
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	2	1.5
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	4	1.5
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	4	1.5
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	4	1.5
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	4	1.5
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	4	1.5
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	4	1.5
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	2	1.5
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	2	1.5
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	2	1.5
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	4	1.5
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	17	1.5
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	7	1.5
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	5	1.5
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	5	1.5
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	5	1.5
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	15	1.5
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	15	1.5
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	15	1.5
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	15	1.5
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	15	1.5
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	15	1.5
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	15	1.5
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	15	1.5
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	15	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	8	1.5
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	8	1.5
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	8	1.5
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	8	1.5
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	8	1.5
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	8	1.5
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	8	1.5
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	8	1.5
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	8	1.5
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	20	1.5
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	20	1.5
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	20	1.5
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	20	1.5
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	20	1.5
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	20	1.5
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	20	1.5
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	20	1.5
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	20	1.5
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	19	1.5
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	19	1.5
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	19	1.5
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	19	1.5
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	19	1.5
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	19	1.5
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	10	1.5
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	10	1.5
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	10	1.5
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	18	1.5
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	18	1.5
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	18	1.5
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	2	1.5
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	2	1.5
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	2	1.5
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	2	1.5
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	2	1.5
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	2	1.5
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	2	1.5
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	2	1.5
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	2	1.5
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	15	1.5
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	15	1.5
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	15	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	15	1.5
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	15	1.5
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	15	1.5
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	15	1.5
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	15	1.5
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	15	1.5
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	14	1.5
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	14	1.5
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	14	1.5
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	14	1.5
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	14	1.5
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	14	1.5
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	17	1.5
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	10	1.5
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	10	1.5
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	10	1.5
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD11	19	1.49
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD12	19	1.49
(1,3848)	1:73:A:PHE:HD1	1:111:A:LEU:HD13	19	1.49
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD11	19	1.49
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD12	19	1.49
(1,3848)	1:73:A:PHE:HD2	1:111:A:LEU:HD13	19	1.49
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	2	1.49
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	3	1.49
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	16	1.49
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD21	10	1.49
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD22	10	1.49
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD23	10	1.49
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	13	1.49
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	13	1.49
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	13	1.49
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	14	1.49
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	14	1.49
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	14	1.49
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	20	1.49
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	20	1.49
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	20	1.49
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	16	1.49
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	16	1.49
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	16	1.49
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	16	1.49
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	16	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	16	1.49
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	16	1.49
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	16	1.49
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	16	1.49
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	11	1.49
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	11	1.49
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	11	1.49
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	13	1.49
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	13	1.49
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	13	1.49
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	2	1.49
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	2	1.49
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	2	1.49
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	2	1.49
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	2	1.49
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	2	1.49
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	2	1.49
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	2	1.49
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	2	1.49
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	7	1.49
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	7	1.49
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	7	1.49
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	11	1.49
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	11	1.49
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	11	1.49
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	13	1.49
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	13	1.49
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	13	1.49
(1,676)	1:52:A:VAL:HG11	1:54:A:PHE:H	9	1.49
(1,676)	1:52:A:VAL:HG12	1:54:A:PHE:H	9	1.49
(1,676)	1:52:A:VAL:HG13	1:54:A:PHE:H	9	1.49
(1,580)	1:85:A:VAL:HG21	1:101:A:VAL:H	4	1.49
(1,580)	1:85:A:VAL:HG22	1:101:A:VAL:H	4	1.49
(1,580)	1:85:A:VAL:HG23	1:101:A:VAL:H	4	1.49
(1,135)	1:124:A:LEU:HD21	1:129:A:ASN:H	13	1.49
(1,135)	1:124:A:LEU:HD22	1:129:A:ASN:H	13	1.49
(1,135)	1:124:A:LEU:HD23	1:129:A:ASN:H	13	1.49
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	12	1.48
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	12	1.48
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	12	1.48
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	12	1.48
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	12	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	12	1.48
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	6	1.48
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB1	1	1.48
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB2	1	1.48
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB3	1	1.48
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	1	1.48
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	12	1.48
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	13	1.48
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	13	1.48
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	13	1.48
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	17	1.48
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	17	1.48
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	17	1.48
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	7	1.48
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	7	1.48
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	7	1.48
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	19	1.48
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	19	1.48
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	19	1.48
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD11	6	1.48
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD12	6	1.48
(1,1797)	1:76:A:THR:HG21	1:86:A:LEU:HD13	6	1.48
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD11	6	1.48
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD12	6	1.48
(1,1797)	1:76:A:THR:HG22	1:86:A:LEU:HD13	6	1.48
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD11	6	1.48
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD12	6	1.48
(1,1797)	1:76:A:THR:HG23	1:86:A:LEU:HD13	6	1.48
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	14	1.48
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	14	1.48
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	14	1.48
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	3	1.48
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	3	1.48
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	3	1.48
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	15	1.48
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	15	1.48
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	15	1.48
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	10	1.48
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	10	1.48
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	10	1.48
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	18	1.48
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	18	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	18	1.48
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	5	1.48
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	5	1.48
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	5	1.48
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	13	1.48
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	13	1.48
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	13	1.48
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	1	1.48
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	1	1.48
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	1	1.48
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	5	1.48
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	5	1.48
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	5	1.48
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	5	1.48
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	5	1.48
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	5	1.48
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG21	20	1.48
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG22	20	1.48
(1,451)	1:40:A:ALA:H	1:181:A:VAL:HG23	20	1.48
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	4	1.47
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	4	1.47
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	4	1.47
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	4	1.47
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	4	1.47
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	4	1.47
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	6	1.47
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	6	1.47
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	6	1.47
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	6	1.47
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	6	1.47
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	6	1.47
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	9	1.47
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	4	1.47
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	4	1.47
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	4	1.47
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	4	1.47
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	4	1.47
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	4	1.47
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	5	1.47
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	3	1.47
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	3	1.47
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	3	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	15	1.47
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	15	1.47
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	15	1.47
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	7	1.47
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	7	1.47
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	7	1.47
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	2	1.47
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	2	1.47
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	2	1.47
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	15	1.47
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	15	1.47
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	15	1.47
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	5	1.47
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	5	1.47
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	5	1.47
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	12	1.47
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	12	1.47
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	12	1.47
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	20	1.47
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	20	1.47
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	20	1.47
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	20	1.47
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	20	1.47
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	20	1.47
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	1	1.47
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	1	1.47
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	1	1.47
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	1	1.47
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	1	1.47
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	1	1.47
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	1	1.47
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	1	1.47
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	1	1.47
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	15	1.47
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	15	1.47
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	15	1.47
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG21	7	1.47
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG22	7	1.47
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG23	7	1.47
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	3	1.47
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	3	1.47
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	3	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	16	1.47
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	16	1.47
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	16	1.47
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	17	1.47
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	17	1.47
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	17	1.47
(1,49)	1:23:A:VAL:HG21	1:57:A:GLN:H	5	1.47
(1,49)	1:23:A:VAL:HG22	1:57:A:GLN:H	5	1.47
(1,49)	1:23:A:VAL:HG23	1:57:A:GLN:H	5	1.47
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	6	1.47
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	6	1.47
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	6	1.47
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD1	4	1.46
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD2	4	1.46
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD1	4	1.46
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD2	4	1.46
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD1	4	1.46
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD2	4	1.46
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	13	1.46
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	14	1.46
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	16	1.46
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	16	1.46
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	16	1.46
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	7	1.46
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	7	1.46
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	7	1.46
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	7	1.46
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	7	1.46
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	7	1.46
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	9	1.46
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	10	1.46
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	8	1.46
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	8	1.46
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	8	1.46
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	18	1.46
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	18	1.46
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	18	1.46
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	9	1.46
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	9	1.46
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	9	1.46
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	9	1.46
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	9	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	9	1.46
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	9	1.46
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	9	1.46
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	9	1.46
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	4	1.46
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	4	1.46
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	4	1.46
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	7	1.46
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	7	1.46
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	7	1.46
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	13	1.46
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	13	1.46
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	13	1.46
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	20	1.46
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	20	1.46
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	20	1.46
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	1	1.46
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	1	1.46
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	1	1.46
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	15	1.46
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	15	1.46
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	15	1.46
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	15	1.46
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	15	1.46
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	15	1.46
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	15	1.46
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	15	1.46
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	15	1.46
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	14	1.46
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	14	1.46
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	14	1.46
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	11	1.46
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	11	1.46
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	11	1.46
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	16	1.46
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	16	1.46
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	16	1.46
(1,1698)	1:71:A:VAL:HG11	1:73:A:PHE:H	5	1.46
(1,1698)	1:71:A:VAL:HG12	1:73:A:PHE:H	5	1.46
(1,1698)	1:71:A:VAL:HG13	1:73:A:PHE:H	5	1.46
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	1	1.46
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	1	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	1	1.46
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	5	1.46
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	5	1.46
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	5	1.46
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	14	1.46
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	14	1.46
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	14	1.46
(1,1117)	1:34:A:LEU:HD21	1:179:A:GLY:H	4	1.46
(1,1117)	1:34:A:LEU:HD22	1:179:A:GLY:H	4	1.46
(1,1117)	1:34:A:LEU:HD23	1:179:A:GLY:H	4	1.46
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	2	1.46
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	2	1.46
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	2	1.46
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	18	1.46
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	18	1.46
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	18	1.46
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD1	11	1.45
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD2	11	1.45
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD1	11	1.45
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD2	11	1.45
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD1	11	1.45
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD2	11	1.45
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	3	1.45
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	3	1.45
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	3	1.45
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	3	1.45
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	3	1.45
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	3	1.45
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	13	1.45
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	13	1.45
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	13	1.45
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	13	1.45
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	13	1.45
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	13	1.45
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	5	1.45
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	16	1.45
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	16	1.45
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	16	1.45
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	19	1.45
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	19	1.45
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	19	1.45
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	4	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	4	1.45
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	4	1.45
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	19	1.45
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	19	1.45
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	19	1.45
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	13	1.45
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	13	1.45
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	13	1.45
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	13	1.45
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	13	1.45
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	13	1.45
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	13	1.45
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	13	1.45
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	13	1.45
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	7	1.45
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	7	1.45
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	7	1.45
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	11	1.45
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	11	1.45
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	11	1.45
(1,1969)	1:16:A:VAL:HG21	1:18:A:ASN:HB3	14	1.45
(1,1969)	1:16:A:VAL:HG22	1:18:A:ASN:HB3	14	1.45
(1,1969)	1:16:A:VAL:HG23	1:18:A:ASN:HB3	14	1.45
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG21	11	1.45
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG22	11	1.45
(1,1687)	1:39:A:THR:HB	1:181:A:VAL:HG23	11	1.45
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG21	18	1.45
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG22	18	1.45
(1,1683)	1:39:A:THR:H	1:181:A:VAL:HG23	18	1.45
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	7	1.45
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	7	1.45
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	7	1.45
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	19	1.45
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	19	1.45
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	19	1.45
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	19	1.45
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	19	1.45
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	19	1.45
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	9	1.45
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	9	1.45
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	9	1.45
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	8	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	8	1.45
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	8	1.45
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	2	1.45
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	2	1.45
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	2	1.45
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	11	1.45
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	11	1.45
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	11	1.45
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	12	1.44
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	12	1.44
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	12	1.44
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	11	1.44
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	10	1.44
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	10	1.44
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	10	1.44
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	20	1.44
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	20	1.44
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	20	1.44
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	18	1.44
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	18	1.44
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	18	1.44
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	5	1.44
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	5	1.44
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	5	1.44
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	4	1.44
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	4	1.44
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	4	1.44
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	11	1.44
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	11	1.44
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	11	1.44
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	9	1.44
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	9	1.44
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	9	1.44
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	18	1.44
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	18	1.44
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	18	1.44
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	16	1.44
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	16	1.44
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	16	1.44
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	16	1.44
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	16	1.44
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	16	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	20	1.44
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	20	1.44
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	20	1.44
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	10	1.44
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	10	1.44
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	10	1.44
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	6	1.44
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	9	1.44
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	11	1.44
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	6	1.44
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	6	1.44
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	6	1.44
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	18	1.44
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD21	8	1.44
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD22	8	1.44
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD23	8	1.44
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG11	4	1.43
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG12	4	1.43
(1,3992)	1:158:A:TYR:HE1	1:170:A:VAL:HG13	4	1.43
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG11	4	1.43
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG12	4	1.43
(1,3992)	1:158:A:TYR:HE2	1:170:A:VAL:HG13	4	1.43
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	12	1.43
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	12	1.43
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	12	1.43
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	12	1.43
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	12	1.43
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	12	1.43
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	1	1.43
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	1	1.43
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	3	1.43
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	3	1.43
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	3	1.43
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	4	1.43
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	4	1.43
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	4	1.43
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	7	1.43
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	7	1.43
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	7	1.43
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	7	1.43
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	7	1.43
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	7	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	7	1.43
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	7	1.43
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	7	1.43
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	7	1.43
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	7	1.43
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	7	1.43
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	18	1.43
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	18	1.43
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	18	1.43
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	18	1.43
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	18	1.43
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	18	1.43
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	18	1.43
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	18	1.43
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	18	1.43
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	14	1.43
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	14	1.43
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	14	1.43
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG21	10	1.43
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG22	10	1.43
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG23	10	1.43
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG21	10	1.43
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG22	10	1.43
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG23	10	1.43
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG21	10	1.43
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG22	10	1.43
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG23	10	1.43
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	20	1.43
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	20	1.43
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	20	1.43
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	1	1.43
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	1	1.43
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	1	1.43
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	4	1.43
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	4	1.43
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	4	1.43
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	16	1.43
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	16	1.43
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	16	1.43
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	16	1.43
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	16	1.43
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	16	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	16	1.43
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	16	1.43
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	16	1.43
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	20	1.43
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	20	1.43
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	20	1.43
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	20	1.43
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	20	1.43
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	20	1.43
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	11	1.43
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	11	1.43
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	11	1.43
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	11	1.43
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	11	1.43
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	11	1.43
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	11	1.43
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	11	1.43
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	11	1.43
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	7	1.43
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	7	1.43
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	7	1.43
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	7	1.43
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	7	1.43
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	7	1.43
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	2	1.43
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	7	1.43
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	3	1.43
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	3	1.43
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	3	1.43
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	20	1.42
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	13	1.42
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	13	1.42
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	13	1.42
(1,3497)	1:106:A:ARG:HB2	1:132:A:PRO:HD2	16	1.42
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	8	1.42
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	8	1.42
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	8	1.42
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	8	1.42
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	8	1.42
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	8	1.42
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	7	1.42
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	5	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	5	1.42
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	5	1.42
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	8	1.42
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	8	1.42
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	8	1.42
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	15	1.42
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	15	1.42
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	15	1.42
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	10	1.42
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	10	1.42
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	10	1.42
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	12	1.42
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	12	1.42
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	12	1.42
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	15	1.42
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	15	1.42
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	15	1.42
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	15	1.42
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	15	1.42
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	15	1.42
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	15	1.42
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	15	1.42
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	15	1.42
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	17	1.42
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	17	1.42
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	17	1.42
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	8	1.42
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	8	1.42
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	8	1.42
(1,1698)	1:71:A:VAL:HG11	1:73:A:PHE:H	4	1.42
(1,1698)	1:71:A:VAL:HG12	1:73:A:PHE:H	4	1.42
(1,1698)	1:71:A:VAL:HG13	1:73:A:PHE:H	4	1.42
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	18	1.42
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	18	1.42
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	18	1.42
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB2	9	1.42
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB3	9	1.42
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB2	9	1.42
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB3	9	1.42
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB2	9	1.42
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB3	9	1.42
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	8	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	8	1.42
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	8	1.42
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	16	1.42
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	16	1.42
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	16	1.42
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	8	1.42
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	8	1.42
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	8	1.42
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	11	1.42
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	11	1.42
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	11	1.42
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	14	1.42
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	16	1.42
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	16	1.42
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	16	1.42
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	12	1.42
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD11	9	1.42
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD12	9	1.42
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD13	9	1.42
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	6	1.41
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	6	1.41
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	6	1.41
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	6	1.41
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	6	1.41
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	6	1.41
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	16	1.41
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	16	1.41
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	16	1.41
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	16	1.41
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	16	1.41
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	16	1.41
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	18	1.41
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	18	1.41
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	18	1.41
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	18	1.41
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	18	1.41
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	18	1.41
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	5	1.41
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	5	1.41
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	5	1.41
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	7	1.41
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	15	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	4	1.41
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	4	1.41
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	4	1.41
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	4	1.41
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	4	1.41
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	4	1.41
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	4	1.41
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	4	1.41
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	4	1.41
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	3	1.41
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	3	1.41
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	3	1.41
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	5	1.41
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	5	1.41
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	5	1.41
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	6	1.41
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	6	1.41
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	6	1.41
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG21	3	1.41
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG22	3	1.41
(1,2112)	1:70:A:ALA:H	1:156:A:VAL:HG23	3	1.41
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	2	1.41
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	2	1.41
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	2	1.41
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	8	1.41
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	8	1.41
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	8	1.41
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	11	1.41
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	11	1.41
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	11	1.41
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	14	1.41
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	14	1.41
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	14	1.41
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	18	1.41
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	18	1.41
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	18	1.41
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	13	1.41
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	13	1.41
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	13	1.41
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	9	1.41
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	9	1.41
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	9	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	7	1.41
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	7	1.41
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	7	1.41
(1,1559)	1:104:A:LEU:HD11	1:111:A:LEU:H	12	1.41
(1,1559)	1:104:A:LEU:HD12	1:111:A:LEU:H	12	1.41
(1,1559)	1:104:A:LEU:HD13	1:111:A:LEU:H	12	1.41
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	10	1.41
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	10	1.41
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	10	1.41
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	10	1.41
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	10	1.41
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	10	1.41
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	1	1.41
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	19	1.4
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	19	1.4
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	19	1.4
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	19	1.4
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	19	1.4
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	19	1.4
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	4	1.4
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	4	1.4
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	4	1.4
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	9	1.4
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	9	1.4
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	9	1.4
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	10	1.4
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	4	1.4
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	4	1.4
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	4	1.4
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	1	1.4
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	1	1.4
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	1	1.4
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	4	1.4
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	4	1.4
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	4	1.4
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	13	1.4
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	13	1.4
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	13	1.4
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG21	15	1.4
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG22	15	1.4
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG23	15	1.4
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	5	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	5	1.4
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	5	1.4
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	8	1.4
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	8	1.4
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	8	1.4
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	20	1.4
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	20	1.4
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	20	1.4
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	19	1.4
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	19	1.4
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	19	1.4
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB2	17	1.4
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB3	17	1.4
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB2	17	1.4
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB3	17	1.4
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB2	17	1.4
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB3	17	1.4
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	4	1.4
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	4	1.4
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	4	1.4
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	1	1.4
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	1	1.4
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	1	1.4
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	10	1.4
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	10	1.4
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	10	1.4
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	10	1.4
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	10	1.4
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	10	1.4
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	10	1.4
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	10	1.4
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	10	1.4
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	11	1.4
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	11	1.4
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	11	1.4
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	15	1.4
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	15	1.4
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	15	1.4
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	14	1.4
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	14	1.4
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	14	1.4
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG11	19	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG12	19	1.4
(1,27)	1:148:A:ALA:H	1:181:A:VAL:HG13	19	1.4
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD1	9	1.39
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD2	9	1.39
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD1	9	1.39
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD2	9	1.39
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD1	9	1.39
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD2	9	1.39
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	9	1.39
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	9	1.39
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	9	1.39
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	9	1.39
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	9	1.39
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	9	1.39
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	4	1.39
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	4	1.39
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	4	1.39
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	4	1.39
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	4	1.39
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	4	1.39
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	8	1.39
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	15	1.39
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	15	1.39
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	15	1.39
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	9	1.39
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	9	1.39
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	9	1.39
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	5	1.39
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	5	1.39
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	5	1.39
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	6	1.39
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	6	1.39
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	6	1.39
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	13	1.39
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	13	1.39
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	13	1.39
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	13	1.39
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	13	1.39
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	13	1.39
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	1	1.39
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	1	1.39
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	1	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	1	1.39
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	1	1.39
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	1	1.39
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	1	1.39
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	1	1.39
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	1	1.39
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	6	1.39
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	6	1.39
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	6	1.39
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	6	1.39
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	6	1.39
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	6	1.39
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	6	1.39
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	6	1.39
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	6	1.39
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	7	1.39
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	7	1.39
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	7	1.39
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	7	1.39
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	7	1.39
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	7	1.39
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	7	1.39
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	7	1.39
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	7	1.39
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	11	1.39
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	11	1.39
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	11	1.39
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	11	1.39
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	11	1.39
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	11	1.39
(1,1698)	1:71:A:VAL:HG11	1:73:A:PHE:H	19	1.39
(1,1698)	1:71:A:VAL:HG12	1:73:A:PHE:H	19	1.39
(1,1698)	1:71:A:VAL:HG13	1:73:A:PHE:H	19	1.39
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	6	1.39
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	6	1.39
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	6	1.39
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	20	1.39
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	20	1.39
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	20	1.39
(1,1658)	1:71:A:VAL:HG11	1:155:A:LYS:H	10	1.39
(1,1658)	1:71:A:VAL:HG12	1:155:A:LYS:H	10	1.39
(1,1658)	1:71:A:VAL:HG13	1:155:A:LYS:H	10	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	4	1.39
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	4	1.39
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	4	1.39
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	2	1.39
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	2	1.39
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	2	1.39
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	2	1.39
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	2	1.39
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	2	1.39
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	2	1.39
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	2	1.39
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	2	1.39
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	6	1.39
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	11	1.39
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	13	1.39
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	4	1.39
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	4	1.39
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	4	1.39
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	4	1.39
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	4	1.39
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	4	1.39
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD11	15	1.39
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD12	15	1.39
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD13	15	1.39
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	5	1.39
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	5	1.39
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	5	1.39
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	13	1.39
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	13	1.39
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	13	1.39
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	12	1.39
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	12	1.39
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	12	1.39
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	19	1.39
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	19	1.39
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	19	1.39
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	5	1.38
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	5	1.38
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	5	1.38
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	5	1.38
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	5	1.38
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	5	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	15	1.38
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	15	1.38
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	15	1.38
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	15	1.38
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	15	1.38
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	15	1.38
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	2	1.38
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	2	1.38
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	2	1.38
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	2	1.38
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	2	1.38
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	2	1.38
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	17	1.38
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	17	1.38
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	17	1.38
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	19	1.38
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	19	1.38
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	19	1.38
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	5	1.38
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	11	1.38
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	11	1.38
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	11	1.38
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	12	1.38
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	12	1.38
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	12	1.38
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG11	18	1.38
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG12	18	1.38
(1,2410)	1:39:A:THR:H	1:182:A:VAL:HG13	18	1.38
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	4	1.38
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	4	1.38
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	4	1.38
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	4	1.38
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	4	1.38
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	4	1.38
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	4	1.38
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	4	1.38
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	4	1.38
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	4	1.38
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	4	1.38
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	4	1.38
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	10	1.38
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	10	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	10	1.38
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	18	1.38
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	18	1.38
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	18	1.38
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	19	1.38
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	19	1.38
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	19	1.38
(1,1969)	1:16:A:VAL:HG21	1:18:A:ASN:HB3	20	1.38
(1,1969)	1:16:A:VAL:HG22	1:18:A:ASN:HB3	20	1.38
(1,1969)	1:16:A:VAL:HG23	1:18:A:ASN:HB3	20	1.38
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	2	1.38
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	2	1.38
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	2	1.38
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	12	1.38
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	12	1.38
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	12	1.38
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	16	1.38
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	16	1.38
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	16	1.38
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	20	1.38
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	20	1.38
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	20	1.38
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	20	1.38
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	20	1.38
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	20	1.38
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	20	1.38
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	20	1.38
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	20	1.38
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	9	1.38
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	9	1.38
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	9	1.38
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	16	1.38
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	16	1.38
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	16	1.38
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	18	1.38
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	18	1.38
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	18	1.38
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	19	1.38
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	19	1.38
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	19	1.38
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	11	1.38
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	11	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	11	1.38
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	16	1.38
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	16	1.38
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	16	1.38
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	1	1.38
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	1	1.38
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	1	1.38
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	15	1.38
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	15	1.38
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	15	1.38
(1,966)	1:16:A:VAL:HG21	1:18:A:ASN:HD21	6	1.38
(1,966)	1:16:A:VAL:HG22	1:18:A:ASN:HD21	6	1.38
(1,966)	1:16:A:VAL:HG23	1:18:A:ASN:HD21	6	1.38
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	10	1.38
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	10	1.38
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	10	1.38
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	10	1.38
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD1	19	1.37
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD2	19	1.37
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD1	19	1.37
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD2	19	1.37
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD1	19	1.37
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD2	19	1.37
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	1	1.37
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	1	1.37
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	1	1.37
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	1	1.37
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	1	1.37
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	1	1.37
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	10	1.37
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	10	1.37
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	10	1.37
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	10	1.37
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	10	1.37
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	10	1.37
(1,3793)	1:99:A:VAL:HA	1:137:A:TYR:HB2	19	1.37
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	1	1.37
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	1	1.37
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	1	1.37
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	20	1.37
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	20	1.37
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	20	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3518)	1:120:A:SER:HB2	1:133:A:PHE:HE1	11	1.37
(1,3518)	1:120:A:SER:HB2	1:133:A:PHE:HE2	11	1.37
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	9	1.37
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	9	1.37
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	9	1.37
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	5	1.37
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	5	1.37
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	5	1.37
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	5	1.37
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	5	1.37
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	5	1.37
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	5	1.37
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	5	1.37
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	5	1.37
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	2	1.37
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	2	1.37
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	2	1.37
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	18	1.37
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	18	1.37
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	18	1.37
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG21	14	1.37
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG22	14	1.37
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG23	14	1.37
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	12	1.37
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	12	1.37
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	12	1.37
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	6	1.37
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	6	1.37
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	6	1.37
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	8	1.37
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	8	1.37
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	8	1.37
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	13	1.37
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	13	1.37
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	13	1.37
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG21	1	1.37
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG22	1	1.37
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG23	1	1.37
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	20	1.37
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	20	1.37
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	20	1.37
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	1	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	1	1.37
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	1	1.37
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	12	1.37
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	6	1.37
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	6	1.37
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	6	1.37
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	8	1.37
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	8	1.37
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	8	1.37
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	20	1.36
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	20	1.36
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	20	1.36
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	20	1.36
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	20	1.36
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	20	1.36
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	5	1.36
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	5	1.36
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	5	1.36
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	18	1.36
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	18	1.36
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	18	1.36
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	6	1.36
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	6	1.36
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	6	1.36
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	2	1.36
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	2	1.36
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	2	1.36
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	18	1.36
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	18	1.36
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	18	1.36
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	5	1.36
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	17	1.36
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	5	1.36
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	5	1.36
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	5	1.36
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	19	1.36
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	19	1.36
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	19	1.36
(1,1975)	1:124:A:LEU:HD21	1:129:A:ASN:HB2	18	1.36
(1,1975)	1:124:A:LEU:HD22	1:129:A:ASN:HB2	18	1.36
(1,1975)	1:124:A:LEU:HD23	1:129:A:ASN:HB2	18	1.36
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG21	8	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG22	8	1.36
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG23	8	1.36
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG21	19	1.36
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG22	19	1.36
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG23	19	1.36
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	11	1.36
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	11	1.36
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	11	1.36
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	16	1.36
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	16	1.36
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	16	1.36
(1,1660)	1:71:A:VAL:HG11	1:73:A:PHE:HZ	15	1.36
(1,1660)	1:71:A:VAL:HG12	1:73:A:PHE:HZ	15	1.36
(1,1660)	1:71:A:VAL:HG13	1:73:A:PHE:HZ	15	1.36
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	16	1.36
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	16	1.36
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	16	1.36
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	16	1.36
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	16	1.36
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	16	1.36
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	16	1.36
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	16	1.36
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	16	1.36
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	8	1.36
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	8	1.36
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	8	1.36
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	10	1.36
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	10	1.36
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	10	1.36
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	5	1.36
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	15	1.36
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	8	1.36
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	8	1.36
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	8	1.36
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	16	1.36
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	16	1.36
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	16	1.36
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	7	1.36
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	7	1.36
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	7	1.36
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	19	1.36
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	19	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	19	1.36
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD11	13	1.36
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD12	13	1.36
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD13	13	1.36
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	5	1.36
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	5	1.36
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	5	1.36
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	13	1.36
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	13	1.36
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	13	1.36
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	17	1.36
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	4	1.36
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	4	1.36
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	4	1.36
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	15	1.36
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	15	1.36
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	15	1.36
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	20	1.35
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	12	1.35
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	12	1.35
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	12	1.35
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	7	1.35
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	7	1.35
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	7	1.35
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	7	1.35
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	7	1.35
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	7	1.35
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	7	1.35
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	7	1.35
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	7	1.35
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	12	1.35
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	12	1.35
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	12	1.35
(1,2384)	1:42:A:LEU:HD11	1:47:A:ALA:HA	3	1.35
(1,2384)	1:42:A:LEU:HD12	1:47:A:ALA:HA	3	1.35
(1,2384)	1:42:A:LEU:HD13	1:47:A:ALA:HA	3	1.35
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	17	1.35
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	17	1.35
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	17	1.35
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	6	1.35
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	6	1.35
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	6	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	9	1.35
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	9	1.35
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	9	1.35
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	9	1.35
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	9	1.35
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	9	1.35
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	9	1.35
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	9	1.35
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	9	1.35
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	13	1.35
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	13	1.35
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	13	1.35
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG21	1	1.35
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG22	1	1.35
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG23	1	1.35
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	2	1.35
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	2	1.35
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	2	1.35
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	7	1.35
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	7	1.35
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	7	1.35
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	15	1.35
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	15	1.35
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	15	1.35
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	2	1.35
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	2	1.35
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	2	1.35
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	7	1.35
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	7	1.35
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	7	1.35
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	13	1.35
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	13	1.35
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	13	1.35
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	1	1.35
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	8	1.35
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	2	1.35
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	2	1.35
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	2	1.35
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	2	1.35
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	2	1.35
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	2	1.35
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	3	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	3	1.35
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	3	1.35
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	17	1.35
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	17	1.35
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	17	1.35
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	20	1.35
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	20	1.35
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	20	1.35
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	6	1.35
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	7	1.34
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	7	1.34
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	7	1.34
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	7	1.34
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	7	1.34
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	7	1.34
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	15	1.34
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	15	1.34
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	15	1.34
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	16	1.34
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	16	1.34
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	16	1.34
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD21	15	1.34
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD22	15	1.34
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD23	15	1.34
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	3	1.34
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	3	1.34
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	3	1.34
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	7	1.34
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	14	1.34
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	14	1.34
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	14	1.34
(1,2373)	1:124:A:LEU:HD21	1:129:A:ASN:HA	9	1.34
(1,2373)	1:124:A:LEU:HD22	1:129:A:ASN:HA	9	1.34
(1,2373)	1:124:A:LEU:HD23	1:129:A:ASN:HA	9	1.34
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	17	1.34
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	17	1.34
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	17	1.34
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	13	1.34
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	13	1.34
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	13	1.34
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	13	1.34
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	13	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	13	1.34
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	13	1.34
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	13	1.34
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	13	1.34
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	4	1.34
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	4	1.34
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	4	1.34
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	3	1.34
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	3	1.34
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	3	1.34
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	3	1.34
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	3	1.34
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	3	1.34
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	3	1.34
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	3	1.34
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	3	1.34
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	18	1.34
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	18	1.34
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	18	1.34
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	13	1.34
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	13	1.34
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	13	1.34
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	12	1.34
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	12	1.34
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	12	1.34
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	1	1.34
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	1	1.34
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	1	1.34
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	10	1.34
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	10	1.34
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	10	1.34
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	6	1.34
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	6	1.34
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	6	1.34
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	2	1.34
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	2	1.34
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	2	1.34
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	11	1.34
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	11	1.34
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	11	1.34
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	10	1.34
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	15	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	15	1.34
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	15	1.34
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	8	1.34
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	8	1.34
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	8	1.34
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	3	1.34
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	3	1.34
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	3	1.34
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	20	1.34
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	20	1.34
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	20	1.34
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	1	1.34
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	1	1.34
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	1	1.34
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	9	1.34
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	9	1.34
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	9	1.34
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	3	1.34
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	7	1.34
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	6	1.34
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	3	1.34
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	3	1.34
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	3	1.34
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	7	1.33
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	7	1.33
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	7	1.33
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	7	1.33
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	7	1.33
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	7	1.33
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	6	1.33
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	6	1.33
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	6	1.33
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	11	1.33
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	14	1.33
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	14	1.33
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	14	1.33
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	14	1.33
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	20	1.33
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	20	1.33
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	20	1.33
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	4	1.33
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	4	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	4	1.33
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	9	1.33
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	9	1.33
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	9	1.33
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	9	1.33
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	9	1.33
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	9	1.33
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	9	1.33
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	9	1.33
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	9	1.33
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	19	1.33
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	19	1.33
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	19	1.33
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	19	1.33
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	19	1.33
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	19	1.33
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	19	1.33
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	19	1.33
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	19	1.33
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	3	1.33
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	3	1.33
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	3	1.33
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	8	1.33
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	8	1.33
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	8	1.33
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	15	1.33
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	15	1.33
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	15	1.33
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	20	1.33
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	20	1.33
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	20	1.33
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	5	1.33
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	5	1.33
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	5	1.33
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	13	1.33
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	13	1.33
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	13	1.33
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	17	1.33
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	17	1.33
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	17	1.33
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	14	1.33
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	14	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	14	1.33
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	14	1.33
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	14	1.33
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	14	1.33
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	8	1.33
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	8	1.33
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	8	1.33
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	8	1.33
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	8	1.33
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	8	1.33
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	8	1.33
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	8	1.33
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	8	1.33
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	7	1.33
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	7	1.33
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	7	1.33
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	16	1.33
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	16	1.33
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	16	1.33
(1,957)	1:155:A:LYS:HE2	1:171:A:ASN:HD21	19	1.33
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	1	1.33
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	1	1.33
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	1	1.33
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	18	1.33
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	18	1.33
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	18	1.33
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	15	1.33
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	15	1.33
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	15	1.33
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	2	1.33
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	2	1.33
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	2	1.33
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	1	1.32
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	1	1.32
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	1	1.32
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	1	1.32
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	1	1.32
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	1	1.32
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	3	1.32
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	2	1.32
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	16	1.32
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	13	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	13	1.32
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	13	1.32
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG21	19	1.32
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG22	19	1.32
(1,2496)	1:101:A:VAL:HG21	1:103:A:ILE:HG23	19	1.32
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG21	19	1.32
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG22	19	1.32
(1,2496)	1:101:A:VAL:HG22	1:103:A:ILE:HG23	19	1.32
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG21	19	1.32
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG22	19	1.32
(1,2496)	1:101:A:VAL:HG23	1:103:A:ILE:HG23	19	1.32
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	10	1.32
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	10	1.32
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	10	1.32
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	10	1.32
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	10	1.32
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	10	1.32
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	10	1.32
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	10	1.32
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	10	1.32
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	18	1.32
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	18	1.32
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	18	1.32
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	18	1.32
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	18	1.32
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	18	1.32
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	18	1.32
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	18	1.32
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	18	1.32
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	12	1.32
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	12	1.32
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	12	1.32
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	17	1.32
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	17	1.32
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	17	1.32
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	12	1.32
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	12	1.32
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	12	1.32
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	7	1.32
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	7	1.32
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	7	1.32
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	8	1.32
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	8	1.32
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB2	2	1.32
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB3	2	1.32
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB2	2	1.32
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB3	2	1.32
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB2	2	1.32
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB3	2	1.32
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB2	8	1.32
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB3	8	1.32
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB2	8	1.32
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB3	8	1.32
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB2	8	1.32
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB3	8	1.32
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	3	1.32
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	3	1.32
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	3	1.32
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	5	1.32
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	5	1.32
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	5	1.32
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	13	1.32
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	13	1.32
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	13	1.32
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	9	1.32
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	14	1.32
(1,1323)	1:111:A:LEU:HD21	1:118:A:PHE:HA	19	1.32
(1,1323)	1:111:A:LEU:HD22	1:118:A:PHE:HA	19	1.32
(1,1323)	1:111:A:LEU:HD23	1:118:A:PHE:HA	19	1.32
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	15	1.32
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	15	1.32
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	15	1.32
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG11	5	1.32
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG12	5	1.32
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG13	5	1.32
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	1	1.32
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	1	1.32
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	1	1.32
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	7	1.32
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	7	1.32
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	7	1.32
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	12	1.32
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	12	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	12	1.32
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	10	1.31
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	10	1.31
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	10	1.31
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	14	1.31
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	14	1.31
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	14	1.31
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	1	1.31
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	1	1.31
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	1	1.31
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	6	1.31
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	6	1.31
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	6	1.31
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	1	1.31
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	1	1.31
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	1	1.31
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	19	1.31
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	19	1.31
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	19	1.31
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	12	1.31
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	12	1.31
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	12	1.31
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	19	1.31
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	19	1.31
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	19	1.31
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	11	1.31
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	11	1.31
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	11	1.31
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	11	1.31
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	11	1.31
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	11	1.31
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	11	1.31
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	11	1.31
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	11	1.31
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	1	1.31
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	1	1.31
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	1	1.31
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	11	1.31
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	11	1.31
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	11	1.31
(1,1975)	1:124:A:LEU:HD21	1:129:A:ASN:HB2	10	1.31
(1,1975)	1:124:A:LEU:HD22	1:129:A:ASN:HB2	10	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:124:A:LEU:HD23	1:129:A:ASN:HB2	10	1.31
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	17	1.31
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	17	1.31
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	17	1.31
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	17	1.31
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	17	1.31
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	17	1.31
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	6	1.31
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	6	1.31
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	6	1.31
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	17	1.31
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	17	1.31
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	17	1.31
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	9	1.31
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	9	1.31
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	9	1.31
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	5	1.31
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	5	1.31
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	5	1.31
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	16	1.31
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	16	1.31
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	16	1.31
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	20	1.31
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	20	1.31
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	20	1.31
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	19	1.31
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	15	1.31
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	15	1.31
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	15	1.31
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	15	1.31
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	15	1.31
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	15	1.31
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	8	1.31
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	8	1.31
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	8	1.31
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	8	1.31
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	8	1.31
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	8	1.31
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	11	1.31
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	11	1.31
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	11	1.31
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	17	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	17	1.31
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	17	1.31
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	10	1.31
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	16	1.31
(1,281)	1:42:A:LEU:HD11	1:47:A:ALA:H	10	1.31
(1,281)	1:42:A:LEU:HD12	1:47:A:ALA:H	10	1.31
(1,281)	1:42:A:LEU:HD13	1:47:A:ALA:H	10	1.31
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	17	1.31
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	17	1.31
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	17	1.31
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	15	1.31
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	19	1.31
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	17	1.3
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	17	1.3
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	17	1.3
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	17	1.3
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	17	1.3
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	17	1.3
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	10	1.3
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	10	1.3
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	10	1.3
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG2	16	1.3
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG3	16	1.3
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	7	1.3
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	7	1.3
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	7	1.3
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	16	1.3
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	16	1.3
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	16	1.3
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	17	1.3
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	17	1.3
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	17	1.3
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	19	1.3
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	19	1.3
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	19	1.3
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	2	1.3
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	2	1.3
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	2	1.3
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	2	1.3
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	2	1.3
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	2	1.3
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	2	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	2	1.3
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	2	1.3
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	4	1.3
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	4	1.3
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	4	1.3
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	4	1.3
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	4	1.3
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	4	1.3
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	4	1.3
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	4	1.3
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	4	1.3
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG21	14	1.3
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG22	14	1.3
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG23	14	1.3
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG21	14	1.3
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG22	14	1.3
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG23	14	1.3
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG21	14	1.3
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG22	14	1.3
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG23	14	1.3
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	3	1.3
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	3	1.3
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	3	1.3
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	4	1.3
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	4	1.3
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	4	1.3
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	4	1.3
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	4	1.3
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	4	1.3
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	12	1.3
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	12	1.3
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	12	1.3
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB2	4	1.3
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB3	4	1.3
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB2	4	1.3
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB3	4	1.3
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB2	4	1.3
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB3	4	1.3
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	10	1.3
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	10	1.3
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	10	1.3
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG21	5	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG22	5	1.3
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG23	5	1.3
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	6	1.3
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	6	1.3
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	6	1.3
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	8	1.3
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	8	1.3
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	8	1.3
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	8	1.3
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	8	1.3
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	8	1.3
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	8	1.3
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	8	1.3
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	8	1.3
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	7	1.3
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	13	1.3
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	13	1.3
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	13	1.3
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	8	1.3
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	8	1.3
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	8	1.3
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	6	1.3
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	6	1.3
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	6	1.3
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	6	1.3
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	6	1.3
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	6	1.3
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	13	1.3
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	13	1.3
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	13	1.3
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	9	1.3
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	9	1.3
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	9	1.3
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	1	1.3
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	1	1.3
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	1	1.3
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	4	1.29
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	4	1.29
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	4	1.29
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	4	1.29
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	4	1.29
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	4	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	10	1.29
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	10	1.29
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	10	1.29
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	10	1.29
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	10	1.29
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	10	1.29
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	20	1.29
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	20	1.29
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	20	1.29
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	20	1.29
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	20	1.29
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	20	1.29
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	4	1.29
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	4	1.29
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	4	1.29
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	3	1.29
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	3	1.29
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	3	1.29
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	16	1.29
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	16	1.29
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	16	1.29
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	4	1.29
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	4	1.29
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	4	1.29
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	4	1.29
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	4	1.29
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	4	1.29
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	4	1.29
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	4	1.29
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	4	1.29
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG11	7	1.29
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG12	7	1.29
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG13	7	1.29
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	17	1.29
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	17	1.29
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	17	1.29
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	19	1.29
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	19	1.29
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	19	1.29
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG21	1	1.29
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG22	1	1.29
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG23	1	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG21	20	1.29
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG22	20	1.29
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG23	20	1.29
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	8	1.29
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	8	1.29
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	8	1.29
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	15	1.29
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	15	1.29
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	15	1.29
(1,1698)	1:71:A:VAL:HG11	1:73:A:PHE:H	17	1.29
(1,1698)	1:71:A:VAL:HG12	1:73:A:PHE:H	17	1.29
(1,1698)	1:71:A:VAL:HG13	1:73:A:PHE:H	17	1.29
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	8	1.29
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	8	1.29
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	8	1.29
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	14	1.29
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	14	1.29
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	14	1.29
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	1	1.29
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	1	1.29
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	1	1.29
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	2	1.29
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	2	1.29
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	2	1.29
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	9	1.29
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	9	1.29
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	9	1.29
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	15	1.29
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	15	1.29
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	15	1.29
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	17	1.29
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	17	1.29
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	17	1.29
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	20	1.29
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	20	1.29
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	20	1.29
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	11	1.29
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	11	1.29
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	11	1.29
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	20	1.29
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	20	1.29
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	20	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	1	1.29
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	1	1.29
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	1	1.29
(1,1419)	1:105:A:ASP:HB3	1:106:A:ARG:HA	20	1.29
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	9	1.29
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	9	1.29
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	9	1.29
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	9	1.29
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	9	1.29
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	9	1.29
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	16	1.29
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	16	1.29
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	16	1.29
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	2	1.29
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	2	1.29
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	2	1.29
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	14	1.29
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	14	1.29
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	14	1.29
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	8	1.29
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	20	1.28
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	20	1.28
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	20	1.28
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	20	1.28
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	20	1.28
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	20	1.28
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	17	1.28
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	12	1.28
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	12	1.28
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	12	1.28
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	1	1.28
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	5	1.28
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	5	1.28
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	5	1.28
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	10	1.28
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	10	1.28
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	10	1.28
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	7	1.28
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	7	1.28
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	7	1.28
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	7	1.28
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	16	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	16	1.28
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	16	1.28
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	18	1.28
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	18	1.28
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	18	1.28
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	6	1.28
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	6	1.28
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	6	1.28
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	13	1.28
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	13	1.28
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	13	1.28
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	19	1.28
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	19	1.28
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	19	1.28
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	15	1.28
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	15	1.28
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	15	1.28
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	15	1.28
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	6	1.28
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	6	1.28
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	6	1.28
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	12	1.28
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	12	1.28
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	12	1.28
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	13	1.28
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	13	1.28
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	13	1.28
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG21	13	1.28
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG22	13	1.28
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG23	13	1.28
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	3	1.28
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	3	1.28
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	3	1.28
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	6	1.28
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	6	1.28
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	6	1.28
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	13	1.28
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	13	1.28
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	13	1.28
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	1	1.28
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	1	1.28
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	1	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	1	1.28
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	1	1.28
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	1	1.28
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	1	1.28
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	1	1.28
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	1	1.28
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	8	1.28
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	8	1.28
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	8	1.28
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	15	1.28
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	15	1.28
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	15	1.28
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	19	1.28
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	19	1.28
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	19	1.28
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	7	1.28
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	7	1.28
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	7	1.28
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	12	1.28
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	12	1.28
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	12	1.28
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	16	1.28
(1,3039)	1:16:A:VAL:HG21	1:168:A:THR:HB	6	1.27
(1,3039)	1:16:A:VAL:HG22	1:168:A:THR:HB	6	1.27
(1,3039)	1:16:A:VAL:HG23	1:168:A:THR:HB	6	1.27
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	14	1.27
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	15	1.27
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	15	1.27
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	15	1.27
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	16	1.27
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	16	1.27
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	16	1.27
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	2	1.27
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	2	1.27
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	2	1.27
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	2	1.27
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	2	1.27
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	2	1.27
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	9	1.27
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	9	1.27
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	9	1.27
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	9	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	9	1.27
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	9	1.27
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	9	1.27
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	9	1.27
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	9	1.27
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	20	1.27
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	20	1.27
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	20	1.27
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	20	1.27
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	20	1.27
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	20	1.27
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	20	1.27
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	20	1.27
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	20	1.27
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG11	11	1.27
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG12	11	1.27
(1,2411)	1:38:A:ARG:H	1:182:A:VAL:HG13	11	1.27
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	8	1.27
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	8	1.27
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	8	1.27
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	15	1.27
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	15	1.27
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	15	1.27
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	17	1.27
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	17	1.27
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	17	1.27
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	11	1.27
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	11	1.27
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	11	1.27
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	11	1.27
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	11	1.27
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	11	1.27
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	11	1.27
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	11	1.27
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	11	1.27
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	9	1.27
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	9	1.27
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	9	1.27
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG21	8	1.27
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG22	8	1.27
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG23	8	1.27
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	4	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	4	1.27
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	4	1.27
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	1	1.27
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	1	1.27
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	1	1.27
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	2	1.27
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	2	1.27
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	2	1.27
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	7	1.27
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	7	1.27
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	7	1.27
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	7	1.27
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	7	1.27
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	7	1.27
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	4	1.27
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	4	1.27
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	4	1.27
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	10	1.27
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	10	1.27
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	10	1.27
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	1	1.27
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	1	1.27
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	1	1.27
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	20	1.27
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	5	1.27
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	5	1.27
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	5	1.27
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	12	1.27
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	12	1.27
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	12	1.27
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	10	1.27
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	10	1.27
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	10	1.27
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	14	1.27
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	18	1.27
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	8	1.26
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	8	1.26
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	8	1.26
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	8	1.26
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	8	1.26
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	8	1.26
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	1	1.26
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	1	1.26
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	2	1.26
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	15	1.26
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	15	1.26
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	15	1.26
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	1	1.26
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	1	1.26
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	1	1.26
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	20	1.26
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	20	1.26
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	20	1.26
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	11	1.26
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	11	1.26
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	11	1.26
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	17	1.26
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	17	1.26
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	17	1.26
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	10	1.26
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	10	1.26
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	10	1.26
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	8	1.26
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	8	1.26
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	8	1.26
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	8	1.26
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	8	1.26
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	8	1.26
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	8	1.26
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	8	1.26
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	8	1.26
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG21	19	1.26
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG22	19	1.26
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG23	19	1.26
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	12	1.26
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	12	1.26
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	12	1.26
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	1	1.26
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	1	1.26
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	1	1.26
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG21	7	1.26
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG22	7	1.26
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG23	7	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	18	1.26
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	18	1.26
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	18	1.26
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	6	1.26
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	6	1.26
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	6	1.26
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	7	1.26
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	7	1.26
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	7	1.26
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	8	1.26
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	8	1.26
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	8	1.26
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	13	1.26
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	13	1.26
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	13	1.26
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	5	1.26
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	5	1.26
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	5	1.26
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	14	1.26
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	14	1.26
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	14	1.26
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	18	1.26
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	18	1.26
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	18	1.26
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	5	1.26
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	5	1.26
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	5	1.26
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	7	1.26
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	7	1.26
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	7	1.26
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	17	1.26
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	17	1.26
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	17	1.26
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	18	1.26
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	18	1.26
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	18	1.26
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	5	1.26
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	5	1.26
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	5	1.26
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	19	1.26
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	19	1.26
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	19	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	19	1.26
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	19	1.26
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	19	1.26
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	19	1.26
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	19	1.26
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	19	1.26
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	4	1.26
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	4	1.26
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	4	1.26
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	9	1.26
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	9	1.26
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	9	1.26
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	4	1.26
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	4	1.26
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	4	1.26
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	4	1.26
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	4	1.26
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	4	1.26
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	4	1.26
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	4	1.26
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	4	1.26
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	4	1.26
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	4	1.26
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	4	1.26
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	12	1.26
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	12	1.26
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	12	1.26
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	13	1.26
(1,732)	1:124:A:LEU:HD21	1:130:A:THR:H	15	1.26
(1,732)	1:124:A:LEU:HD22	1:130:A:THR:H	15	1.26
(1,732)	1:124:A:LEU:HD23	1:130:A:THR:H	15	1.26
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	13	1.25
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	13	1.25
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	13	1.25
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	13	1.25
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	13	1.25
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	13	1.25
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	16	1.25
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	16	1.25
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	16	1.25
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	16	1.25
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	16	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	16	1.25
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	8	1.25
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	8	1.25
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	8	1.25
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	16	1.25
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	16	1.25
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	16	1.25
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	1	1.25
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	2	1.25
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	2	1.25
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	2	1.25
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	17	1.25
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	17	1.25
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	17	1.25
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	3	1.25
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	3	1.25
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	3	1.25
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	18	1.25
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	18	1.25
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	18	1.25
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG11	15	1.25
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG12	15	1.25
(1,2333)	1:156:A:VAL:HB	1:170:A:VAL:HG13	15	1.25
(1,2332)	1:170:A:VAL:HG11	1:172:A:GLY:HA3	4	1.25
(1,2332)	1:170:A:VAL:HG12	1:172:A:GLY:HA3	4	1.25
(1,2332)	1:170:A:VAL:HG13	1:172:A:GLY:HA3	4	1.25
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	14	1.25
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	14	1.25
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	14	1.25
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	7	1.25
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	7	1.25
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	7	1.25
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	16	1.25
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	16	1.25
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	16	1.25
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	18	1.25
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	18	1.25
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	18	1.25
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	7	1.25
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	7	1.25
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	7	1.25
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	9	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	9	1.25
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	9	1.25
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	12	1.25
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	12	1.25
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	12	1.25
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	4	1.25
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	4	1.25
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	4	1.25
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	3	1.25
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	3	1.25
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	3	1.25
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	11	1.25
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	19	1.25
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	10	1.25
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	10	1.25
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	10	1.25
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	14	1.25
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	10	1.25
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	10	1.25
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	10	1.25
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	20	1.25
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	20	1.25
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	20	1.25
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	17	1.25
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	17	1.25
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	17	1.25
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	15	1.24
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	15	1.24
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	15	1.24
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	15	1.24
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	15	1.24
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	15	1.24
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	3	1.24
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	3	1.24
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	3	1.24
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	20	1.24
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	20	1.24
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	20	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	7	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	7	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	7	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	7	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	7	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	7	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	10	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	10	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	10	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	10	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	10	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	10	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	12	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	12	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	12	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	12	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	12	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	12	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	14	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	14	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	14	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	14	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	14	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	14	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	18	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	18	1.24
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	18	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	18	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	18	1.24
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	18	1.24
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	11	1.24
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	11	1.24
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	11	1.24
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	11	1.24
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	11	1.24
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	11	1.24
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	8	1.24
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	8	1.24
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	8	1.24
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	20	1.24
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	20	1.24
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	20	1.24
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	20	1.24
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	20	1.24
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	20	1.24
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	7	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	7	1.24
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	7	1.24
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG11	15	1.24
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG12	15	1.24
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG13	15	1.24
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG21	15	1.24
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG22	15	1.24
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG23	15	1.24
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	7	1.24
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	7	1.24
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	7	1.24
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	17	1.24
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	17	1.24
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	17	1.24
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG21	17	1.24
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG22	17	1.24
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG23	17	1.24
(1,1827)	1:25:A:ALA:HA	1:29:A:ASP:HB3	10	1.24
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	6	1.24
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	6	1.24
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	6	1.24
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	15	1.24
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	15	1.24
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	15	1.24
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	2	1.24
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	2	1.24
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	2	1.24
(1,1698)	1:71:A:VAL:HG11	1:73:A:PHE:H	9	1.24
(1,1698)	1:71:A:VAL:HG12	1:73:A:PHE:H	9	1.24
(1,1698)	1:71:A:VAL:HG13	1:73:A:PHE:H	9	1.24
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	11	1.24
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	11	1.24
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	11	1.24
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	2	1.24
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	2	1.24
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	2	1.24
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	8	1.24
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	8	1.24
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	8	1.24
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	11	1.24
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	11	1.24
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	11	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	15	1.24
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	15	1.24
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	15	1.24
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	19	1.24
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	19	1.24
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	19	1.24
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	19	1.24
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	19	1.24
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	19	1.24
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	12	1.24
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	12	1.24
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	12	1.24
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	14	1.24
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	14	1.24
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	14	1.24
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	5	1.24
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	3	1.24
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	3	1.24
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	3	1.24
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	5	1.24
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	5	1.24
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	5	1.24
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	11	1.24
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	11	1.24
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	11	1.24
(1,135)	1:124:A:LEU:HD21	1:129:A:ASN:H	9	1.24
(1,135)	1:124:A:LEU:HD22	1:129:A:ASN:H	9	1.24
(1,135)	1:124:A:LEU:HD23	1:129:A:ASN:H	9	1.24
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	18	1.24
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	18	1.24
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	18	1.24
(1,49)	1:23:A:VAL:HG21	1:57:A:GLN:H	8	1.24
(1,49)	1:23:A:VAL:HG22	1:57:A:GLN:H	8	1.24
(1,49)	1:23:A:VAL:HG23	1:57:A:GLN:H	8	1.24
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	17	1.24
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	1	1.23
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	1	1.23
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	1	1.23
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	1	1.23
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	1	1.23
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	1	1.23
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	3	1.23
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	3	1.23
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	3	1.23
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	3	1.23
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	3	1.23
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	6	1.23
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	6	1.23
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	6	1.23
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	6	1.23
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	6	1.23
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	6	1.23
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	10	1.23
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	10	1.23
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	10	1.23
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	10	1.23
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	10	1.23
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	10	1.23
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	20	1.23
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	20	1.23
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	20	1.23
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	20	1.23
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	20	1.23
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	20	1.23
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	20	1.23
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	20	1.23
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	20	1.23
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	20	1.23
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	20	1.23
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	20	1.23
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	10	1.23
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	10	1.23
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	10	1.23
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	1	1.23
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	1	1.23
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	1	1.23
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	1	1.23
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	1	1.23
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	1	1.23
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	16	1.23
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	16	1.23
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	16	1.23
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	16	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	16	1.23
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	16	1.23
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	20	1.23
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	20	1.23
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	20	1.23
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	20	1.23
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	20	1.23
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	20	1.23
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	8	1.23
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	8	1.23
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	8	1.23
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	13	1.23
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	13	1.23
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	13	1.23
(1,2706)	1:66:A:ALA:HA	1:160:A:GLY:HA2	1	1.23
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	15	1.23
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	15	1.23
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	15	1.23
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	9	1.23
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	9	1.23
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	9	1.23
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	5	1.23
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	5	1.23
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	5	1.23
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	7	1.23
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	7	1.23
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	7	1.23
(1,1969)	1:16:A:VAL:HG21	1:18:A:ASN:HB3	18	1.23
(1,1969)	1:16:A:VAL:HG22	1:18:A:ASN:HB3	18	1.23
(1,1969)	1:16:A:VAL:HG23	1:18:A:ASN:HB3	18	1.23
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	3	1.23
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	3	1.23
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	3	1.23
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	3	1.23
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	3	1.23
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	3	1.23
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	10	1.23
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	10	1.23
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	10	1.23
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG21	15	1.23
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG22	15	1.23
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG23	15	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG21	17	1.23
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG22	17	1.23
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG23	17	1.23
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	9	1.23
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	9	1.23
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	9	1.23
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	13	1.23
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	13	1.23
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	13	1.23
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	16	1.23
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	16	1.23
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	16	1.23
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	15	1.23
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	15	1.23
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	15	1.23
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	2	1.23
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	2	1.23
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	2	1.23
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	7	1.23
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	7	1.23
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	7	1.23
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	5	1.23
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	5	1.23
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	5	1.23
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD11	15	1.23
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD12	15	1.23
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD13	15	1.23
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	15	1.23
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	15	1.23
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	15	1.23
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	2	1.23
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	2	1.23
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	2	1.23
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	12	1.23
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	12	1.23
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	12	1.23
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	3	1.23
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	3	1.23
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	3	1.23
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	3	1.23
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	3	1.23
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	2	1.23
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	2	1.23
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	2	1.23
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	2	1.23
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	2	1.23
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	2	1.23
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	3	1.23
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	8	1.23
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	14	1.23
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	14	1.23
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	14	1.23
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	1	1.23
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	1	1.23
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	1	1.23
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	3	1.23
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	2	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	2	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	2	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	2	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	2	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	2	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	4	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	4	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	4	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	4	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	4	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	4	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	5	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	5	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	5	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	5	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	5	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	5	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	7	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	7	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	7	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	7	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	7	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	7	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	8	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	8	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	8	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	8	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	8	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	8	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	14	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	14	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	14	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	14	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	14	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	14	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	16	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	16	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	16	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	16	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	16	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	16	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	17	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	17	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	17	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	17	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	17	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	17	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	19	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	19	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	19	1.22
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	19	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	19	1.22
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	19	1.22
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	14	1.22
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	14	1.22
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	14	1.22
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	14	1.22
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	14	1.22
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	14	1.22
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	4	1.22
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	4	1.22
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	4	1.22
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	8	1.22
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	8	1.22
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	8	1.22
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	6	1.22
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	6	1.22
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	6	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	8	1.22
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	8	1.22
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	8	1.22
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	9	1.22
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	9	1.22
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	9	1.22
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	10	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	3	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	3	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	3	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	3	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	3	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	3	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	4	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	4	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	4	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	4	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	4	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	4	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	6	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	6	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	6	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	6	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	6	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	6	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	8	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	8	1.22
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	8	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	8	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	8	1.22
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	8	1.22
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	6	1.22
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	6	1.22
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	6	1.22
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	9	1.22
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	9	1.22
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	9	1.22
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	4	1.22
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	4	1.22
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	4	1.22
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD21	15	1.22
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD22	15	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD23	15	1.22
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD21	15	1.22
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD22	15	1.22
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD23	15	1.22
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD21	15	1.22
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD22	15	1.22
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD23	15	1.22
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	12	1.22
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	12	1.22
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	12	1.22
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	12	1.22
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	12	1.22
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	12	1.22
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	12	1.22
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	12	1.22
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	12	1.22
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	13	1.22
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	13	1.22
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	13	1.22
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	14	1.22
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	14	1.22
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	14	1.22
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG21	5	1.22
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG22	5	1.22
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG23	5	1.22
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	15	1.22
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	15	1.22
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	15	1.22
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	12	1.22
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	12	1.22
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	12	1.22
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	19	1.22
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	19	1.22
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	19	1.22
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	11	1.22
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	11	1.22
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	11	1.22
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	1	1.22
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	1	1.22
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	1	1.22
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB2	11	1.22
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB3	11	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB2	11	1.22
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB3	11	1.22
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB2	11	1.22
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB3	11	1.22
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	3	1.22
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	3	1.22
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	3	1.22
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	15	1.22
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	15	1.22
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	15	1.22
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	9	1.22
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	9	1.22
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	9	1.22
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	3	1.22
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	3	1.22
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	3	1.22
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG21	13	1.22
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG22	13	1.22
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG23	13	1.22
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	8	1.22
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	8	1.22
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	8	1.22
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	1	1.22
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	1	1.22
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	1	1.22
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	2	1.22
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	2	1.22
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	2	1.22
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	8	1.22
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	8	1.22
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	8	1.22
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	11	1.22
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	11	1.22
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	11	1.22
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	4	1.22
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	4	1.22
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	4	1.22
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	1	1.22
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	1	1.22
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	1	1.22
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	8	1.22
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	8	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	8	1.22
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	19	1.22
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	2	1.22
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	2	1.22
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	2	1.22
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	16	1.22
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	16	1.22
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	16	1.22
(1,676)	1:52:A:VAL:HG11	1:54:A:PHE:H	19	1.22
(1,676)	1:52:A:VAL:HG12	1:54:A:PHE:H	19	1.22
(1,676)	1:52:A:VAL:HG13	1:54:A:PHE:H	19	1.22
(1,607)	1:124:A:LEU:HD11	1:159:A:GLN:H	9	1.22
(1,607)	1:124:A:LEU:HD12	1:159:A:GLN:H	9	1.22
(1,607)	1:124:A:LEU:HD13	1:159:A:GLN:H	9	1.22
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	14	1.22
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	14	1.22
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	14	1.22
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	11	1.21
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	11	1.21
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	11	1.21
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	11	1.21
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	11	1.21
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	11	1.21
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	18	1.21
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	18	1.21
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	18	1.21
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	18	1.21
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	18	1.21
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	18	1.21
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD1	10	1.21
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD2	10	1.21
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD1	10	1.21
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD2	10	1.21
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD1	10	1.21
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD2	10	1.21
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	3	1.21
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	3	1.21
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	3	1.21
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	3	1.21
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	3	1.21
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	3	1.21
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	19	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	19	1.21
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	19	1.21
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	19	1.21
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	19	1.21
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	19	1.21
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	5	1.21
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	5	1.21
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	5	1.21
(1,3342)	1:23:A:VAL:HG21	1:27:A:SER:HB2	11	1.21
(1,3342)	1:23:A:VAL:HG22	1:27:A:SER:HB2	11	1.21
(1,3342)	1:23:A:VAL:HG23	1:27:A:SER:HB2	11	1.21
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	16	1.21
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	11	1.21
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	11	1.21
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	11	1.21
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	11	1.21
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	11	1.21
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	11	1.21
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	17	1.21
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	17	1.21
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	17	1.21
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	17	1.21
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	17	1.21
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	17	1.21
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	19	1.21
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	19	1.21
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	19	1.21
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	19	1.21
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	19	1.21
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	19	1.21
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	17	1.21
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	17	1.21
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	17	1.21
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	16	1.21
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	16	1.21
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	16	1.21
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	19	1.21
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	19	1.21
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	19	1.21
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	15	1.21
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	15	1.21
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	15	1.21
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	15	1.21
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	15	1.21
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	15	1.21
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	15	1.21
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	15	1.21
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	18	1.21
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	18	1.21
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	18	1.21
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	2	1.21
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	2	1.21
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	2	1.21
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	3	1.21
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	3	1.21
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	3	1.21
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	4	1.21
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	4	1.21
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	4	1.21
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	17	1.21
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	17	1.21
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	17	1.21
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	17	1.21
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	17	1.21
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	17	1.21
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	17	1.21
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	17	1.21
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	17	1.21
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	10	1.21
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	10	1.21
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	10	1.21
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	2	1.21
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	2	1.21
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	2	1.21
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG21	5	1.21
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG22	5	1.21
(1,1891)	1:64:A:ASN:HD21	1:65:A:VAL:HG23	5	1.21
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	11	1.21
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	11	1.21
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	11	1.21
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	14	1.21
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	14	1.21
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	14	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	10	1.21
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	10	1.21
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	10	1.21
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	16	1.21
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	16	1.21
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	16	1.21
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	8	1.21
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	8	1.21
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	8	1.21
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	11	1.21
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	11	1.21
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	11	1.21
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	2	1.21
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	2	1.21
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	2	1.21
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	5	1.21
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	5	1.21
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	5	1.21
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	11	1.21
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	11	1.21
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	11	1.21
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	11	1.21
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	11	1.21
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	11	1.21
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	16	1.21
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	16	1.21
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	16	1.21
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	20	1.21
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	20	1.21
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	20	1.21
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	1	1.21
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	1	1.21
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	1	1.21
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	1	1.21
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	1	1.21
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	1	1.21
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	13	1.21
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	13	1.21
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	13	1.21
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	20	1.21
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	20	1.21
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	20	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	7	1.21
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	7	1.21
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	7	1.21
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	11	1.21
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	11	1.21
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	11	1.21
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	13	1.21
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	13	1.21
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	13	1.21
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	3	1.21
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	3	1.21
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	3	1.21
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	19	1.2
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	19	1.2
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	19	1.2
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	19	1.2
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	19	1.2
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	19	1.2
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	12	1.2
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	12	1.2
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	12	1.2
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	12	1.2
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	12	1.2
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	12	1.2
(1,3512)	1:111:A:LEU:HD21	1:120:A:SER:HB3	19	1.2
(1,3512)	1:111:A:LEU:HD22	1:120:A:SER:HB3	19	1.2
(1,3512)	1:111:A:LEU:HD23	1:120:A:SER:HB3	19	1.2
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	5	1.2
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	5	1.2
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	5	1.2
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	5	1.2
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	5	1.2
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	5	1.2
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	15	1.2
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	15	1.2
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	15	1.2
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	15	1.2
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	15	1.2
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	15	1.2
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	14	1.2
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	14	1.2
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	14	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	15	1.2
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	15	1.2
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	15	1.2
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	20	1.2
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	20	1.2
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	20	1.2
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	3	1.2
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	20	1.2
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	20	1.2
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	20	1.2
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	20	1.2
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	20	1.2
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	20	1.2
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	20	1.2
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	20	1.2
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	20	1.2
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	8	1.2
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	8	1.2
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	8	1.2
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	17	1.2
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	17	1.2
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	17	1.2
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	14	1.2
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	14	1.2
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	14	1.2
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	12	1.2
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	12	1.2
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	12	1.2
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	18	1.2
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	18	1.2
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	18	1.2
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	1	1.2
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	1	1.2
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	1	1.2
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	9	1.2
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	9	1.2
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	9	1.2
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	13	1.2
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	13	1.2
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	13	1.2
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	4	1.2
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	4	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	4	1.2
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	13	1.2
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	13	1.2
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	13	1.2
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG21	8	1.2
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG22	8	1.2
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG23	8	1.2
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	4	1.2
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	4	1.2
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	4	1.2
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	4	1.2
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	9	1.2
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	19	1.2
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	19	1.2
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	19	1.2
(1,297)	1:16:A:VAL:HG21	1:18:A:ASN:H	4	1.2
(1,297)	1:16:A:VAL:HG22	1:18:A:ASN:H	4	1.2
(1,297)	1:16:A:VAL:HG23	1:18:A:ASN:H	4	1.2
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	10	1.2
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	14	1.2
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	13	1.19
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	13	1.19
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	13	1.19
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	13	1.19
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	13	1.19
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	13	1.19
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD1	2	1.19
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD2	2	1.19
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD1	2	1.19
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD2	2	1.19
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD1	2	1.19
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD2	2	1.19
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD1	17	1.19
(1,3841)	1:71:A:VAL:HG11	1:154:A:PHE:HD2	17	1.19
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD1	17	1.19
(1,3841)	1:71:A:VAL:HG12	1:154:A:PHE:HD2	17	1.19
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD1	17	1.19
(1,3841)	1:71:A:VAL:HG13	1:154:A:PHE:HD2	17	1.19
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	8	1.19
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	8	1.19
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	8	1.19
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	8	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	8	1.19
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	8	1.19
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	7	1.19
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	7	1.19
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	7	1.19
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	7	1.19
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	7	1.19
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	7	1.19
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	17	1.19
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	17	1.19
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	17	1.19
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	4	1.19
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	4	1.19
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	4	1.19
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	15	1.19
(1,3072)	1:55:A:ASN:HB2	1:130:A:THR:HB	7	1.19
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	5	1.19
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	6	1.19
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	1	1.19
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	1	1.19
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	1	1.19
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	14	1.19
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	20	1.19
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	7	1.19
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	7	1.19
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	7	1.19
(1,2606)	1:101:A:VAL:HG21	1:135:A:ALA:HA	18	1.19
(1,2606)	1:101:A:VAL:HG22	1:135:A:ALA:HA	18	1.19
(1,2606)	1:101:A:VAL:HG23	1:135:A:ALA:HA	18	1.19
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	5	1.19
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	5	1.19
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	5	1.19
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	5	1.19
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	5	1.19
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	5	1.19
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	5	1.19
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	5	1.19
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	5	1.19
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	8	1.19
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	8	1.19
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	8	1.19
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	11	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	11	1.19
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	11	1.19
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	3	1.19
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	3	1.19
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	3	1.19
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	5	1.19
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	5	1.19
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	5	1.19
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG21	19	1.19
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG22	19	1.19
(1,1852)	1:64:A:ASN:H	1:65:A:VAL:HG23	19	1.19
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	3	1.19
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	3	1.19
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	3	1.19
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	19	1.19
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	19	1.19
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	19	1.19
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	13	1.19
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	13	1.19
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	13	1.19
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB2	10	1.19
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB3	10	1.19
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB2	10	1.19
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB3	10	1.19
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB2	10	1.19
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB3	10	1.19
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	5	1.19
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	5	1.19
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	5	1.19
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	17	1.19
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	17	1.19
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	17	1.19
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	3	1.19
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	3	1.19
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	3	1.19
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	9	1.19
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	9	1.19
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	9	1.19
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	17	1.19
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	17	1.19
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	17	1.19
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	1	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	1	1.19
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	1	1.19
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	6	1.19
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	6	1.19
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	6	1.19
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	11	1.19
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	11	1.19
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	11	1.19
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD11	19	1.18
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD12	19	1.18
(1,3724)	1:77:A:ALA:HA	1:86:A:LEU:HD13	19	1.18
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	18	1.18
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	15	1.18
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	15	1.18
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	15	1.18
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	15	1.18
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	15	1.18
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	15	1.18
(1,3342)	1:23:A:VAL:HG21	1:27:A:SER:HB2	16	1.18
(1,3342)	1:23:A:VAL:HG22	1:27:A:SER:HB2	16	1.18
(1,3342)	1:23:A:VAL:HG23	1:27:A:SER:HB2	16	1.18
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	12	1.18
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	19	1.18
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	19	1.18
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	19	1.18
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	8	1.18
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	8	1.18
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	8	1.18
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	5	1.18
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	5	1.18
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	5	1.18
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	12	1.18
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	12	1.18
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	12	1.18
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	17	1.18
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	17	1.18
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	17	1.18
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	3	1.18
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	3	1.18
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	3	1.18
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	15	1.18
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	15	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	15	1.18
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	2	1.18
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	2	1.18
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	2	1.18
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	7	1.18
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	7	1.18
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	7	1.18
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	3	1.18
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	3	1.18
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	3	1.18
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB2	19	1.18
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB3	19	1.18
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB2	19	1.18
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB3	19	1.18
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB2	19	1.18
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB3	19	1.18
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	2	1.18
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	2	1.18
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	2	1.18
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	15	1.18
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	15	1.18
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	15	1.18
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	14	1.18
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	14	1.18
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	14	1.18
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	14	1.18
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	14	1.18
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	14	1.18
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	10	1.18
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	10	1.18
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	10	1.18
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD11	9	1.18
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD12	9	1.18
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD13	9	1.18
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	11	1.18
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	11	1.18
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	11	1.18
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	19	1.18
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	19	1.18
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	19	1.18
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	17	1.18
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	8	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	8	1.18
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	8	1.18
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	1	1.18
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	2	1.18
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	2	1.18
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	2	1.18
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE1	9	1.17
(1,3924)	1:86:A:LEU:HD21	1:177:A:PHE:HE2	9	1.17
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE1	9	1.17
(1,3924)	1:86:A:LEU:HD22	1:177:A:PHE:HE2	9	1.17
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE1	9	1.17
(1,3924)	1:86:A:LEU:HD23	1:177:A:PHE:HE2	9	1.17
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	4	1.17
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	12	1.17
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	13	1.17
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	1	1.17
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	1	1.17
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	1	1.17
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	2	1.17
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	2	1.17
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	2	1.17
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	13	1.17
(1,3072)	1:55:A:ASN:HB2	1:130:A:THR:HB	6	1.17
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	9	1.17
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	9	1.17
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	9	1.17
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	2	1.17
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	2	1.17
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	2	1.17
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	2	1.17
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	2	1.17
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	2	1.17
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	2	1.17
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	2	1.17
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	2	1.17
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD21	20	1.17
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD22	20	1.17
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD23	20	1.17
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD21	20	1.17
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD22	20	1.17
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD23	20	1.17
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD21	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD22	20	1.17
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD23	20	1.17
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	1	1.17
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	1	1.17
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	1	1.17
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	1	1.17
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	1	1.17
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	1	1.17
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	1	1.17
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	1	1.17
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	1	1.17
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	16	1.17
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	16	1.17
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	16	1.17
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	3	1.17
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	3	1.17
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	3	1.17
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	14	1.17
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	14	1.17
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	14	1.17
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	15	1.17
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	15	1.17
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	15	1.17
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	9	1.17
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	9	1.17
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	9	1.17
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	12	1.17
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	12	1.17
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	12	1.17
(1,1672)	1:42:A:LEU:HD11	1:43:A:ALA:H	8	1.17
(1,1672)	1:42:A:LEU:HD12	1:43:A:ALA:H	8	1.17
(1,1672)	1:42:A:LEU:HD13	1:43:A:ALA:H	8	1.17
(1,1660)	1:71:A:VAL:HG11	1:73:A:PHE:HZ	10	1.17
(1,1660)	1:71:A:VAL:HG12	1:73:A:PHE:HZ	10	1.17
(1,1660)	1:71:A:VAL:HG13	1:73:A:PHE:HZ	10	1.17
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	4	1.17
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	4	1.17
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	4	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	3	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	3	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	3	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	7	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	7	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	7	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	10	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	10	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	10	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	19	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	19	1.17
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	19	1.17
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	8	1.17
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	8	1.17
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	8	1.17
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	6	1.17
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	6	1.17
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	6	1.17
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	15	1.17
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	5	1.17
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	6	1.17
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	20	1.17
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	20	1.17
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	20	1.17
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	4	1.17
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	4	1.17
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	4	1.17
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	10	1.17
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	10	1.17
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	10	1.17
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	11	1.17
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	11	1.17
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	11	1.17
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD1	9	1.16
(1,3874)	1:101:A:VAL:HG11	1:137:A:TYR:HD2	9	1.16
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD1	9	1.16
(1,3874)	1:101:A:VAL:HG12	1:137:A:TYR:HD2	9	1.16
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD1	9	1.16
(1,3874)	1:101:A:VAL:HG13	1:137:A:TYR:HD2	9	1.16
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	11	1.16
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	11	1.16
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	6	1.16
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	6	1.16
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	6	1.16
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	16	1.16
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	16	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	16	1.16
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	20	1.16
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	11	1.16
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	10	1.16
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	11	1.16
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	11	1.16
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	11	1.16
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	12	1.16
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	12	1.16
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	12	1.16
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	7	1.16
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	7	1.16
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	7	1.16
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	18	1.16
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	18	1.16
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	18	1.16
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG21	8	1.16
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG22	8	1.16
(1,2617)	1:145:A:PRO:HD2	1:181:A:VAL:HG23	8	1.16
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	2	1.16
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	2	1.16
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	2	1.16
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	18	1.16
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	18	1.16
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	18	1.16
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	9	1.16
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	9	1.16
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	9	1.16
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	5	1.16
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	5	1.16
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	5	1.16
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	3	1.16
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG11	13	1.16
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG12	13	1.16
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG13	13	1.16
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG11	14	1.16
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG12	14	1.16
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG13	14	1.16
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG11	18	1.16
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG12	18	1.16
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG13	18	1.16
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	6	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	6	1.16
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	6	1.16
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	13	1.16
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	13	1.16
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	13	1.16
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	17	1.16
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	17	1.16
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	17	1.16
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB2	15	1.16
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB3	15	1.16
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB2	15	1.16
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB3	15	1.16
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB2	15	1.16
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB3	15	1.16
(1,1660)	1:71:A:VAL:HG11	1:73:A:PHE:HZ	8	1.16
(1,1660)	1:71:A:VAL:HG12	1:73:A:PHE:HZ	8	1.16
(1,1660)	1:71:A:VAL:HG13	1:73:A:PHE:HZ	8	1.16
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	8	1.16
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	8	1.16
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	8	1.16
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	9	1.16
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	9	1.16
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	9	1.16
(1,1585)	1:111:A:LEU:HD21	1:112:A:THR:H	20	1.16
(1,1585)	1:111:A:LEU:HD22	1:112:A:THR:H	20	1.16
(1,1585)	1:111:A:LEU:HD23	1:112:A:THR:H	20	1.16
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	20	1.16
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	20	1.16
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	20	1.16
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	20	1.16
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	20	1.16
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	20	1.16
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	20	1.16
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	20	1.16
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	20	1.16
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	15	1.16
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	15	1.16
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	15	1.16
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG11	18	1.16
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG12	18	1.16
(1,1153)	1:83:A:THR:H	1:85:A:VAL:HG13	18	1.16
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	15	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	8	1.16
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	8	1.16
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	8	1.16
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	9	1.16
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	9	1.16
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	9	1.16
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE1	8	1.15
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE2	8	1.15
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE1	8	1.15
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE2	8	1.15
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE1	8	1.15
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE2	8	1.15
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE1	10	1.15
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE2	10	1.15
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE1	10	1.15
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE2	10	1.15
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE1	10	1.15
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE2	10	1.15
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	8	1.15
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	12	1.15
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	12	1.15
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	12	1.15
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	12	1.15
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	12	1.15
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	12	1.15
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	9	1.15
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	9	1.15
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	9	1.15
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	5	1.15
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	17	1.15
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	3	1.15
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	3	1.15
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	3	1.15
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	19	1.15
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	19	1.15
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	19	1.15
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	14	1.15
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	14	1.15
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	14	1.15
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	14	1.15
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	14	1.15
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	14	1.15
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	14	1.15
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	14	1.15
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	17	1.15
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	17	1.15
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	17	1.15
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	16	1.15
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	16	1.15
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	16	1.15
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	16	1.15
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	16	1.15
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	16	1.15
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	16	1.15
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	16	1.15
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	16	1.15
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	2	1.15
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	2	1.15
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	2	1.15
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	7	1.15
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	10	1.15
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	10	1.15
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	10	1.15
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	3	1.15
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	3	1.15
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	3	1.15
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	5	1.15
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	5	1.15
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	5	1.15
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	13	1.15
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	13	1.15
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	13	1.15
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	17	1.15
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	17	1.15
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	17	1.15
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG21	5	1.15
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG22	5	1.15
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG23	5	1.15
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG21	5	1.15
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG22	5	1.15
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG23	5	1.15
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG21	5	1.15
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG22	5	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG23	5	1.15
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	2	1.15
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	2	1.15
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	2	1.15
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	17	1.15
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	17	1.15
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	17	1.15
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	7	1.15
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	7	1.15
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	7	1.15
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	6	1.15
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	6	1.15
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	6	1.15
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	5	1.15
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	5	1.15
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	5	1.15
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	7	1.15
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	7	1.15
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	7	1.15
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	3	1.15
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	3	1.15
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	3	1.15
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	17	1.15
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	17	1.15
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	17	1.15
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	9	1.15
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	9	1.15
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	9	1.15
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	9	1.15
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	9	1.15
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	9	1.15
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	1	1.15
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	18	1.15
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	13	1.15
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	13	1.15
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	13	1.15
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	14	1.15
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	14	1.15
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	14	1.15
(1,676)	1:52:A:VAL:HG11	1:54:A:PHE:H	20	1.15
(1,676)	1:52:A:VAL:HG12	1:54:A:PHE:H	20	1.15
(1,676)	1:52:A:VAL:HG13	1:54:A:PHE:H	20	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	14	1.15
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	14	1.15
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	14	1.15
(1,387)	1:10:A:VAL:HG11	1:12:A:PHE:H	4	1.15
(1,387)	1:10:A:VAL:HG12	1:12:A:PHE:H	4	1.15
(1,387)	1:10:A:VAL:HG13	1:12:A:PHE:H	4	1.15
(1,135)	1:124:A:LEU:HD21	1:129:A:ASN:H	10	1.15
(1,135)	1:124:A:LEU:HD22	1:129:A:ASN:H	10	1.15
(1,135)	1:124:A:LEU:HD23	1:129:A:ASN:H	10	1.15
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	11	1.15
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	13	1.15
(1,3775)	1:106:A:ARG:HG3	1:120:A:SER:HB2	16	1.14
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	20	1.14
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	20	1.14
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	20	1.14
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	2	1.14
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	3	1.14
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	3	1.14
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	3	1.14
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	12	1.14
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	18	1.14
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	18	1.14
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	18	1.14
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	18	1.14
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	18	1.14
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	18	1.14
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	8	1.14
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	13	1.14
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	8	1.14
(1,3039)	1:16:A:VAL:HG21	1:168:A:THR:HB	4	1.14
(1,3039)	1:16:A:VAL:HG22	1:168:A:THR:HB	4	1.14
(1,3039)	1:16:A:VAL:HG23	1:168:A:THR:HB	4	1.14
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	7	1.14
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	7	1.14
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	7	1.14
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	7	1.14
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	7	1.14
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	7	1.14
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	7	1.14
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	7	1.14
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	7	1.14
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	15	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	15	1.14
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	15	1.14
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG11	15	1.14
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG12	15	1.14
(1,2329)	1:156:A:VAL:H	1:170:A:VAL:HG13	15	1.14
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	13	1.14
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	13	1.14
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	13	1.14
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	13	1.14
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	13	1.14
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	13	1.14
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	13	1.14
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	13	1.14
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	13	1.14
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	1	1.14
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	1	1.14
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	1	1.14
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG11	20	1.14
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG12	20	1.14
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG13	20	1.14
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD21	13	1.14
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD22	13	1.14
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD23	13	1.14
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD21	13	1.14
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD22	13	1.14
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD23	13	1.14
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD21	13	1.14
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD22	13	1.14
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD23	13	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	2	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	2	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	2	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	3	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	3	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	3	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	7	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	7	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	7	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	10	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	10	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	10	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	20	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	20	1.14
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	20	1.14
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	10	1.14
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	10	1.14
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	10	1.14
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	17	1.14
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	17	1.14
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	17	1.14
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	7	1.14
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	7	1.14
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	7	1.14
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	7	1.14
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	7	1.14
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	7	1.14
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	8	1.14
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	8	1.14
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	8	1.14
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	8	1.14
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	8	1.14
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	8	1.14
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	16	1.14
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	16	1.14
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	16	1.14
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	4	1.14
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	4	1.14
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	4	1.14
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	12	1.14
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	12	1.14
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	12	1.14
(1,1563)	1:104:A:LEU:HD11	1:110:A:ALA:HA	12	1.14
(1,1563)	1:104:A:LEU:HD12	1:110:A:ALA:HA	12	1.14
(1,1563)	1:104:A:LEU:HD13	1:110:A:ALA:HA	12	1.14
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	15	1.14
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	15	1.14
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	15	1.14
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	5	1.14
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	5	1.14
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	5	1.14
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	5	1.14
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	5	1.14
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	5	1.14
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	2	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	2	1.14
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	2	1.14
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	2	1.14
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	2	1.14
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	2	1.14
(1,1094)	1:157:A:GLN:HB2	1:159:A:GLN:HE21	7	1.14
(1,1094)	1:157:A:GLN:HB2	1:159:A:GLN:HE21	17	1.14
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	1	1.14
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	9	1.14
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	9	1.14
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	9	1.14
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	16	1.14
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	16	1.14
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	16	1.14
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	16	1.14
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	16	1.14
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	16	1.14
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE1	16	1.13
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE2	16	1.13
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE1	16	1.13
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE2	16	1.13
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE1	16	1.13
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE2	16	1.13
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	6	1.13
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	16	1.13
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	10	1.13
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	14	1.13
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	17	1.13
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	18	1.13
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	13	1.13
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	13	1.13
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	13	1.13
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	18	1.13
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	18	1.13
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	18	1.13
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	4	1.13
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	4	1.13
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	4	1.13
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	17	1.13
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	17	1.13
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	17	1.13
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	2	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	2	1.13
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	2	1.13
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	2	1.13
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	2	1.13
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	2	1.13
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	19	1.13
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	6	1.13
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	6	1.13
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	6	1.13
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	14	1.13
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	14	1.13
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	14	1.13
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	17	1.13
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	17	1.13
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	17	1.13
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	17	1.13
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	17	1.13
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	17	1.13
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	17	1.13
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	17	1.13
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	17	1.13
(1,1939)	1:124:A:LEU:HD21	1:129:A:ASN:HB3	13	1.13
(1,1939)	1:124:A:LEU:HD22	1:129:A:ASN:HB3	13	1.13
(1,1939)	1:124:A:LEU:HD23	1:129:A:ASN:HB3	13	1.13
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	4	1.13
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	4	1.13
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	4	1.13
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	4	1.13
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	4	1.13
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	4	1.13
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	18	1.13
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	18	1.13
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	18	1.13
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	18	1.13
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	18	1.13
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	18	1.13
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	18	1.13
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	18	1.13
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	18	1.13
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	18	1.13
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	18	1.13
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	18	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	18	1.13
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	18	1.13
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	18	1.13
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	17	1.13
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	17	1.13
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	17	1.13
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	17	1.13
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	17	1.13
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	17	1.13
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	17	1.13
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	17	1.13
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	17	1.13
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	3	1.13
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	3	1.13
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	3	1.13
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	5	1.13
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	5	1.13
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	5	1.13
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	7	1.13
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	7	1.13
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	7	1.13
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	19	1.13
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	19	1.13
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	19	1.13
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	1	1.13
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	20	1.12
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	20	1.12
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	20	1.12
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	20	1.12
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	20	1.12
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	20	1.12
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	20	1.12
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	2	1.12
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	2	1.12
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	2	1.12
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	7	1.12
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	9	1.12
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	10	1.12
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	3	1.12
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	3	1.12
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	3	1.12
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	3	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	3	1.12
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	3	1.12
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	3	1.12
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	3	1.12
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	3	1.12
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	9	1.12
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	19	1.12
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	20	1.12
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	19	1.12
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	19	1.12
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	19	1.12
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	15	1.12
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	17	1.12
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	17	1.12
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	17	1.12
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	3	1.12
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	3	1.12
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	3	1.12
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	3	1.12
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	3	1.12
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	3	1.12
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	3	1.12
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	3	1.12
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	3	1.12
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	3	1.12
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	3	1.12
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	3	1.12
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	5	1.12
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	5	1.12
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	5	1.12
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	17	1.12
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	17	1.12
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	17	1.12
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	8	1.12
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	8	1.12
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	8	1.12
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	20	1.12
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	18	1.12
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	18	1.12
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	18	1.12
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	10	1.12
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	10	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	10	1.12
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	10	1.12
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	10	1.12
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	10	1.12
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	10	1.12
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	10	1.12
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	10	1.12
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	19	1.12
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	19	1.12
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	19	1.12
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	10	1.12
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	10	1.12
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	10	1.12
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	19	1.12
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	19	1.12
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	19	1.12
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG11	6	1.12
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG12	6	1.12
(1,1652)	1:100:A:GLY:HA3	1:101:A:VAL:HG13	6	1.12
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	17	1.12
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	17	1.12
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	17	1.12
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	14	1.12
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	14	1.12
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	14	1.12
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	10	1.12
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	10	1.12
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	10	1.12
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	20	1.12
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	20	1.12
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	20	1.12
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	20	1.12
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	20	1.12
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	20	1.12
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG11	8	1.12
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG12	8	1.12
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG13	8	1.12
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	8	1.12
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	8	1.12
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	8	1.12
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	17	1.12
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	17	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	17	1.12
(1,495)	1:13:A:LYS:HB2	1:15:A:GLU:H	2	1.12
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG21	2	1.12
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG22	2	1.12
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG23	2	1.12
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG11	15	1.11
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG12	15	1.11
(1,3840)	1:154:A:PHE:HD1	1:175:A:VAL:HG13	15	1.11
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG11	15	1.11
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG12	15	1.11
(1,3840)	1:154:A:PHE:HD2	1:175:A:VAL:HG13	15	1.11
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	17	1.11
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	17	1.11
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	17	1.11
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	17	1.11
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	20	1.11
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	14	1.11
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	14	1.11
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	14	1.11
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB1	19	1.11
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB2	19	1.11
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB3	19	1.11
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	2	1.11
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	2	1.11
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	2	1.11
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	19	1.11
(1,3056)	1:69:A:ALA:H	1:121:A:GLU:HG2	18	1.11
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	18	1.11
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	13	1.11
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	13	1.11
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	13	1.11
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	2	1.11
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	2	1.11
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	2	1.11
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	2	1.11
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	2	1.11
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	2	1.11
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	2	1.11
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	2	1.11
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	2	1.11
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	17	1.11
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	17	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	17	1.11
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	17	1.11
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	17	1.11
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	17	1.11
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	17	1.11
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	17	1.11
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	17	1.11
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	2	1.11
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	2	1.11
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	2	1.11
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	2	1.11
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	2	1.11
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	2	1.11
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	2	1.11
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	2	1.11
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	2	1.11
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	6	1.11
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	6	1.11
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	6	1.11
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	6	1.11
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	6	1.11
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	6	1.11
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	6	1.11
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	6	1.11
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	6	1.11
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	1	1.11
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	1	1.11
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	1	1.11
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	4	1.11
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	4	1.11
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	4	1.11
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	4	1.11
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	4	1.11
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	4	1.11
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	2	1.11
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	2	1.11
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	2	1.11
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	10	1.11
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	10	1.11
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	10	1.11
(1,1585)	1:111:A:LEU:HD21	1:112:A:THR:H	16	1.11
(1,1585)	1:111:A:LEU:HD22	1:112:A:THR:H	16	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:111:A:LEU:HD23	1:112:A:THR:H	16	1.11
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	19	1.11
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	19	1.11
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	19	1.11
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	11	1.11
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	11	1.11
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	11	1.11
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	12	1.11
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	12	1.11
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	12	1.11
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	19	1.11
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	19	1.11
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	19	1.11
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	7	1.11
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	7	1.11
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	7	1.11
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	16	1.11
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	16	1.11
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	16	1.11
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	12	1.11
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	4	1.11
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	12	1.11
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	12	1.11
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	12	1.11
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	13	1.11
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	13	1.11
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	13	1.11
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	18	1.11
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	18	1.11
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	18	1.11
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	9	1.11
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	14	1.1
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	14	1.1
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	14	1.1
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	14	1.1
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	14	1.1
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	14	1.1
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	15	1.1
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	15	1.1
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	15	1.1
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	15	1.1
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	15	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	15	1.1
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	10	1.1
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	10	1.1
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	10	1.1
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	10	1.1
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	10	1.1
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	10	1.1
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	10	1.1
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	10	1.1
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	10	1.1
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	10	1.1
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	16	1.1
(1,3039)	1:16:A:VAL:HG21	1:168:A:THR:HB	13	1.1
(1,3039)	1:16:A:VAL:HG22	1:168:A:THR:HB	13	1.1
(1,3039)	1:16:A:VAL:HG23	1:168:A:THR:HB	13	1.1
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	1	1.1
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	1	1.1
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	1	1.1
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	3	1.1
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	3	1.1
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	3	1.1
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	10	1.1
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	10	1.1
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	10	1.1
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	19	1.1
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	19	1.1
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	19	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	1	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	1	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	1	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	6	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	6	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	6	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	11	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	11	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	11	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	12	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	12	1.1
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	12	1.1
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	6	1.1
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	6	1.1
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	6	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:111:A:LEU:HD21	1:112:A:THR:H	18	1.1
(1,1585)	1:111:A:LEU:HD22	1:112:A:THR:H	18	1.1
(1,1585)	1:111:A:LEU:HD23	1:112:A:THR:H	18	1.1
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	8	1.1
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	8	1.1
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	8	1.1
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	8	1.1
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	8	1.1
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	8	1.1
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	8	1.1
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	8	1.1
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	8	1.1
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	17	1.1
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	17	1.1
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	17	1.1
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	14	1.1
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	14	1.1
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	14	1.1
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	3	1.1
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	3	1.1
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	3	1.1
(1,630)	1:91:A:SER:HB2	1:95:A:SER:H	4	1.1
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	16	1.1
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	16	1.1
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	16	1.1
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	20	1.1
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	20	1.1
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	20	1.1
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	5	1.09
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	5	1.09
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	5	1.09
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	5	1.09
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	5	1.09
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	5	1.09
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE1	11	1.09
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE2	11	1.09
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE1	11	1.09
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE2	11	1.09
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE1	11	1.09
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE2	11	1.09
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	9	1.09
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	9	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	9	1.09
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	9	1.09
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	9	1.09
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	9	1.09
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	7	1.09
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	7	1.09
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	18	1.09
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	18	1.09
(1,3786)	1:74:A:LEU:HD11	1:153:A:THR:HB	4	1.09
(1,3786)	1:74:A:LEU:HD12	1:153:A:THR:HB	4	1.09
(1,3786)	1:74:A:LEU:HD13	1:153:A:THR:HB	4	1.09
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	19	1.09
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	5	1.09
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	5	1.09
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	5	1.09
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	17	1.09
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	17	1.09
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	17	1.09
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	14	1.09
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	4	1.09
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG21	11	1.09
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG22	11	1.09
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG23	11	1.09
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	13	1.09
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	13	1.09
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	13	1.09
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	16	1.09
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	16	1.09
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	16	1.09
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	12	1.09
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	12	1.09
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	12	1.09
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	12	1.09
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	12	1.09
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	12	1.09
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	12	1.09
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	12	1.09
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	12	1.09
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	20	1.09
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	20	1.09
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	20	1.09
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	20	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	20	1.09
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	20	1.09
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	20	1.09
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	20	1.09
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	20	1.09
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	13	1.09
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	13	1.09
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	13	1.09
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	2	1.09
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	10	1.09
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	2	1.09
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	2	1.09
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	2	1.09
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	18	1.09
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	18	1.09
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	18	1.09
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	8	1.09
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	8	1.09
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	8	1.09
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	13	1.09
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	13	1.09
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	13	1.09
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	3	1.09
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	3	1.09
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	3	1.09
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	4	1.09
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	4	1.09
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	4	1.09
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG11	11	1.09
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG12	11	1.09
(1,1654)	1:88:A:LEU:HG	1:101:A:VAL:HG13	11	1.09
(1,1467)	1:12:A:PHE:HA	1:13:A:LYS:HG2	2	1.09
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	11	1.09
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	11	1.09
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	11	1.09
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	20	1.09
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	20	1.09
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	20	1.09
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	2	1.09
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG11	18	1.09
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG12	18	1.09
(1,829)	1:84:A:ASN:H	1:85:A:VAL:HG13	18	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	2	1.09
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	16	1.09
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	16	1.09
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	16	1.09
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	8	1.09
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	8	1.09
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	8	1.09
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	4	1.08
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	4	1.08
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	4	1.08
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	4	1.08
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	4	1.08
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	4	1.08
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	9	1.08
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	9	1.08
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	9	1.08
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	9	1.08
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	9	1.08
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	9	1.08
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	11	1.08
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	11	1.08
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	11	1.08
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	11	1.08
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	15	1.08
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	15	1.08
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	15	1.08
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	1	1.08
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	1	1.08
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	1	1.08
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	10	1.08
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	10	1.08
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	10	1.08
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	16	1.08
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	16	1.08
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	16	1.08
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	14	1.08
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	14	1.08
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	14	1.08
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	13	1.08
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	13	1.08
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	13	1.08
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	8	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	20	1.08
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	2	1.08
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	16	1.08
(1,2858)	1:28:A:VAL:H	1:29:A:ASP:HB3	3	1.08
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	2	1.08
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	4	1.08
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	4	1.08
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	4	1.08
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	17	1.08
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	8	1.08
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	6	1.08
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	6	1.08
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	6	1.08
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	6	1.08
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	6	1.08
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	6	1.08
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	6	1.08
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	6	1.08
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	6	1.08
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	4	1.08
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	4	1.08
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	4	1.08
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	8	1.08
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	20	1.08
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	20	1.08
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	20	1.08
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	6	1.08
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	6	1.08
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	6	1.08
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	13	1.08
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	13	1.08
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	13	1.08
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	5	1.08
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	12	1.08
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	12	1.08
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	12	1.08
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	15	1.08
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	15	1.08
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	15	1.08
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	15	1.08
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	15	1.08
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	15	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	8	1.08
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	8	1.08
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	8	1.08
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	16	1.08
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	16	1.08
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	16	1.08
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	5	1.08
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	5	1.08
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	5	1.08
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	5	1.08
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	5	1.08
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	5	1.08
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	20	1.08
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	20	1.08
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	20	1.08
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	5	1.08
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	5	1.08
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	5	1.08
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	20	1.08
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	20	1.08
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	20	1.08
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	18	1.08
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	18	1.08
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	18	1.08
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	1	1.08
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	1	1.08
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	1	1.08
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	1	1.08
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	1	1.08
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	1	1.08
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	5	1.08
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	5	1.08
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	5	1.08
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	7	1.08
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	7	1.08
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	7	1.08
(1,1050)	1:98:A:ASN:HD22	1:141:A:GLY:HA2	13	1.08
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	19	1.08
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	4	1.08
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	4	1.08
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	4	1.08
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	6	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	6	1.07
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	6	1.07
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	6	1.07
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	6	1.07
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	6	1.07
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	3	1.07
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	4	1.07
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	4	1.07
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	4	1.07
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	10	1.07
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	10	1.07
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	10	1.07
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	20	1.07
(1,3483)	1:68:A:LYS:HD3	1:121:A:GLU:HG2	10	1.07
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	6	1.07
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	6	1.07
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	6	1.07
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	7	1.07
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	7	1.07
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	7	1.07
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	12	1.07
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	12	1.07
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	12	1.07
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	14	1.07
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	10	1.07
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	7	1.07
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	8	1.07
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	7	1.07
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	7	1.07
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	7	1.07
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	15	1.07
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG21	3	1.07
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG22	3	1.07
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG23	3	1.07
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	12	1.07
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	12	1.07
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	12	1.07
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	12	1.07
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	12	1.07
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	12	1.07
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	12	1.07
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	12	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	12	1.07
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	16	1.07
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	16	1.07
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	16	1.07
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	16	1.07
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	16	1.07
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	16	1.07
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	16	1.07
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	16	1.07
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	16	1.07
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG11	12	1.07
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG12	12	1.07
(1,2415)	1:37:A:VAL:HB	1:182:A:VAL:HG13	12	1.07
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	7	1.07
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	7	1.07
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	7	1.07
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	12	1.07
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	7	1.07
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	7	1.07
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	7	1.07
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	6	1.07
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	6	1.07
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	6	1.07
(1,1975)	1:124:A:LEU:HD21	1:129:A:ASN:HB2	15	1.07
(1,1975)	1:124:A:LEU:HD22	1:129:A:ASN:HB2	15	1.07
(1,1975)	1:124:A:LEU:HD23	1:129:A:ASN:HB2	15	1.07
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	17	1.07
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	17	1.07
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	17	1.07
(1,1660)	1:71:A:VAL:HG11	1:73:A:PHE:HZ	5	1.07
(1,1660)	1:71:A:VAL:HG12	1:73:A:PHE:HZ	5	1.07
(1,1660)	1:71:A:VAL:HG13	1:73:A:PHE:HZ	5	1.07
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	5	1.07
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	5	1.07
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	5	1.07
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD11	10	1.07
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD12	10	1.07
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD13	10	1.07
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	14	1.07
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	14	1.07
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	14	1.07
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	13	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	13	1.07
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	13	1.07
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	13	1.07
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	13	1.07
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	13	1.07
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	13	1.07
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	13	1.07
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	13	1.07
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	2	1.07
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	2	1.07
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	2	1.07
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	2	1.07
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	2	1.07
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	2	1.07
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	4	1.07
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	5	1.07
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	17	1.07
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	17	1.07
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	17	1.07
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	15	1.07
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	15	1.07
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	15	1.07
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	7	1.07
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	1	1.06
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	5	1.06
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	9	1.06
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	11	1.06
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	20	1.06
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	13	1.06
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	13	1.06
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	13	1.06
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	20	1.06
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	4	1.06
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	4	1.06
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	4	1.06
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	4	1.06
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	4	1.06
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	4	1.06
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	4	1.06
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	4	1.06
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	4	1.06
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	17	1.06
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	17	1.06
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	17	1.06
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	17	1.06
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	17	1.06
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	17	1.06
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	17	1.06
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	17	1.06
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD21	18	1.06
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD22	18	1.06
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD23	18	1.06
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD21	18	1.06
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD22	18	1.06
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD23	18	1.06
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD21	18	1.06
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD22	18	1.06
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD23	18	1.06
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	7	1.06
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	7	1.06
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	7	1.06
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	7	1.06
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	7	1.06
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	7	1.06
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	7	1.06
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	7	1.06
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	7	1.06
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	14	1.06
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	14	1.06
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	14	1.06
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	14	1.06
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	14	1.06
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	14	1.06
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	14	1.06
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	14	1.06
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	14	1.06
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	16	1.06
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	16	1.06
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	16	1.06
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	17	1.06
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG21	8	1.06
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG22	8	1.06
(1,1932)	1:16:A:VAL:HG21	1:170:A:VAL:HG23	8	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG21	8	1.06
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG22	8	1.06
(1,1932)	1:16:A:VAL:HG22	1:170:A:VAL:HG23	8	1.06
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG21	8	1.06
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG22	8	1.06
(1,1932)	1:16:A:VAL:HG23	1:170:A:VAL:HG23	8	1.06
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	19	1.06
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	19	1.06
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	19	1.06
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	8	1.06
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	8	1.06
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	8	1.06
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	2	1.06
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	2	1.06
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	2	1.06
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	11	1.06
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	11	1.06
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	11	1.06
(1,1588)	1:111:A:LEU:HD21	1:119:A:SER:HA	20	1.06
(1,1588)	1:111:A:LEU:HD22	1:119:A:SER:HA	20	1.06
(1,1588)	1:111:A:LEU:HD23	1:119:A:SER:HA	20	1.06
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	19	1.06
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	19	1.06
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	19	1.06
(1,1374)	1:104:A:LEU:HD21	1:135:A:ALA:H	1	1.06
(1,1374)	1:104:A:LEU:HD22	1:135:A:ALA:H	1	1.06
(1,1374)	1:104:A:LEU:HD23	1:135:A:ALA:H	1	1.06
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	13	1.06
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	13	1.06
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	13	1.06
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	2	1.06
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	2	1.06
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	2	1.06
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	12	1.06
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	12	1.06
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	12	1.06
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	12	1.06
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	12	1.06
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	12	1.06
(1,957)	1:155:A:LYS:HE2	1:171:A:ASN:HD21	11	1.06
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	20	1.06
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	20	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	20	1.06
(1,445)	1:68:A:LYS:H	1:124:A:LEU:HD11	9	1.06
(1,445)	1:68:A:LYS:H	1:124:A:LEU:HD12	9	1.06
(1,445)	1:68:A:LYS:H	1:124:A:LEU:HD13	9	1.06
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG21	9	1.06
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG22	9	1.06
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG23	9	1.06
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	17	1.06
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	17	1.06
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	17	1.06
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	2	1.06
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	2	1.06
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	2	1.06
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	3	1.06
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	3	1.06
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	3	1.06
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	4	1.06
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	4	1.06
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	4	1.06
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	6	1.06
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	6	1.06
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	6	1.06
(1,46)	1:182:A:VAL:HG11	1:184:A:ALA:H	17	1.06
(1,46)	1:182:A:VAL:HG12	1:184:A:ALA:H	17	1.06
(1,46)	1:182:A:VAL:HG13	1:184:A:ALA:H	17	1.06
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	4	1.06
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	5	1.06
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE1	17	1.05
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE2	17	1.05
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE1	17	1.05
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE2	17	1.05
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE1	17	1.05
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE2	17	1.05
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	13	1.05
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	15	1.05
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	1	1.05
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	19	1.05
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB1	6	1.05
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB2	6	1.05
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB3	6	1.05
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	15	1.05
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	15	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	15	1.05
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	15	1.05
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	15	1.05
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	15	1.05
(1,3039)	1:16:A:VAL:HG21	1:168:A:THR:HB	18	1.05
(1,3039)	1:16:A:VAL:HG22	1:168:A:THR:HB	18	1.05
(1,3039)	1:16:A:VAL:HG23	1:168:A:THR:HB	18	1.05
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	13	1.05
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	13	1.05
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	13	1.05
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	15	1.05
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	15	1.05
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	15	1.05
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	6	1.05
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	6	1.05
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	6	1.05
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	2	1.05
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	11	1.05
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	5	1.05
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	9	1.05
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	12	1.05
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	16	1.05
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	16	1.05
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	16	1.05
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG11	4	1.05
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG12	4	1.05
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG13	4	1.05
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	18	1.05
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	18	1.05
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	18	1.05
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	9	1.05
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	9	1.05
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	9	1.05
(1,1826)	1:89:A:GLN:HA	1:90:A:SER:HB2	8	1.05
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	1	1.05
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	1	1.05
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	1	1.05
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	6	1.05
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	6	1.05
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	6	1.05
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	10	1.05
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	10	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	10	1.05
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	20	1.05
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	20	1.05
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	20	1.05
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	13	1.05
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	13	1.05
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	13	1.05
(1,1698)	1:71:A:VAL:HG11	1:73:A:PHE:H	15	1.05
(1,1698)	1:71:A:VAL:HG12	1:73:A:PHE:H	15	1.05
(1,1698)	1:71:A:VAL:HG13	1:73:A:PHE:H	15	1.05
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	16	1.05
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	16	1.05
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	16	1.05
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	16	1.05
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	16	1.05
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	16	1.05
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	13	1.05
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	13	1.05
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	13	1.05
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	8	1.05
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	12	1.05
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	13	1.05
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	1	1.05
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	1	1.05
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	1	1.05
(1,396)	1:104:A:LEU:HB3	1:135:A:ALA:H	11	1.05
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	18	1.04
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	18	1.04
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	18	1.04
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	18	1.04
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	18	1.04
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	18	1.04
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE1	15	1.04
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE2	15	1.04
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE1	15	1.04
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE2	15	1.04
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE1	15	1.04
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE2	15	1.04
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE1	20	1.04
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE2	20	1.04
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE1	20	1.04
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE2	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE1	20	1.04
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE2	20	1.04
(1,3633)	1:32:A:VAL:HA	1:33:A:GLN:HB3	14	1.04
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	2	1.04
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	11	1.04
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	11	1.04
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	11	1.04
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	10	1.04
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	2	1.04
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	2	1.04
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	2	1.04
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	2	1.04
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	2	1.04
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	2	1.04
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	11	1.04
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB1	7	1.04
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB2	7	1.04
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB3	7	1.04
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB1	12	1.04
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB2	12	1.04
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB3	12	1.04
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	3	1.04
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	3	1.04
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	3	1.04
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	19	1.04
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	19	1.04
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	19	1.04
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	1	1.04
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	1	1.04
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	1	1.04
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	1	1.04
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	1	1.04
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	1	1.04
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	1	1.04
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	1	1.04
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	1	1.04
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	13	1.04
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	13	1.04
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	13	1.04
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	13	1.04
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	13	1.04
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	13	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	13	1.04
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	13	1.04
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	13	1.04
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	3	1.04
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	3	1.04
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	3	1.04
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	10	1.04
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	10	1.04
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	10	1.04
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	19	1.04
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	19	1.04
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	19	1.04
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	19	1.04
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	19	1.04
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	19	1.04
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	19	1.04
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	19	1.04
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	19	1.04
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	19	1.04
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	15	1.04
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	15	1.04
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	15	1.04
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	6	1.04
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	19	1.04
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	12	1.04
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	12	1.04
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	12	1.04
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	1	1.04
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	1	1.04
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	1	1.04
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	1	1.04
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	1	1.04
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	1	1.04
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG11	8	1.04
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG12	8	1.04
(1,1821)	1:180:A:GLU:HA	1:181:A:VAL:HG13	8	1.04
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	6	1.04
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	6	1.04
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	6	1.04
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	9	1.04
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	9	1.04
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB2	5	1.04
(1,1663)	1:71:A:VAL:HG11	1:154:A:PHE:HB3	5	1.04
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB2	5	1.04
(1,1663)	1:71:A:VAL:HG12	1:154:A:PHE:HB3	5	1.04
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB2	5	1.04
(1,1663)	1:71:A:VAL:HG13	1:154:A:PHE:HB3	5	1.04
(1,1660)	1:71:A:VAL:HG11	1:73:A:PHE:HZ	17	1.04
(1,1660)	1:71:A:VAL:HG12	1:73:A:PHE:HZ	17	1.04
(1,1660)	1:71:A:VAL:HG13	1:73:A:PHE:HZ	17	1.04
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	19	1.04
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	19	1.04
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	19	1.04
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	2	1.04
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	2	1.04
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	2	1.04
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	15	1.04
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	15	1.04
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	15	1.04
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	8	1.04
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	2	1.04
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	2	1.04
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	2	1.04
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	18	1.04
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	18	1.04
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	18	1.04
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	13	1.04
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	13	1.04
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	13	1.04
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	15	1.04
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	15	1.04
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	15	1.04
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	18	1.04
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	18	1.04
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	18	1.04
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	8	1.04
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	8	1.04
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	8	1.04
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE1	2	1.03
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE2	2	1.03
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE1	2	1.03
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE2	2	1.03
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE1	2	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE2	2	1.03
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	1	1.03
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	1	1.03
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	1	1.03
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	1	1.03
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	1	1.03
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	1	1.03
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	1	1.03
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	1	1.03
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	17	1.03
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	10	1.03
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	10	1.03
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	10	1.03
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	10	1.03
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	10	1.03
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	10	1.03
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	17	1.03
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	17	1.03
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	17	1.03
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	4	1.03
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	4	1.03
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	4	1.03
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	4	1.03
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	4	1.03
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	4	1.03
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	4	1.03
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	4	1.03
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	4	1.03
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	6	1.03
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	6	1.03
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	6	1.03
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	5	1.03
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	1	1.03
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	1	1.03
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	1	1.03
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	4	1.03
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	4	1.03
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	4	1.03
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	20	1.03
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	20	1.03
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	20	1.03
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	20	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	20	1.03
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	20	1.03
(1,1720)	1:24:A:ASP:HA	1:59:A:ASN:HB2	19	1.03
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	18	1.03
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	18	1.03
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	18	1.03
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	15	1.03
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	15	1.03
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	15	1.03
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	15	1.03
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	15	1.03
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	15	1.03
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	18	1.03
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	18	1.03
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	18	1.03
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	13	1.03
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	13	1.03
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	13	1.03
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	13	1.03
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	13	1.03
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	13	1.03
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	13	1.03
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	13	1.03
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	13	1.03
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	10	1.03
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	10	1.03
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	10	1.03
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	19	1.03
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	19	1.03
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	19	1.03
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	19	1.03
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	19	1.03
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	19	1.03
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	15	1.03
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	15	1.03
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	15	1.03
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	9	1.03
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	5	1.03
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	9	1.02
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	9	1.02
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	9	1.02
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	9	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	9	1.02
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	9	1.02
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	5	1.02
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	5	1.02
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	5	1.02
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	3	1.02
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	3	1.02
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	3	1.02
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG2	9	1.02
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG3	9	1.02
(1,3185)	1:34:A:LEU:HD11	1:52:A:VAL:HB	15	1.02
(1,3185)	1:34:A:LEU:HD12	1:52:A:VAL:HB	15	1.02
(1,3185)	1:34:A:LEU:HD13	1:52:A:VAL:HB	15	1.02
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	8	1.02
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	10	1.02
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	19	1.02
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	15	1.02
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	15	1.02
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	15	1.02
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	11	1.02
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	11	1.02
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	11	1.02
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	11	1.02
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	11	1.02
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	11	1.02
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	11	1.02
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	11	1.02
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	11	1.02
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	3	1.02
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	3	1.02
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	3	1.02
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	3	1.02
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	3	1.02
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	3	1.02
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	3	1.02
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	3	1.02
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	3	1.02
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	19	1.02
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	19	1.02
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	19	1.02
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	15	1.02
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	15	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	15	1.02
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	15	1.02
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	15	1.02
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	15	1.02
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	15	1.02
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	15	1.02
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	15	1.02
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	18	1.02
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	18	1.02
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	18	1.02
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	18	1.02
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	18	1.02
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	18	1.02
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	18	1.02
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	18	1.02
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	18	1.02
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	15	1.02
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	15	1.02
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	15	1.02
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	10	1.02
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	10	1.02
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	10	1.02
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	1	1.02
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	7	1.02
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	7	1.02
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	7	1.02
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	7	1.02
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	7	1.02
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	7	1.02
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	7	1.02
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	7	1.02
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	7	1.02
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	6	1.02
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	6	1.02
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	6	1.02
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG11	11	1.02
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG12	11	1.02
(1,1921)	1:84:A:ASN:HA	1:85:A:VAL:HG13	11	1.02
(1,1826)	1:89:A:GLN:HA	1:90:A:SER:HB2	2	1.02
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	7	1.02
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	7	1.02
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	19	1.02
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	19	1.02
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	19	1.02
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	7	1.02
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	7	1.02
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	7	1.02
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	11	1.02
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	11	1.02
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	11	1.02
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG21	15	1.02
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG22	15	1.02
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG23	15	1.02
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	7	1.02
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	7	1.02
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	7	1.02
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	7	1.02
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	7	1.02
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	7	1.02
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	7	1.02
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	7	1.02
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	7	1.02
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	5	1.02
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	5	1.02
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	5	1.02
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	12	1.02
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	12	1.02
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	12	1.02
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	4	1.02
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	5	1.02
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	5	1.02
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	5	1.02
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	20	1.02
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE1	5	1.01
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE2	5	1.01
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE1	5	1.01
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE2	5	1.01
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE1	5	1.01
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE2	5	1.01
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	5	1.01
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	5	1.01
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	5	1.01
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	5	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	5	1.01
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	5	1.01
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	4	1.01
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	9	1.01
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	9	1.01
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	9	1.01
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	11	1.01
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	17	1.01
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	17	1.01
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	17	1.01
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	16	1.01
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	16	1.01
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	16	1.01
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	4	1.01
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	7	1.01
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	8	1.01
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	9	1.01
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	17	1.01
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	18	1.01
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	5	1.01
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	5	1.01
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	5	1.01
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	17	1.01
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	17	1.01
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	17	1.01
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	15	1.01
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	15	1.01
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	15	1.01
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	16	1.01
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	16	1.01
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	16	1.01
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	12	1.01
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	12	1.01
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	12	1.01
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	12	1.01
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	12	1.01
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	12	1.01
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	12	1.01
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	12	1.01
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	12	1.01
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	18	1.01
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	18	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	18	1.01
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG21	3	1.01
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG22	3	1.01
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG23	3	1.01
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG21	17	1.01
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG22	17	1.01
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG23	17	1.01
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	5	1.01
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	5	1.01
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	5	1.01
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	2	1.01
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	2	1.01
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	2	1.01
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	9	1.01
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	9	1.01
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	9	1.01
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	18	1.01
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	19	1.01
(1,495)	1:13:A:LYS:HB2	1:15:A:GLU:H	12	1.01
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	19	1.01
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	19	1.01
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	19	1.01
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	2	1.01
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	17	1.0
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	17	1.0
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	17	1.0
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	6	1.0
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	7	1.0
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	19	1.0
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	19	1.0
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	19	1.0
(1,3512)	1:111:A:LEU:HD21	1:120:A:SER:HB3	16	1.0
(1,3512)	1:111:A:LEU:HD22	1:120:A:SER:HB3	16	1.0
(1,3512)	1:111:A:LEU:HD23	1:120:A:SER:HB3	16	1.0
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	3	1.0
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	16	1.0
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	9	1.0
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	9	1.0
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	9	1.0
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	9	1.0
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	9	1.0
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	3	1.0
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	3	1.0
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	3	1.0
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	6	1.0
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	20	1.0
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	2	1.0
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	13	1.0
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	13	1.0
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	13	1.0
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	13	1.0
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	13	1.0
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	13	1.0
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	14	1.0
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	14	1.0
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	14	1.0
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG21	17	1.0
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG22	17	1.0
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG23	17	1.0
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	14	1.0
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	10	1.0
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	10	1.0
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	10	1.0
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	10	1.0
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	10	1.0
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	10	1.0
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	10	1.0
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	10	1.0
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	10	1.0
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	3	1.0
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	3	1.0
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	3	1.0
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	3	1.0
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	3	1.0
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	3	1.0
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	3	1.0
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	3	1.0
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	3	1.0
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	16	1.0
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG11	4	1.0
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG12	4	1.0
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG13	4	1.0
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	5	1.0
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	5	1.0
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	5	1.0
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	5	1.0
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	5	1.0
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	10	1.0
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	10	1.0
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	10	1.0
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	10	1.0
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	10	1.0
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	10	1.0
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	1	1.0
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	1	1.0
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	1	1.0
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	8	1.0
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	8	1.0
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	8	1.0
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	13	1.0
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	13	1.0
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	13	1.0
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	16	1.0
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	16	1.0
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	16	1.0
(1,1708)	1:85:A:VAL:HG21	1:100:A:GLY:H	4	1.0
(1,1708)	1:85:A:VAL:HG22	1:100:A:GLY:H	4	1.0
(1,1708)	1:85:A:VAL:HG23	1:100:A:GLY:H	4	1.0
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	15	1.0
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	15	1.0
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	15	1.0
(1,1660)	1:71:A:VAL:HG11	1:73:A:PHE:HZ	11	1.0
(1,1660)	1:71:A:VAL:HG12	1:73:A:PHE:HZ	11	1.0
(1,1660)	1:71:A:VAL:HG13	1:73:A:PHE:HZ	11	1.0
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	18	1.0
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	18	1.0
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	18	1.0
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	17	1.0
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	17	1.0
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	17	1.0
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	16	1.0
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	16	1.0
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	16	1.0
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	16	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	16	1.0
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	16	1.0
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	16	1.0
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	16	1.0
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	16	1.0
(1,1380)	1:104:A:LEU:HD21	1:134:A:GLN:HA	1	1.0
(1,1380)	1:104:A:LEU:HD22	1:134:A:GLN:HA	1	1.0
(1,1380)	1:104:A:LEU:HD23	1:134:A:GLN:HA	1	1.0
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	15	1.0
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	15	1.0
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	15	1.0
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	16	1.0
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	16	1.0
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	16	1.0
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	9	1.0
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	9	1.0
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	9	1.0
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	5	1.0
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	5	1.0
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	5	1.0
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	15	1.0
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	11	1.0
(1,297)	1:16:A:VAL:HG21	1:18:A:ASN:H	10	1.0
(1,297)	1:16:A:VAL:HG22	1:18:A:ASN:H	10	1.0
(1,297)	1:16:A:VAL:HG23	1:18:A:ASN:H	10	1.0
(1,297)	1:16:A:VAL:HG21	1:18:A:ASN:H	20	1.0
(1,297)	1:16:A:VAL:HG22	1:18:A:ASN:H	20	1.0
(1,297)	1:16:A:VAL:HG23	1:18:A:ASN:H	20	1.0
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	3	1.0
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	3	1.0
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	3	1.0
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG11	9	0.99
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG12	9	0.99
(1,3988)	1:137:A:TYR:HE1	1:181:A:VAL:HG13	9	0.99
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG11	9	0.99
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG12	9	0.99
(1,3988)	1:137:A:TYR:HE2	1:181:A:VAL:HG13	9	0.99
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	13	0.99
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	13	0.99
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	13	0.99
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	13	0.99
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	13	0.99
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	2	0.99
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	2	0.99
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	2	0.99
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	15	0.99
(1,3512)	1:111:A:LEU:HD21	1:120:A:SER:HB3	18	0.99
(1,3512)	1:111:A:LEU:HD22	1:120:A:SER:HB3	18	0.99
(1,3512)	1:111:A:LEU:HD23	1:120:A:SER:HB3	18	0.99
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	3	0.99
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	3	0.99
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	3	0.99
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	3	0.99
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	3	0.99
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	3	0.99
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	18	0.99
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	18	0.99
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	18	0.99
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	8	0.99
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	8	0.99
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	8	0.99
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	1	0.99
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	13	0.99
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	3	0.99
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	8	0.99
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	8	0.99
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	8	0.99
(1,2846)	1:54:A:PHE:HA	1:55:A:ASN:HB3	3	0.99
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	10	0.99
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	6	0.99
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	12	0.99
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	12	0.99
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	12	0.99
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG21	16	0.99
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG22	16	0.99
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG23	16	0.99
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	16	0.99
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	16	0.99
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	16	0.99
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	16	0.99
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	16	0.99
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	16	0.99
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	16	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	16	0.99
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	16	0.99
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	3	0.99
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	3	0.99
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	3	0.99
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG11	5	0.99
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG12	5	0.99
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG13	5	0.99
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	2	0.99
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	2	0.99
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	2	0.99
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	18	0.99
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	18	0.99
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	18	0.99
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	16	0.99
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	16	0.99
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	16	0.99
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	16	0.99
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	16	0.99
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	16	0.99
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	1	0.99
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	1	0.99
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	1	0.99
(1,1695)	1:71:A:VAL:HG11	1:72:A:ALA:H	8	0.99
(1,1695)	1:71:A:VAL:HG12	1:72:A:ALA:H	8	0.99
(1,1695)	1:71:A:VAL:HG13	1:72:A:ALA:H	8	0.99
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	4	0.99
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	4	0.99
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	4	0.99
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	10	0.99
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	10	0.99
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	10	0.99
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	8	0.99
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	8	0.99
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	8	0.99
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	7	0.99
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	7	0.99
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	7	0.99
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	7	0.99
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	7	0.99
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	7	0.99
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	12	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	12	0.99
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	12	0.99
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	12	0.99
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	12	0.99
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	12	0.99
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	12	0.99
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	12	0.99
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	12	0.99
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	7	0.99
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	7	0.99
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	7	0.99
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	20	0.99
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	20	0.99
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	20	0.99
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG11	15	0.99
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG12	15	0.99
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG13	15	0.99
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	11	0.99
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	16	0.99
(1,297)	1:16:A:VAL:HG21	1:18:A:ASN:H	14	0.99
(1,297)	1:16:A:VAL:HG22	1:18:A:ASN:H	14	0.99
(1,297)	1:16:A:VAL:HG23	1:18:A:ASN:H	14	0.99
(1,158)	1:84:A:ASN:HB2	1:113:A:LEU:H	5	0.99
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	19	0.98
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	19	0.98
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	19	0.98
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	19	0.98
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	19	0.98
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	19	0.98
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE1	4	0.98
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE2	4	0.98
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE1	4	0.98
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE2	4	0.98
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE1	4	0.98
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE2	4	0.98
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	14	0.98
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	14	0.98
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	14	0.98
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	14	0.98
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	14	0.98
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	14	0.98
(1,3775)	1:106:A:ARG:HG3	1:120:A:SER:HB2	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3513)	1:106:A:ARG:HG3	1:120:A:SER:HB3	16	0.98
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	6	0.98
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	6	0.98
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	6	0.98
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	3	0.98
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	4	0.98
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	16	0.98
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	16	0.98
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	16	0.98
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG11	19	0.98
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG12	19	0.98
(1,2310)	1:156:A:VAL:HG11	1:170:A:VAL:HG13	19	0.98
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG11	19	0.98
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG12	19	0.98
(1,2310)	1:156:A:VAL:HG12	1:170:A:VAL:HG13	19	0.98
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG11	19	0.98
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG12	19	0.98
(1,2310)	1:156:A:VAL:HG13	1:170:A:VAL:HG13	19	0.98
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	20	0.98
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	20	0.98
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	20	0.98
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	4	0.98
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	4	0.98
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	4	0.98
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	4	0.98
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	14	0.98
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	14	0.98
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	14	0.98
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG11	6	0.98
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG12	6	0.98
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG13	6	0.98
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	12	0.98
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	12	0.98
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	12	0.98
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	5	0.98
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	5	0.98
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	5	0.98
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	8	0.98
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	8	0.98
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	8	0.98
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	19	0.98
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	19	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	19	0.98
(1,1585)	1:111:A:LEU:HD21	1:112:A:THR:H	19	0.98
(1,1585)	1:111:A:LEU:HD22	1:112:A:THR:H	19	0.98
(1,1585)	1:111:A:LEU:HD23	1:112:A:THR:H	19	0.98
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	10	0.98
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	10	0.98
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	10	0.98
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	4	0.98
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	4	0.98
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	4	0.98
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	14	0.98
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	14	0.98
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	14	0.98
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	9	0.98
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	9	0.98
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	9	0.98
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	9	0.98
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	9	0.98
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	9	0.98
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	9	0.98
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	9	0.98
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	9	0.98
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	14	0.98
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	14	0.98
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	14	0.98
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	14	0.98
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	14	0.98
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	14	0.98
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	14	0.98
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	14	0.98
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	14	0.98
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	7	0.98
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	7	0.98
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	7	0.98
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	7	0.98
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	7	0.98
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	7	0.98
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	7	0.98
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	7	0.98
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	7	0.98
(1,1323)	1:111:A:LEU:HD21	1:118:A:PHE:HA	18	0.98
(1,1323)	1:111:A:LEU:HD22	1:118:A:PHE:HA	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:111:A:LEU:HD23	1:118:A:PHE:HA	18	0.98
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	6	0.98
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	6	0.98
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	6	0.98
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	17	0.98
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	17	0.98
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	17	0.98
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	4	0.98
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	4	0.98
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	4	0.98
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD11	15	0.98
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD12	15	0.98
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD13	15	0.98
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD11	18	0.98
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD12	18	0.98
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD13	18	0.98
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	13	0.98
(1,495)	1:13:A:LYS:HB2	1:15:A:GLU:H	5	0.98
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	18	0.98
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE1	19	0.97
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE2	19	0.97
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE1	19	0.97
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE2	19	0.97
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE1	19	0.97
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE2	19	0.97
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	7	0.97
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	7	0.97
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	1	0.97
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	1	0.97
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	1	0.97
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	17	0.97
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	17	0.97
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	17	0.97
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	8	0.97
(1,3388)	1:95:A:SER:HB3	1:147:A:ALA:HB1	17	0.97
(1,3388)	1:95:A:SER:HB3	1:147:A:ALA:HB2	17	0.97
(1,3388)	1:95:A:SER:HB3	1:147:A:ALA:HB3	17	0.97
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	11	0.97
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	11	0.97
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	11	0.97
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	20	0.97
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	20	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	20	0.97
(1,3039)	1:16:A:VAL:HG21	1:168:A:THR:HB	20	0.97
(1,3039)	1:16:A:VAL:HG22	1:168:A:THR:HB	20	0.97
(1,3039)	1:16:A:VAL:HG23	1:168:A:THR:HB	20	0.97
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG11	7	0.97
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG12	7	0.97
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG13	7	0.97
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG11	7	0.97
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG12	7	0.97
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG13	7	0.97
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	2	0.97
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	2	0.97
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	2	0.97
(1,2576)	1:59:A:ASN:HA	1:129:A:ASN:HD21	8	0.97
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	8	0.97
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	8	0.97
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	8	0.97
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	8	0.97
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	8	0.97
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	8	0.97
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	8	0.97
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	8	0.97
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	8	0.97
(1,2192)	1:34:A:LEU:HD21	1:178:A:LYS:HA	5	0.97
(1,2192)	1:34:A:LEU:HD22	1:178:A:LYS:HA	5	0.97
(1,2192)	1:34:A:LEU:HD23	1:178:A:LYS:HA	5	0.97
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	1	0.97
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	11	0.97
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	11	0.97
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	11	0.97
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	3	0.97
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	3	0.97
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	3	0.97
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	3	0.97
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	3	0.97
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	3	0.97
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	3	0.97
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	3	0.97
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	3	0.97
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	15	0.97
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	15	0.97
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	15	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	14	0.97
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	14	0.97
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	14	0.97
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	14	0.97
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	14	0.97
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	14	0.97
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	14	0.97
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	14	0.97
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	14	0.97
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	2	0.97
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	2	0.97
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	2	0.97
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	14	0.97
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	14	0.97
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	14	0.97
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	14	0.97
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	14	0.97
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	14	0.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	14	0.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	14	0.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	14	0.97
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	19	0.97
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	19	0.97
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	19	0.97
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	19	0.97
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	19	0.97
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	19	0.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	19	0.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	19	0.97
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	19	0.97
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	20	0.97
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	20	0.97
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	20	0.97
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	5	0.97
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	5	0.97
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	5	0.97
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	5	0.97
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	5	0.97
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	5	0.97
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	5	0.97
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	5	0.97
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	5	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	4	0.97
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	4	0.97
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	4	0.97
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	4	0.97
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	4	0.97
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	4	0.97
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	4	0.97
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	4	0.97
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	4	0.97
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	10	0.97
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	18	0.97
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	18	0.97
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	18	0.97
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	3	0.97
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	3	0.97
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	3	0.97
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG21	15	0.97
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG22	15	0.97
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG23	15	0.97
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	7	0.97
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	7	0.97
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	7	0.97
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	18	0.97
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	18	0.97
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	18	0.97
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	9	0.96
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	9	0.96
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	9	0.96
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	11	0.96
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	11	0.96
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	11	0.96
(1,3323)	1:119:A:SER:HB3	1:120:A:SER:HB2	11	0.96
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	15	0.96
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	15	0.96
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	11	0.96
(1,3072)	1:55:A:ASN:HB2	1:130:A:THR:HB	3	0.96
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	10	0.96
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	5	0.96
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	5	0.96
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	5	0.96
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	8	0.96
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	8	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	8	0.96
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	13	0.96
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	20	0.96
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	4	0.96
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	12	0.96
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	14	0.96
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	14	0.96
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	14	0.96
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	12	0.96
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	12	0.96
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	12	0.96
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	17	0.96
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	17	0.96
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	17	0.96
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	5	0.96
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	5	0.96
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	5	0.96
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	5	0.96
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	5	0.96
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	5	0.96
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	20	0.96
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	20	0.96
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	20	0.96
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	15	0.96
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	15	0.96
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	15	0.96
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	15	0.96
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	15	0.96
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	15	0.96
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	15	0.96
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	15	0.96
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	15	0.96
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	3	0.96
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	3	0.96
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	3	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	6	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	6	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	6	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	6	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	6	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	6	0.96
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	6	0.96
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	6	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	8	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	8	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	8	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	8	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	8	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	8	0.96
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	8	0.96
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	8	0.96
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	8	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	13	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	13	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	13	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	13	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	13	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	13	0.96
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	13	0.96
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	13	0.96
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	13	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	17	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	17	0.96
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	17	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	17	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	17	0.96
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	17	0.96
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	17	0.96
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	17	0.96
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	17	0.96
(1,1362)	1:86:A:LEU:HD21	1:101:A:VAL:HA	7	0.96
(1,1362)	1:86:A:LEU:HD22	1:101:A:VAL:HA	7	0.96
(1,1362)	1:86:A:LEU:HD23	1:101:A:VAL:HA	7	0.96
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	15	0.96
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	15	0.96
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	15	0.96
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	10	0.96
(1,966)	1:16:A:VAL:HG21	1:18:A:ASN:HD21	13	0.96
(1,966)	1:16:A:VAL:HG22	1:18:A:ASN:HD21	13	0.96
(1,966)	1:16:A:VAL:HG23	1:18:A:ASN:HD21	13	0.96
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	11	0.96
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	11	0.96
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	11	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	1	0.96
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	1	0.96
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	1	0.96
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	5	0.96
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	5	0.96
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	5	0.96
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	1	0.95
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	1	0.95
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	1	0.95
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	1	0.95
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	1	0.95
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	1	0.95
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	7	0.95
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	7	0.95
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	7	0.95
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	7	0.95
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	7	0.95
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	7	0.95
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	9	0.95
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	15	0.95
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	12	0.95
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	17	0.95
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	11	0.95
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	19	0.95
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	9	0.95
(1,2899)	1:68:A:LYS:HE2	1:121:A:GLU:HG2	17	0.95
(1,2899)	1:68:A:LYS:HE3	1:121:A:GLU:HG2	17	0.95
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	7	0.95
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	7	0.95
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	7	0.95
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	7	0.95
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	3	0.95
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	16	0.95
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	15	0.95
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	15	0.95
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	15	0.95
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG21	18	0.95
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG22	18	0.95
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG23	18	0.95
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG21	18	0.95
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG22	18	0.95
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG23	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG21	18	0.95
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG22	18	0.95
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG23	18	0.95
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	20	0.95
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	20	0.95
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	20	0.95
(1,1826)	1:89:A:GLN:HA	1:90:A:SER:HB2	3	0.95
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	12	0.95
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	12	0.95
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	12	0.95
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	3	0.95
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	3	0.95
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	3	0.95
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	9	0.95
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	9	0.95
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	9	0.95
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	16	0.95
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	16	0.95
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	16	0.95
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	4	0.95
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	4	0.95
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	4	0.95
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	9	0.95
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	4	0.95
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	1	0.95
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	16	0.95
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	20	0.95
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	20	0.95
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	20	0.95
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	20	0.95
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG21	10	0.95
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG22	10	0.95
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG23	10	0.95
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	1	0.95
(1,49)	1:23:A:VAL:HG21	1:57:A:GLN:H	15	0.95
(1,49)	1:23:A:VAL:HG22	1:57:A:GLN:H	15	0.95
(1,49)	1:23:A:VAL:HG23	1:57:A:GLN:H	15	0.95
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	20	0.94
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	20	0.94
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	13	0.94
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	10	0.94
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	10	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	10	0.94
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG21	19	0.94
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG22	19	0.94
(1,3347)	1:39:A:THR:HA	1:181:A:VAL:HG23	19	0.94
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	2	0.94
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	16	0.94
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG21	17	0.94
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG22	17	0.94
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG23	17	0.94
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG11	19	0.94
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG12	19	0.94
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG13	19	0.94
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG11	19	0.94
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG12	19	0.94
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG13	19	0.94
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	1	0.94
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	5	0.94
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	14	0.94
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG11	9	0.94
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG12	9	0.94
(1,2834)	1:38:A:ARG:HD2	1:182:A:VAL:HG13	9	0.94
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG11	9	0.94
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG12	9	0.94
(1,2834)	1:38:A:ARG:HD3	1:182:A:VAL:HG13	9	0.94
(1,2740)	1:85:A:VAL:HG21	1:100:A:GLY:HA3	4	0.94
(1,2740)	1:85:A:VAL:HG22	1:100:A:GLY:HA3	4	0.94
(1,2740)	1:85:A:VAL:HG23	1:100:A:GLY:HA3	4	0.94
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	19	0.94
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	16	0.94
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	16	0.94
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	16	0.94
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	2	0.94
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	2	0.94
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	2	0.94
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	17	0.94
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	17	0.94
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	17	0.94
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	16	0.94
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	16	0.94
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	16	0.94
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	17	0.94
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	17	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	17	0.94
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	15	0.94
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	15	0.94
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	15	0.94
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	14	0.94
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	14	0.94
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	14	0.94
(1,1695)	1:71:A:VAL:HG11	1:72:A:ALA:H	2	0.94
(1,1695)	1:71:A:VAL:HG12	1:72:A:ALA:H	2	0.94
(1,1695)	1:71:A:VAL:HG13	1:72:A:ALA:H	2	0.94
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	6	0.94
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	6	0.94
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	6	0.94
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	17	0.94
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	17	0.94
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	17	0.94
(1,1588)	1:111:A:LEU:HD21	1:119:A:SER:HA	19	0.94
(1,1588)	1:111:A:LEU:HD22	1:119:A:SER:HA	19	0.94
(1,1588)	1:111:A:LEU:HD23	1:119:A:SER:HA	19	0.94
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	3	0.94
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	3	0.94
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	3	0.94
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	3	0.94
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	3	0.94
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	3	0.94
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	3	0.94
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	3	0.94
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	3	0.94
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	14	0.94
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	14	0.94
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	14	0.94
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	11	0.94
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	11	0.94
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	11	0.94
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	7	0.94
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	7	0.94
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	7	0.94
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	20	0.94
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	20	0.94
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	20	0.94
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	6	0.94
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	6	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	6	0.94
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	13	0.94
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	13	0.94
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	13	0.94
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	11	0.94
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	11	0.94
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	11	0.94
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	11	0.94
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	11	0.94
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	11	0.94
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	11	0.94
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	11	0.94
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	11	0.94
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	12	0.94
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	12	0.94
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	12	0.94
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	12	0.94
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	12	0.94
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	12	0.94
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	12	0.94
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	12	0.94
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	12	0.94
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	12	0.94
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	12	0.94
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	12	0.94
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	19	0.94
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	19	0.94
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	19	0.94
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	12	0.94
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	12	0.94
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	12	0.94
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	3	0.94
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	3	0.94
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	3	0.94
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	3	0.94
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	3	0.94
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	3	0.94
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	15	0.94
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	15	0.94
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	15	0.94
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	7	0.94
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	11	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG11	4	0.94
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG12	4	0.94
(1,526)	1:82:A:HIS:H	1:85:A:VAL:HG13	4	0.94
(1,495)	1:13:A:LYS:HB2	1:15:A:GLU:H	16	0.94
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	20	0.94
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	20	0.94
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	20	0.94
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	1	0.93
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	1	0.93
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	1	0.93
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	12	0.93
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	12	0.93
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	12	0.93
(1,3527)	1:176:A:HIS:HB2	1:178:A:LYS:HE2	14	0.93
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	2	0.93
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	6	0.93
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	7	0.93
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	6	0.93
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG21	19	0.93
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG22	19	0.93
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG23	19	0.93
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG21	10	0.93
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG22	10	0.93
(1,2547)	1:70:A:ALA:HA	1:156:A:VAL:HG23	10	0.93
(1,2514)	1:18:A:ASN:HB3	1:19:A:ALA:HA	16	0.93
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	18	0.93
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	18	0.93
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	18	0.93
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	18	0.93
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	18	0.93
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	18	0.93
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	18	0.93
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	18	0.93
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	18	0.93
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	11	0.93
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	11	0.93
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	11	0.93
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	15	0.93
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	15	0.93
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	15	0.93
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	12	0.93
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	12	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	12	0.93
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	12	0.93
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	12	0.93
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	12	0.93
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	13	0.93
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	13	0.93
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	13	0.93
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	7	0.93
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	7	0.93
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	7	0.93
(1,1744)	1:23:A:VAL:HG11	1:59:A:ASN:H	17	0.93
(1,1744)	1:23:A:VAL:HG12	1:59:A:ASN:H	17	0.93
(1,1744)	1:23:A:VAL:HG13	1:59:A:ASN:H	17	0.93
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	14	0.93
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	14	0.93
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	14	0.93
(1,1695)	1:71:A:VAL:HG11	1:72:A:ALA:H	10	0.93
(1,1695)	1:71:A:VAL:HG12	1:72:A:ALA:H	10	0.93
(1,1695)	1:71:A:VAL:HG13	1:72:A:ALA:H	10	0.93
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	7	0.93
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	7	0.93
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	7	0.93
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	9	0.93
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	9	0.93
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	9	0.93
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	18	0.93
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	18	0.93
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	18	0.93
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	18	0.93
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	18	0.93
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	18	0.93
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	18	0.93
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	18	0.93
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	18	0.93
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	4	0.93
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	4	0.93
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	4	0.93
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	6	0.93
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	6	0.93
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	6	0.93
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	13	0.93
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	13	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	13	0.93
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	1	0.93
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	1	0.93
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	1	0.93
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	1	0.93
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	1	0.93
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	1	0.93
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	1	0.93
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	1	0.93
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	1	0.93
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	1	0.93
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	1	0.93
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	1	0.93
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	4	0.93
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	4	0.93
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	4	0.93
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	4	0.93
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	4	0.93
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	4	0.93
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	4	0.93
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	4	0.93
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	4	0.93
(1,1323)	1:111:A:LEU:HD21	1:118:A:PHE:HA	10	0.93
(1,1323)	1:111:A:LEU:HD22	1:118:A:PHE:HA	10	0.93
(1,1323)	1:111:A:LEU:HD23	1:118:A:PHE:HA	10	0.93
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	10	0.93
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	10	0.93
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	10	0.93
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	18	0.93
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	18	0.93
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	18	0.93
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	4	0.93
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	17	0.93
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG21	17	0.93
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG22	17	0.93
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG23	17	0.93
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE1	9	0.92
(1,3913)	1:71:A:VAL:HG11	1:73:A:PHE:HE2	9	0.92
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE1	9	0.92
(1,3913)	1:71:A:VAL:HG12	1:73:A:PHE:HE2	9	0.92
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE1	9	0.92
(1,3913)	1:71:A:VAL:HG13	1:73:A:PHE:HE2	9	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	16	0.92
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	16	0.92
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	6	0.92
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	6	0.92
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	6	0.92
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	6	0.92
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	6	0.92
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	6	0.92
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	10	0.92
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	10	0.92
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	10	0.92
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	10	0.92
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	10	0.92
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	10	0.92
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	14	0.92
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	14	0.92
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	14	0.92
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	14	0.92
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	14	0.92
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	14	0.92
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	13	0.92
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	13	0.92
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	5	0.92
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	6	0.92
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	17	0.92
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	15	0.92
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG21	5	0.92
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG22	5	0.92
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG23	5	0.92
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG21	7	0.92
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG22	7	0.92
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG23	7	0.92
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG21	13	0.92
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG22	13	0.92
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG23	13	0.92
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	12	0.92
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	7	0.92
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	7	0.92
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	7	0.92
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG21	5	0.92
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG22	5	0.92
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG23	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	20	0.92
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	20	0.92
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	20	0.92
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG11	10	0.92
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG12	10	0.92
(1,2068)	1:15:A:GLU:HA	1:16:A:VAL:HG13	10	0.92
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	3	0.92
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	3	0.92
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	3	0.92
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG21	6	0.92
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG22	6	0.92
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG23	6	0.92
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG21	6	0.92
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG22	6	0.92
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG23	6	0.92
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG21	6	0.92
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG22	6	0.92
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG23	6	0.92
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	3	0.92
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	3	0.92
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	3	0.92
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG21	11	0.92
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG22	11	0.92
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG23	11	0.92
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG21	11	0.92
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG22	11	0.92
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG23	11	0.92
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG21	11	0.92
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG22	11	0.92
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG23	11	0.92
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	10	0.92
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	10	0.92
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	10	0.92
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	18	0.92
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	18	0.92
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	18	0.92
(1,1720)	1:24:A:ASP:HA	1:59:A:ASN:HB2	2	0.92
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	20	0.92
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	20	0.92
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	20	0.92
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	18	0.92
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	18	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	18	0.92
(1,1660)	1:71:A:VAL:HG11	1:73:A:PHE:HZ	2	0.92
(1,1660)	1:71:A:VAL:HG12	1:73:A:PHE:HZ	2	0.92
(1,1660)	1:71:A:VAL:HG13	1:73:A:PHE:HZ	2	0.92
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	15	0.92
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	15	0.92
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	15	0.92
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	4	0.92
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	4	0.92
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	4	0.92
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	9	0.92
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	9	0.92
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	9	0.92
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	9	0.92
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	9	0.92
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	9	0.92
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	9	0.92
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	9	0.92
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	9	0.92
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	18	0.92
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	18	0.92
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	18	0.92
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	1	0.92
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	1	0.92
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	1	0.92
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	7	0.92
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	7	0.92
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	7	0.92
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	19	0.92
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	19	0.92
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	19	0.92
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	13	0.92
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	13	0.92
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	13	0.92
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	13	0.92
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	13	0.92
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	13	0.92
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	13	0.92
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	13	0.92
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	13	0.92
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	6	0.92
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	6	0.92
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	1	0.92
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	11	0.92
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	16	0.92
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	14	0.92
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	3	0.92
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	12	0.92
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE1	10	0.91
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE2	10	0.91
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE1	10	0.91
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE2	10	0.91
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE1	10	0.91
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE2	10	0.91
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	16	0.91
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	16	0.91
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	16	0.91
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	16	0.91
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	16	0.91
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	16	0.91
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	8	0.91
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	8	0.91
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	8	0.91
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	8	0.91
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	8	0.91
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	8	0.91
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	3	0.91
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	3	0.91
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	3	0.91
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	4	0.91
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	4	0.91
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	4	0.91
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	7	0.91
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	7	0.91
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	7	0.91
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	7	0.91
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	19	0.91
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	2	0.91
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	10	0.91
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	6	0.91
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	6	0.91
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	6	0.91
(1,3162)	1:104:A:LEU:HB3	1:134:A:GLN:HB3	15	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG21	1	0.91
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG22	1	0.91
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG23	1	0.91
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG21	8	0.91
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG22	8	0.91
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG23	8	0.91
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG21	14	0.91
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG22	14	0.91
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG23	14	0.91
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	6	0.91
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	7	0.91
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	1	0.91
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	1	0.91
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	1	0.91
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	8	0.91
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	8	0.91
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	8	0.91
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	15	0.91
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	15	0.91
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	15	0.91
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	15	0.91
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	15	0.91
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	15	0.91
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	15	0.91
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	15	0.91
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	15	0.91
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	4	0.91
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	4	0.91
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	4	0.91
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	9	0.91
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	9	0.91
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	9	0.91
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	9	0.91
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	9	0.91
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	9	0.91
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	9	0.91
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	9	0.91
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	9	0.91
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	5	0.91
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	5	0.91
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	5	0.91
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	5	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	5	0.91
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	5	0.91
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	5	0.91
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	5	0.91
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	5	0.91
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	20	0.91
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	20	0.91
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	20	0.91
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	20	0.91
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	20	0.91
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	20	0.91
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	20	0.91
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	20	0.91
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	20	0.91
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG11	14	0.91
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG12	14	0.91
(1,2163)	1:147:A:ALA:HA	1:181:A:VAL:HG13	14	0.91
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	19	0.91
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	19	0.91
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	19	0.91
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	18	0.91
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	18	0.91
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	18	0.91
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	20	0.91
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	20	0.91
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	20	0.91
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	4	0.91
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	4	0.91
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	4	0.91
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	3	0.91
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	3	0.91
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	3	0.91
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	1	0.91
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	1	0.91
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	1	0.91
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	15	0.91
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	15	0.91
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	15	0.91
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	17	0.91
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	17	0.91
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	17	0.91
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	2	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	2	0.91
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	2	0.91
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	3	0.91
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	3	0.91
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	3	0.91
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	13	0.91
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	13	0.91
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	13	0.91
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG21	14	0.91
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG22	14	0.91
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG23	14	0.91
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	5	0.91
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	5	0.91
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	5	0.91
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	8	0.91
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	8	0.91
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	8	0.91
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	7	0.91
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	7	0.91
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	7	0.91
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	11	0.91
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	11	0.91
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	11	0.91
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	12	0.91
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	12	0.91
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	12	0.91
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	12	0.91
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	12	0.91
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	12	0.91
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	12	0.91
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	12	0.91
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	12	0.91
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	1	0.91
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	1	0.91
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	1	0.91
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	1	0.91
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	1	0.91
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	1	0.91
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	1	0.91
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	1	0.91
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	1	0.91
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	2	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	2	0.91
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	2	0.91
(1,1100)	1:104:A:LEU:HD21	1:134:A:GLN:HE21	11	0.91
(1,1100)	1:104:A:LEU:HD22	1:134:A:GLN:HE21	11	0.91
(1,1100)	1:104:A:LEU:HD23	1:134:A:GLN:HE21	11	0.91
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	2	0.91
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	3	0.91
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	4	0.91
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	17	0.91
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	17	0.91
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	17	0.91
(1,676)	1:52:A:VAL:HG11	1:54:A:PHE:H	14	0.91
(1,676)	1:52:A:VAL:HG12	1:54:A:PHE:H	14	0.91
(1,676)	1:52:A:VAL:HG13	1:54:A:PHE:H	14	0.91
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	3	0.91
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	3	0.91
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	3	0.91
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG11	17	0.9
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG12	17	0.9
(1,3481)	1:155:A:LYS:HD2	1:156:A:VAL:HG13	17	0.9
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG11	17	0.9
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG12	17	0.9
(1,3481)	1:155:A:LYS:HD3	1:156:A:VAL:HG13	17	0.9
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	9	0.9
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	4	0.9
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	8	0.9
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	14	0.9
(1,2982)	1:16:A:VAL:HG21	1:18:A:ASN:HB2	4	0.9
(1,2982)	1:16:A:VAL:HG22	1:18:A:ASN:HB2	4	0.9
(1,2982)	1:16:A:VAL:HG23	1:18:A:ASN:HB2	4	0.9
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	13	0.9
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	17	0.9
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	8	0.9
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	12	0.9
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	17	0.9
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	5	0.9
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	5	0.9
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	5	0.9
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	19	0.9
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	19	0.9
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	19	0.9
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	2	0.9
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	2	0.9
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	2	0.9
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	2	0.9
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	2	0.9
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	2	0.9
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	2	0.9
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	2	0.9
(1,2165)	1:79:A:ASP:HB2	1:80:A:ALA:HA	10	0.9
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	13	0.9
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	4	0.9
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	4	0.9
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	4	0.9
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	4	0.9
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	4	0.9
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	4	0.9
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	4	0.9
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	4	0.9
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	4	0.9
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	13	0.9
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	13	0.9
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	13	0.9
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	13	0.9
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	13	0.9
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	13	0.9
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	13	0.9
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	13	0.9
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	13	0.9
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	8	0.9
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	8	0.9
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	8	0.9
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	17	0.9
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	17	0.9
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	17	0.9
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	15	0.9
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	18	0.9
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	18	0.9
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	18	0.9
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	7	0.9
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	7	0.9
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	7	0.9
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	7	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	7	0.9
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	7	0.9
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	9	0.9
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	9	0.9
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	9	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	1	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	1	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	1	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	2	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	2	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	2	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	8	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	8	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	8	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	12	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	12	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	12	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	17	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	17	0.9
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	17	0.9
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	12	0.9
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	12	0.9
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	12	0.9
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	12	0.9
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	12	0.9
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	12	0.9
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	12	0.9
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	12	0.9
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	12	0.9
(1,1585)	1:111:A:LEU:HD21	1:112:A:THR:H	10	0.9
(1,1585)	1:111:A:LEU:HD22	1:112:A:THR:H	10	0.9
(1,1585)	1:111:A:LEU:HD23	1:112:A:THR:H	10	0.9
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	12	0.9
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	12	0.9
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	12	0.9
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	12	0.9
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	12	0.9
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	12	0.9
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	12	0.9
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	12	0.9
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	12	0.9
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	10	0.9
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	10	0.9
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	1	0.9
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	1	0.9
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	1	0.9
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	12	0.9
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	12	0.9
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	12	0.9
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	10	0.9
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	10	0.9
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	10	0.9
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	10	0.9
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	10	0.9
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	10	0.9
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	10	0.9
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	10	0.9
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	10	0.9
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	18	0.9
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	18	0.9
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	18	0.9
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	18	0.9
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	18	0.9
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	18	0.9
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	18	0.9
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	18	0.9
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	18	0.9
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	13	0.9
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	13	0.9
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	13	0.9
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	13	0.9
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	13	0.9
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	13	0.9
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	4	0.9
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	4	0.9
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	4	0.9
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	9	0.9
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	9	0.9
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	9	0.9
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	18	0.9
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	18	0.9
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	18	0.9
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	11	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	11	0.9
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	11	0.9
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	11	0.9
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	11	0.9
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	11	0.9
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	5	0.9
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	14	0.9
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	14	0.9
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	14	0.9
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	2	0.9
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	2	0.9
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	2	0.9
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	20	0.9
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	20	0.9
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	20	0.9
(1,62)	1:24:A:ASP:H	1:27:A:SER:HB3	6	0.9
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	14	0.89
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	18	0.89
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	8	0.89
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	9	0.89
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	16	0.89
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	5	0.89
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG21	15	0.89
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG22	15	0.89
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG23	15	0.89
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG11	17	0.89
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG12	17	0.89
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG13	17	0.89
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG11	17	0.89
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG12	17	0.89
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG13	17	0.89
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	19	0.89
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG21	20	0.89
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG22	20	0.89
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG23	20	0.89
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	11	0.89
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	11	0.89
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	11	0.89
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	9	0.89
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	9	0.89
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	9	0.89
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	10	0.89
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	10	0.89
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	14	0.89
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	14	0.89
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	14	0.89
(1,1695)	1:71:A:VAL:HG11	1:72:A:ALA:H	19	0.89
(1,1695)	1:71:A:VAL:HG12	1:72:A:ALA:H	19	0.89
(1,1695)	1:71:A:VAL:HG13	1:72:A:ALA:H	19	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	4	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	4	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	4	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	6	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	6	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	6	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	7	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	7	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	7	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	13	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	13	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	13	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	18	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	18	0.89
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	18	0.89
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	8	0.89
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	8	0.89
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	8	0.89
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	8	0.89
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	8	0.89
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	8	0.89
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	8	0.89
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	8	0.89
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	8	0.89
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	15	0.89
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	15	0.89
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	15	0.89
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	17	0.89
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	17	0.89
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	17	0.89
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	12	0.89
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	12	0.89
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	12	0.89
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	15	0.89
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	15	0.89
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	18	0.89
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	18	0.89
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	18	0.89
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	2	0.89
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	2	0.89
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	2	0.89
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	2	0.89
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	2	0.89
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	2	0.89
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	2	0.89
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	2	0.89
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	2	0.89
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	12	0.89
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	12	0.89
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	12	0.89
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	20	0.89
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	20	0.89
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	20	0.89
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	2	0.89
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	2	0.89
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	2	0.89
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	2	0.89
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	2	0.89
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	2	0.89
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	2	0.89
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	2	0.89
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	2	0.89
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	3	0.89
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	20	0.89
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	9	0.89
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	17	0.89
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	5	0.89
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	5	0.89
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	5	0.89
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	11	0.89
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	11	0.89
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	11	0.89
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	10	0.89
(1,297)	1:16:A:VAL:HG21	1:18:A:ASN:H	13	0.89
(1,297)	1:16:A:VAL:HG22	1:18:A:ASN:H	13	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:16:A:VAL:HG23	1:18:A:ASN:H	13	0.89
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	13	0.89
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	13	0.89
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	13	0.89
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	8	0.89
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	5	0.88
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	16	0.88
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	1	0.88
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	7	0.88
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	5	0.88
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	17	0.88
(1,2851)	1:55:A:ASN:HB2	1:130:A:THR:HA	6	0.88
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	12	0.88
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	12	0.88
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	12	0.88
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	6	0.88
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	5	0.88
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	5	0.88
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	5	0.88
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG11	13	0.88
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG12	13	0.88
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG13	13	0.88
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG11	13	0.88
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG12	13	0.88
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG13	13	0.88
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG11	13	0.88
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG12	13	0.88
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG13	13	0.88
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG11	19	0.88
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG12	19	0.88
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG13	19	0.88
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG11	19	0.88
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG12	19	0.88
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG13	19	0.88
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG11	19	0.88
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG12	19	0.88
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG13	19	0.88
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	9	0.88
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	9	0.88
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	9	0.88
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG21	13	0.88
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG22	13	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG23	13	0.88
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG21	13	0.88
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG22	13	0.88
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG23	13	0.88
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG21	13	0.88
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG22	13	0.88
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG23	13	0.88
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	1	0.88
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	1	0.88
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	1	0.88
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	4	0.88
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	4	0.88
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	4	0.88
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	16	0.88
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	16	0.88
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	16	0.88
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	5	0.88
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	5	0.88
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	5	0.88
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	5	0.88
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	5	0.88
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	5	0.88
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	9	0.88
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	9	0.88
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	9	0.88
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	2	0.88
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	2	0.88
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	2	0.88
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	7	0.88
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	7	0.88
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	7	0.88
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	7	0.88
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	7	0.88
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	7	0.88
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	7	0.88
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	7	0.88
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	7	0.88
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	19	0.88
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	19	0.88
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	19	0.88
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	19	0.88
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	19	0.88
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	19	0.88
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	19	0.88
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	19	0.88
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	8	0.88
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	8	0.88
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	8	0.88
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG21	9	0.88
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG22	9	0.88
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG23	9	0.88
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG21	9	0.88
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG22	9	0.88
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG23	9	0.88
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG21	9	0.88
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG22	9	0.88
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG23	9	0.88
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	9	0.88
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	9	0.88
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	9	0.88
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	9	0.88
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	9	0.88
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	9	0.88
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	9	0.88
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	9	0.88
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	9	0.88
(1,1323)	1:111:A:LEU:HD21	1:118:A:PHE:HA	16	0.88
(1,1323)	1:111:A:LEU:HD22	1:118:A:PHE:HA	16	0.88
(1,1323)	1:111:A:LEU:HD23	1:118:A:PHE:HA	16	0.88
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	7	0.88
(1,297)	1:16:A:VAL:HG21	1:18:A:ASN:H	5	0.88
(1,297)	1:16:A:VAL:HG22	1:18:A:ASN:H	5	0.88
(1,297)	1:16:A:VAL:HG23	1:18:A:ASN:H	5	0.88
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	10	0.88
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	10	0.88
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	10	0.88
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	14	0.87
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	14	0.87
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	14	0.87
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	14	0.87
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	14	0.87
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	14	0.87
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	3	0.87
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	7	0.87
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	7	0.87
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	7	0.87
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	8	0.87
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	15	0.87
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	13	0.87
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	5	0.87
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	5	0.87
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	5	0.87
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	11	0.87
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	14	0.87
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	10	0.87
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	10	0.87
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	10	0.87
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	11	0.87
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	19	0.87
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	19	0.87
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	19	0.87
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	19	0.87
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	19	0.87
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	19	0.87
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	9	0.87
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	9	0.87
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	9	0.87
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	3	0.87
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	20	0.87
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	9	0.87
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	9	0.87
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	9	0.87
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	4	0.87
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	4	0.87
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	4	0.87
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	13	0.87
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	13	0.87
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	13	0.87
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	18	0.87
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	18	0.87
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	18	0.87
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	2	0.87
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	2	0.87
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	2	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	2	0.87
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	2	0.87
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	2	0.87
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	3	0.87
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	3	0.87
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	3	0.87
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	10	0.87
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	10	0.87
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	10	0.87
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	11	0.87
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	11	0.87
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	11	0.87
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	10	0.87
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	10	0.87
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	10	0.87
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG21	20	0.87
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG22	20	0.87
(1,1815)	1:38:A:ARG:HA	1:181:A:VAL:HG23	20	0.87
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	18	0.87
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	18	0.87
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	18	0.87
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	14	0.87
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	14	0.87
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	14	0.87
(1,1674)	1:42:A:LEU:HD11	1:44:A:GLN:H	10	0.87
(1,1674)	1:42:A:LEU:HD12	1:44:A:GLN:H	10	0.87
(1,1674)	1:42:A:LEU:HD13	1:44:A:GLN:H	10	0.87
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	16	0.87
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	16	0.87
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	16	0.87
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	20	0.87
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	20	0.87
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	20	0.87
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	10	0.87
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	10	0.87
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	10	0.87
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	2	0.87
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	2	0.87
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	2	0.87
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	7	0.87
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	7	0.87
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	7	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	19	0.87
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	19	0.87
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	19	0.87
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	17	0.87
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	17	0.87
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	17	0.87
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	17	0.87
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	17	0.87
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	17	0.87
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	17	0.87
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	17	0.87
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	17	0.87
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD11	9	0.87
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD12	9	0.87
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD13	9	0.87
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD11	9	0.87
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD12	9	0.87
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD13	9	0.87
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD11	9	0.87
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD12	9	0.87
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD13	9	0.87
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	8	0.87
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	8	0.87
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	8	0.87
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	8	0.87
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	8	0.87
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	8	0.87
(1,1100)	1:104:A:LEU:HD21	1:134:A:GLN:HE21	2	0.87
(1,1100)	1:104:A:LEU:HD22	1:134:A:GLN:HE21	2	0.87
(1,1100)	1:104:A:LEU:HD23	1:134:A:GLN:HE21	2	0.87
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	5	0.87
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	3	0.87
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	3	0.87
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	3	0.87
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	3	0.87
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	5	0.87
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	5	0.87
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	5	0.87
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	13	0.87
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	13	0.87
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	13	0.87
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	14	0.87
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	14	0.87
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	17	0.86
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	2	0.86
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	2	0.86
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	17	0.86
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	17	0.86
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	17	0.86
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	1	0.86
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	1	0.86
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	1	0.86
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	5	0.86
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	5	0.86
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	5	0.86
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	5	0.86
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	5	0.86
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	5	0.86
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	5	0.86
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	5	0.86
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	5	0.86
(1,3512)	1:111:A:LEU:HD21	1:120:A:SER:HB3	20	0.86
(1,3512)	1:111:A:LEU:HD22	1:120:A:SER:HB3	20	0.86
(1,3512)	1:111:A:LEU:HD23	1:120:A:SER:HB3	20	0.86
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	17	0.86
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	20	0.86
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	1	0.86
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	20	0.86
(1,2968)	1:17:A:VAL:HA	1:18:A:ASN:HB2	16	0.86
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	8	0.86
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	16	0.86
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	1	0.86
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG11	19	0.86
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG12	19	0.86
(1,2455)	1:148:A:ALA:HB1	1:181:A:VAL:HG13	19	0.86
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG11	19	0.86
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG12	19	0.86
(1,2455)	1:148:A:ALA:HB2	1:181:A:VAL:HG13	19	0.86
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG11	19	0.86
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG12	19	0.86
(1,2455)	1:148:A:ALA:HB3	1:181:A:VAL:HG13	19	0.86
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	7	0.86
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	16	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	16	0.86
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	16	0.86
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	16	0.86
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	16	0.86
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	16	0.86
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	16	0.86
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	16	0.86
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	16	0.86
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	12	0.86
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	12	0.86
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	12	0.86
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	1	0.86
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	1	0.86
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	1	0.86
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	6	0.86
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	6	0.86
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	6	0.86
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	13	0.86
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	13	0.86
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	13	0.86
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	11	0.86
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	11	0.86
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	11	0.86
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	5	0.86
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	5	0.86
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	5	0.86
(1,1660)	1:71:A:VAL:HG11	1:73:A:PHE:HZ	4	0.86
(1,1660)	1:71:A:VAL:HG12	1:73:A:PHE:HZ	4	0.86
(1,1660)	1:71:A:VAL:HG13	1:73:A:PHE:HZ	4	0.86
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	2	0.86
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	2	0.86
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	2	0.86
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	19	0.86
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	19	0.86
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	19	0.86
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	15	0.86
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	15	0.86
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	15	0.86
(1,1467)	1:12:A:PHE:HA	1:13:A:LYS:HG2	18	0.86
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	4	0.86
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	4	0.86
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	4	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	3	0.86
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	3	0.86
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	3	0.86
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	10	0.86
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	10	0.86
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	10	0.86
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	13	0.86
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	13	0.86
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	13	0.86
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	8	0.86
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	8	0.86
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	8	0.86
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	8	0.86
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	8	0.86
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	8	0.86
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	8	0.86
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	8	0.86
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	8	0.86
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD11	10	0.86
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD12	10	0.86
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD13	10	0.86
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	16	0.86
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	16	0.86
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	16	0.86
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	16	0.86
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	16	0.86
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	16	0.86
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	13	0.86
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	13	0.86
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	13	0.86
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	1	0.86
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	19	0.86
(1,239)	1:34:A:LEU:HD21	1:177:A:PHE:H	20	0.86
(1,239)	1:34:A:LEU:HD22	1:177:A:PHE:H	20	0.86
(1,239)	1:34:A:LEU:HD23	1:177:A:PHE:H	20	0.86
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	12	0.85
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	12	0.85
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	12	0.85
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	12	0.85
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	12	0.85
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	12	0.85
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	12	0.85
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	12	0.85
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	12	0.85
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	12	0.85
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	12	0.85
(1,3785)	1:74:A:LEU:HD11	1:75:A:GLY:HA3	10	0.85
(1,3785)	1:74:A:LEU:HD12	1:75:A:GLY:HA3	10	0.85
(1,3785)	1:74:A:LEU:HD13	1:75:A:GLY:HA3	10	0.85
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	7	0.85
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	7	0.85
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	7	0.85
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	9	0.85
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	9	0.85
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	9	0.85
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	2	0.85
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	4	0.85
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	19	0.85
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	17	0.85
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	4	0.85
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	1	0.85
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	1	0.85
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	1	0.85
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	8	0.85
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	8	0.85
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	8	0.85
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	18	0.85
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	18	0.85
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	18	0.85
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	18	0.85
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	18	0.85
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	18	0.85
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	7	0.85
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	7	0.85
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	7	0.85
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	1	0.85
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	1	0.85
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	1	0.85
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	1	0.85
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	1	0.85
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	1	0.85
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	3	0.85
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	3	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	3	0.85
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	3	0.85
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	3	0.85
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	3	0.85
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	9	0.85
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	9	0.85
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	9	0.85
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	11	0.85
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	11	0.85
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	11	0.85
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	6	0.85
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	6	0.85
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	6	0.85
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	20	0.85
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	20	0.85
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	20	0.85
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	20	0.85
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	20	0.85
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	20	0.85
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	20	0.85
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	20	0.85
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	20	0.85
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	4	0.85
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	4	0.85
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	4	0.85
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	15	0.85
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	15	0.85
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	15	0.85
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	7	0.85
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	7	0.85
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	7	0.85
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	16	0.85
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	16	0.85
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	16	0.85
(1,1467)	1:12:A:PHE:HA	1:13:A:LYS:HG2	6	0.85
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	4	0.85
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	4	0.85
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	4	0.85
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	15	0.85
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	15	0.85
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	15	0.85
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	4	0.85
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	4	0.85
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	16	0.84
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	16	0.84
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	16	0.84
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	3	0.84
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	5	0.84
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	20	0.84
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	11	0.84
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	2	0.84
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	5	0.84
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	5	0.84
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	20	0.84
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	13	0.84
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	13	0.84
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	13	0.84
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	11	0.84
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	17	0.84
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	17	0.84
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	17	0.84
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG11	4	0.84
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG12	4	0.84
(1,1923)	1:82:A:HIS:HB2	1:85:A:VAL:HG13	4	0.84
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	14	0.84
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	14	0.84
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	14	0.84
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	12	0.84
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	12	0.84
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	12	0.84
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG21	19	0.84
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG22	19	0.84
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG23	19	0.84
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	8	0.84
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	8	0.84
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	8	0.84
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	12	0.84
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	12	0.84
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	12	0.84
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	16	0.84
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	16	0.84
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	16	0.84
(1,1297)	1:120:A:SER:HA	1:121:A:GLU:HG3	17	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	1	0.84
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	1	0.84
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	1	0.84
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	1	0.84
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	1	0.84
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	1	0.84
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	1	0.84
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	1	0.84
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	1	0.84
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	6	0.84
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	4	0.84
(1,502)	1:16:A:VAL:HG11	1:170:A:VAL:H	6	0.84
(1,502)	1:16:A:VAL:HG12	1:170:A:VAL:H	6	0.84
(1,502)	1:16:A:VAL:HG13	1:170:A:VAL:H	6	0.84
(1,495)	1:13:A:LYS:HB2	1:15:A:GLU:H	18	0.84
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	13	0.84
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	13	0.84
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	13	0.84
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	8	0.83
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	8	0.83
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	8	0.83
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	8	0.83
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	8	0.83
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	8	0.83
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	14	0.83
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	14	0.83
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	14	0.83
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	10	0.83
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	12	0.83
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	10	0.83
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	12	0.83
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	12	0.83
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	12	0.83
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	17	0.83
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	19	0.83
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	9	0.83
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	6	0.83
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	3	0.83
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	10	0.83
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	4	0.83
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	4	0.83
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	4	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	11	0.83
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	11	0.83
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	11	0.83
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	11	0.83
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	11	0.83
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	11	0.83
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	11	0.83
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	11	0.83
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	11	0.83
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	1	0.83
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	1	0.83
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	1	0.83
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	6	0.83
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	6	0.83
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	6	0.83
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	13	0.83
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	13	0.83
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	13	0.83
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	4	0.83
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	4	0.83
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	4	0.83
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	11	0.83
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	11	0.83
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	11	0.83
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	15	0.83
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	15	0.83
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	15	0.83
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	15	0.83
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	15	0.83
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	15	0.83
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	19	0.83
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	19	0.83
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	19	0.83
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	19	0.83
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	19	0.83
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	19	0.83
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	12	0.83
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	12	0.83
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	12	0.83
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	11	0.83
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	11	0.83
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	11	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	3	0.83
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	3	0.83
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	3	0.83
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	3	0.83
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	3	0.83
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	3	0.83
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	3	0.83
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	3	0.83
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	3	0.83
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	20	0.83
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	20	0.83
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	20	0.83
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	20	0.83
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	20	0.83
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	20	0.83
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	20	0.83
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	20	0.83
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	20	0.83
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	3	0.83
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	3	0.83
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	3	0.83
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	14	0.83
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	14	0.83
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	14	0.83
(1,502)	1:16:A:VAL:HG11	1:170:A:VAL:H	7	0.83
(1,502)	1:16:A:VAL:HG12	1:170:A:VAL:H	7	0.83
(1,502)	1:16:A:VAL:HG13	1:170:A:VAL:H	7	0.83
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	2	0.82
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	8	0.82
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	9	0.82
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	3	0.82
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	5	0.82
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	5	0.82
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	20	0.82
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	20	0.82
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	20	0.82
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	20	0.82
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	20	0.82
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	20	0.82
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	2	0.82
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	2	0.82
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	2	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	2	0.82
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	2	0.82
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	2	0.82
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	15	0.82
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	15	0.82
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	16	0.82
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	16	0.82
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	16	0.82
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	15	0.82
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	15	0.82
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	15	0.82
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	1	0.82
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	3	0.82
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	3	0.82
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	3	0.82
(1,3072)	1:55:A:ASN:HB2	1:130:A:THR:HB	1	0.82
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	12	0.82
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	15	0.82
(1,2941)	1:12:A:PHE:HB2	1:13:A:LYS:HA	4	0.82
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	12	0.82
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	17	0.82
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	7	0.82
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	11	0.82
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	17	0.82
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	17	0.82
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	17	0.82
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	17	0.82
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	17	0.82
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	17	0.82
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	17	0.82
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	17	0.82
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	17	0.82
(1,2217)	1:101:A:VAL:HG21	1:136:A:ARG:H	19	0.82
(1,2217)	1:101:A:VAL:HG22	1:136:A:ARG:H	19	0.82
(1,2217)	1:101:A:VAL:HG23	1:136:A:ARG:H	19	0.82
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	13	0.82
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	13	0.82
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	13	0.82
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	13	0.82
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	13	0.82
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	13	0.82
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	13	0.82
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	13	0.82
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	2	0.82
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	2	0.82
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	2	0.82
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	8	0.82
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	8	0.82
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	8	0.82
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	19	0.82
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	19	0.82
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	19	0.82
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	3	0.82
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	3	0.82
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	3	0.82
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	18	0.82
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	18	0.82
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	18	0.82
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	4	0.82
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	4	0.82
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	4	0.82
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	7	0.82
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	7	0.82
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	7	0.82
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	3	0.82
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	3	0.82
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	3	0.82
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	19	0.82
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	19	0.82
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	19	0.82
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG11	4	0.82
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG12	4	0.82
(1,1644)	1:100:A:GLY:H	1:101:A:VAL:HG13	4	0.82
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	2	0.82
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	2	0.82
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	2	0.82
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	2	0.82
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	2	0.82
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	2	0.82
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	2	0.82
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	2	0.82
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	2	0.82
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG21	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG22	15	0.82
(1,1437)	1:39:A:THR:HG21	1:181:A:VAL:HG23	15	0.82
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG21	15	0.82
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG22	15	0.82
(1,1437)	1:39:A:THR:HG22	1:181:A:VAL:HG23	15	0.82
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG21	15	0.82
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG22	15	0.82
(1,1437)	1:39:A:THR:HG23	1:181:A:VAL:HG23	15	0.82
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	14	0.82
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	14	0.82
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	14	0.82
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	18	0.82
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	18	0.82
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	18	0.82
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	18	0.82
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	18	0.82
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	18	0.82
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	18	0.82
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	18	0.82
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	18	0.82
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	14	0.82
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	14	0.82
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	14	0.82
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	14	0.82
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	14	0.82
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	14	0.82
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	14	0.82
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	14	0.82
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	14	0.82
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	12	0.82
(1,495)	1:13:A:LYS:HB2	1:15:A:GLU:H	1	0.82
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	17	0.82
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	12	0.82
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	12	0.82
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	12	0.82
(1,158)	1:84:A:ASN:HB2	1:113:A:LEU:H	6	0.82
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	18	0.82
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	13	0.81
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	4	0.81
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	4	0.81
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	4	0.81
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	4	0.81
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	4	0.81
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	15	0.81
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	15	0.81
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	15	0.81
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	15	0.81
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	15	0.81
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	15	0.81
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	2	0.81
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	2	0.81
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	2	0.81
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	4	0.81
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	4	0.81
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	4	0.81
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	4	0.81
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	4	0.81
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	4	0.81
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	6	0.81
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	20	0.81
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	1	0.81
(1,2968)	1:17:A:VAL:HA	1:18:A:ASN:HB2	6	0.81
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	13	0.81
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	9	0.81
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	9	0.81
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	9	0.81
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	13	0.81
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	18	0.81
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	2	0.81
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	2	0.81
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	2	0.81
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	7	0.81
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	7	0.81
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	7	0.81
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	3	0.81
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	3	0.81
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	3	0.81
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	7	0.81
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	7	0.81
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	7	0.81
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	16	0.81
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	16	0.81
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	16	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1969)	1:16:A:VAL:HG21	1:18:A:ASN:HB3	7	0.81
(1,1969)	1:16:A:VAL:HG22	1:18:A:ASN:HB3	7	0.81
(1,1969)	1:16:A:VAL:HG23	1:18:A:ASN:HB3	7	0.81
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG21	4	0.81
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG22	4	0.81
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG23	4	0.81
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG21	4	0.81
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG22	4	0.81
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG23	4	0.81
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG21	4	0.81
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG22	4	0.81
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG23	4	0.81
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	11	0.81
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	11	0.81
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	11	0.81
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	11	0.81
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	11	0.81
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	11	0.81
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	7	0.81
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	7	0.81
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	7	0.81
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	15	0.81
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	15	0.81
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	15	0.81
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	15	0.81
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	15	0.81
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	15	0.81
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	15	0.81
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	15	0.81
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	15	0.81
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD1	15	0.81
(1,1260)	1:58:A:LEU:HD11	1:158:A:TYR:HD2	15	0.81
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD1	15	0.81
(1,1260)	1:58:A:LEU:HD12	1:158:A:TYR:HD2	15	0.81
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD1	15	0.81
(1,1260)	1:58:A:LEU:HD13	1:158:A:TYR:HD2	15	0.81
(1,1094)	1:157:A:GLN:HB2	1:159:A:GLN:HE21	19	0.81
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG11	7	0.81
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG12	7	0.81
(1,969)	1:18:A:ASN:HD22	1:65:A:VAL:HG13	7	0.81
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	8	0.81
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	8	0.81
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD11	16	0.81
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD12	16	0.81
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD13	16	0.81
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	14	0.81
(1,297)	1:16:A:VAL:HG21	1:18:A:ASN:H	6	0.81
(1,297)	1:16:A:VAL:HG22	1:18:A:ASN:H	6	0.81
(1,297)	1:16:A:VAL:HG23	1:18:A:ASN:H	6	0.81
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	1	0.81
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	1	0.81
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	1	0.81
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	11	0.8
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	11	0.8
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	11	0.8
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	11	0.8
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	11	0.8
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	11	0.8
(1,3969)	1:11:A:HIS:HB2	1:11:A:HIS:HD2	13	0.8
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	1	0.8
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	3	0.8
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	6	0.8
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	15	0.8
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	18	0.8
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	19	0.8
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	18	0.8
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	18	0.8
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	6	0.8
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	6	0.8
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	6	0.8
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	19	0.8
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	19	0.8
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	19	0.8
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	10	0.8
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	10	0.8
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	10	0.8
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	10	0.8
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	10	0.8
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	10	0.8
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	7	0.8
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	7	0.8
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	7	0.8
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	16	0.8
(1,3342)	1:23:A:VAL:HG21	1:27:A:SER:HB2	18	0.8
(1,3342)	1:23:A:VAL:HG22	1:27:A:SER:HB2	18	0.8
(1,3342)	1:23:A:VAL:HG23	1:27:A:SER:HB2	18	0.8
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	17	0.8
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	9	0.8
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	3	0.8
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	9	0.8
(1,2899)	1:68:A:LYS:HE2	1:121:A:GLU:HG2	18	0.8
(1,2899)	1:68:A:LYS:HE3	1:121:A:GLU:HG2	18	0.8
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG11	15	0.8
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG12	15	0.8
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG13	15	0.8
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG21	6	0.8
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG22	6	0.8
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG23	6	0.8
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	16	0.8
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	16	0.8
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	16	0.8
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	14	0.8
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	14	0.8
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	14	0.8
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	17	0.8
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	17	0.8
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	17	0.8
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	6	0.8
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	6	0.8
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	6	0.8
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	6	0.8
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	6	0.8
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	6	0.8
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	19	0.8
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	19	0.8
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	19	0.8
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	7	0.8
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	7	0.8
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	7	0.8
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	5	0.8
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	5	0.8
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	5	0.8
(1,1660)	1:71:A:VAL:HG11	1:73:A:PHE:HZ	9	0.8
(1,1660)	1:71:A:VAL:HG12	1:73:A:PHE:HZ	9	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1660)	1:71:A:VAL:HG13	1:73:A:PHE:HZ	9	0.8
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	15	0.8
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	15	0.8
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	15	0.8
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	12	0.8
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	12	0.8
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	12	0.8
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	14	0.8
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	14	0.8
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	14	0.8
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD21	19	0.8
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD22	19	0.8
(1,1522)	1:23:A:VAL:HA	1:58:A:LEU:HD23	19	0.8
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	17	0.8
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	17	0.8
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	17	0.8
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	7	0.8
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	7	0.8
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	7	0.8
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	11	0.8
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	11	0.8
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	11	0.8
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD11	13	0.8
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD12	13	0.8
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD13	13	0.8
(1,1094)	1:157:A:GLN:HB2	1:159:A:GLN:HE21	8	0.8
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	8	0.8
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	13	0.8
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	13	0.8
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	13	0.8
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	2	0.8
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	12	0.8
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	12	0.8
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	12	0.8
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	19	0.79
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	19	0.79
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	19	0.79
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	19	0.79
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	19	0.79
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	19	0.79
(1,3969)	1:11:A:HIS:HB2	1:11:A:HIS:HD2	16	0.79
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	3	0.79
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	20	0.79
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	20	0.79
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	12	0.79
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	12	0.79
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	4	0.79
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	4	0.79
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	4	0.79
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	16	0.79
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	16	0.79
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	16	0.79
(1,3512)	1:111:A:LEU:HD21	1:120:A:SER:HB3	10	0.79
(1,3512)	1:111:A:LEU:HD22	1:120:A:SER:HB3	10	0.79
(1,3512)	1:111:A:LEU:HD23	1:120:A:SER:HB3	10	0.79
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG21	11	0.79
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG22	11	0.79
(1,3502)	1:50:A:SER:HB2	1:52:A:VAL:HG23	11	0.79
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	13	0.79
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	11	0.79
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	19	0.79
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	2	0.79
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	10	0.79
(1,3056)	1:69:A:ALA:H	1:121:A:GLU:HG2	9	0.79
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	16	0.79
(1,3042)	1:155:A:LYS:HB2	1:172:A:GLY:H	5	0.79
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	2	0.79
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	3	0.79
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	1	0.79
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	19	0.79
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	19	0.79
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	19	0.79
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD21	13	0.79
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD22	13	0.79
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD23	13	0.79
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	5	0.79
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	14	0.79
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	12	0.79
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD21	10	0.79
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD22	10	0.79
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD23	10	0.79
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD21	10	0.79
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD22	10	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD23	10	0.79
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD21	10	0.79
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD22	10	0.79
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD23	10	0.79
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	10	0.79
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	10	0.79
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	10	0.79
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	16	0.79
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	16	0.79
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	16	0.79
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	18	0.79
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	18	0.79
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	18	0.79
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	18	0.79
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	18	0.79
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	18	0.79
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	18	0.79
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	18	0.79
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	18	0.79
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	11	0.79
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	11	0.79
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	11	0.79
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	12	0.79
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	12	0.79
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	12	0.79
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	16	0.79
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	16	0.79
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	16	0.79
(1,1820)	1:10:A:VAL:HG11	1:11:A:HIS:HA	2	0.79
(1,1820)	1:10:A:VAL:HG12	1:11:A:HIS:HA	2	0.79
(1,1820)	1:10:A:VAL:HG13	1:11:A:HIS:HA	2	0.79
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	14	0.79
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	14	0.79
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	14	0.79
(1,1745)	1:23:A:VAL:HG11	1:172:A:GLY:HA2	6	0.79
(1,1745)	1:23:A:VAL:HG12	1:172:A:GLY:HA2	6	0.79
(1,1745)	1:23:A:VAL:HG13	1:172:A:GLY:HA2	6	0.79
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	17	0.79
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	17	0.79
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	17	0.79
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD11	19	0.79
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD12	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:34:A:LEU:HA	1:34:A:LEU:HD13	19	0.79
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	2	0.79
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	2	0.79
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	2	0.79
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	8	0.79
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	8	0.79
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	8	0.79
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	15	0.79
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD11	20	0.79
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD12	20	0.79
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD13	20	0.79
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG21	5	0.79
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG22	5	0.79
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG23	5	0.79
(1,135)	1:124:A:LEU:HD21	1:129:A:ASN:H	15	0.79
(1,135)	1:124:A:LEU:HD22	1:129:A:ASN:H	15	0.79
(1,135)	1:124:A:LEU:HD23	1:129:A:ASN:H	15	0.79
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG11	9	0.78
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG12	9	0.78
(1,3895)	1:137:A:TYR:HD1	1:181:A:VAL:HG13	9	0.78
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG11	9	0.78
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG12	9	0.78
(1,3895)	1:137:A:TYR:HD2	1:181:A:VAL:HG13	9	0.78
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	13	0.78
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	13	0.78
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	13	0.78
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	13	0.78
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	13	0.78
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	13	0.78
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	3	0.78
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	3	0.78
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	3	0.78
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	3	0.78
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	3	0.78
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	3	0.78
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	14	0.78
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	14	0.78
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	14	0.78
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	9	0.78
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	4	0.78
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	4	0.78
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	4	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	18	0.78
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	18	0.78
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	18	0.78
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	14	0.78
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	15	0.78
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	3	0.78
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	4	0.78
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	16	0.78
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	14	0.78
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	14	0.78
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	14	0.78
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	11	0.78
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	11	0.78
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	11	0.78
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	4	0.78
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	4	0.78
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	4	0.78
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	4	0.78
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	4	0.78
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	4	0.78
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	4	0.78
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	4	0.78
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	4	0.78
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	19	0.78
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	17	0.78
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG21	20	0.78
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG22	20	0.78
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG23	20	0.78
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG21	20	0.78
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG22	20	0.78
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG23	20	0.78
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG21	20	0.78
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG22	20	0.78
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG23	20	0.78
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	9	0.78
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	9	0.78
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	9	0.78
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	14	0.78
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	14	0.78
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	14	0.78
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	16	0.78
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	16	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	16	0.78
(1,1660)	1:71:A:VAL:HG11	1:73:A:PHE:HZ	19	0.78
(1,1660)	1:71:A:VAL:HG12	1:73:A:PHE:HZ	19	0.78
(1,1660)	1:71:A:VAL:HG13	1:73:A:PHE:HZ	19	0.78
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	20	0.78
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	20	0.78
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	20	0.78
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	7	0.78
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	7	0.78
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	7	0.78
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	4	0.78
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	4	0.78
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	4	0.78
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	4	0.78
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	4	0.78
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	4	0.78
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	4	0.78
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	4	0.78
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	4	0.78
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG11	18	0.78
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG12	18	0.78
(1,1213)	1:21:A:CYS:H	1:170:A:VAL:HG13	18	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	3	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	3	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	3	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	7	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	7	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	7	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	10	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	10	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	10	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	12	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	12	0.78
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	12	0.78
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	6	0.78
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	15	0.78
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	15	0.78
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	15	0.78
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG21	11	0.78
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG22	11	0.78
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG23	11	0.78
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	6	0.78
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	6	0.78
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	16	0.78
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	12	0.78
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	4	0.78
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	4	0.78
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	4	0.78
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	12	0.78
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	10	0.77
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	10	0.77
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	10	0.77
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	10	0.77
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	10	0.77
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	10	0.77
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	4	0.77
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	10	0.77
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	16	0.77
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	5	0.77
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	2	0.77
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	2	0.77
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	11	0.77
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	11	0.77
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	11	0.77
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	11	0.77
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	11	0.77
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	11	0.77
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	19	0.77
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	19	0.77
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	15	0.77
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	15	0.77
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	15	0.77
(1,3490)	1:106:A:ARG:HB3	1:107:A:THR:HA	17	0.77
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	16	0.77
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	16	0.77
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	12	0.77
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	12	0.77
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	12	0.77
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	10	0.77
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	10	0.77
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	10	0.77
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	14	0.77
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	14	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	14	0.77
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	11	0.77
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	11	0.77
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	11	0.77
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	6	0.77
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	6	0.77
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	6	0.77
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	6	0.77
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	6	0.77
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	6	0.77
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	6	0.77
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	6	0.77
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	6	0.77
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	12	0.77
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	12	0.77
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	12	0.77
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	12	0.77
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	12	0.77
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	12	0.77
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	12	0.77
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	12	0.77
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	12	0.77
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	1	0.77
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	1	0.77
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	1	0.77
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	1	0.77
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	1	0.77
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	1	0.77
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	1	0.77
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	1	0.77
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	1	0.77
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	1	0.77
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	15	0.77
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	15	0.77
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	15	0.77
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	2	0.77
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	8	0.77
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	8	0.77
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	8	0.77
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	9	0.77
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	9	0.77
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	9	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:71:A:VAL:HG11	1:72:A:ALA:H	9	0.77
(1,1695)	1:71:A:VAL:HG12	1:72:A:ALA:H	9	0.77
(1,1695)	1:71:A:VAL:HG13	1:72:A:ALA:H	9	0.77
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	10	0.77
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	10	0.77
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	10	0.77
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	18	0.77
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	18	0.77
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	18	0.77
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	1	0.77
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	1	0.77
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	1	0.77
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	12	0.77
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	12	0.77
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	12	0.77
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	13	0.77
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	13	0.77
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	13	0.77
(1,1100)	1:104:A:LEU:HD21	1:134:A:GLN:HE21	8	0.77
(1,1100)	1:104:A:LEU:HD22	1:134:A:GLN:HE21	8	0.77
(1,1100)	1:104:A:LEU:HD23	1:134:A:GLN:HE21	8	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	8	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	8	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	8	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	9	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	9	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	9	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	14	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	14	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	14	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	15	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	15	0.77
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	15	0.77
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	5	0.77
(1,495)	1:13:A:LYS:HB2	1:15:A:GLU:H	3	0.77
(1,297)	1:16:A:VAL:HG21	1:18:A:ASN:H	18	0.77
(1,297)	1:16:A:VAL:HG22	1:18:A:ASN:H	18	0.77
(1,297)	1:16:A:VAL:HG23	1:18:A:ASN:H	18	0.77
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	19	0.77
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	19	0.77
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	19	0.77
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	6	0.77
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	6	0.77
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	6	0.77
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	15	0.76
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	16	0.76
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	19	0.76
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	12	0.76
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	17	0.76
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	3	0.76
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	3	0.76
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	3	0.76
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	3	0.76
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	3	0.76
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	3	0.76
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	15	0.76
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	15	0.76
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	15	0.76
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	15	0.76
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	15	0.76
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	15	0.76
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	15	0.76
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	15	0.76
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	15	0.76
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	3	0.76
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	3	0.76
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	3	0.76
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	15	0.76
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	17	0.76
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	17	0.76
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	17	0.76
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	14	0.76
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	6	0.76
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	15	0.76
(1,2851)	1:55:A:ASN:HB2	1:130:A:THR:HA	7	0.76
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	11	0.76
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	11	0.76
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	11	0.76
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	14	0.76
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	14	0.76
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	14	0.76
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	14	0.76
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	14	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	14	0.76
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	14	0.76
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	14	0.76
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	14	0.76
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	12	0.76
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	12	0.76
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	12	0.76
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	14	0.76
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	16	0.76
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	16	0.76
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	16	0.76
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	2	0.76
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	2	0.76
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	2	0.76
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG21	14	0.76
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG22	14	0.76
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG23	14	0.76
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	9	0.76
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	9	0.76
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	9	0.76
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	9	0.76
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	9	0.76
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	9	0.76
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	15	0.76
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	15	0.76
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	15	0.76
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	14	0.76
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	14	0.76
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	14	0.76
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	14	0.76
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	14	0.76
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	14	0.76
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	14	0.76
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	14	0.76
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	14	0.76
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	9	0.76
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	9	0.76
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	9	0.76
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	20	0.76
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	20	0.76
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	20	0.76
(1,1297)	1:120:A:SER:HA	1:121:A:GLU:HG3	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	1	0.76
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	1	0.76
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	1	0.76
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	3	0.76
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	3	0.76
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	3	0.76
(1,1100)	1:104:A:LEU:HD21	1:134:A:GLN:HE21	20	0.76
(1,1100)	1:104:A:LEU:HD22	1:134:A:GLN:HE21	20	0.76
(1,1100)	1:104:A:LEU:HD23	1:134:A:GLN:HE21	20	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	1	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	1	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	1	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	4	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	4	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	4	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	11	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	11	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	11	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	13	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	13	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	13	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	17	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	17	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	17	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	18	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	18	0.76
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	18	0.76
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	10	0.76
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	10	0.76
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	10	0.76
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	12	0.76
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	12	0.76
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	12	0.76
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	12	0.76
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	12	0.76
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	12	0.76
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	8	0.76
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	8	0.76
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	8	0.76
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	5	0.76
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	5	0.76
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	17	0.76
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	17	0.76
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	17	0.76
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	13	0.75
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	13	0.75
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	13	0.75
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	13	0.75
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	13	0.75
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	13	0.75
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	1	0.75
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	2	0.75
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	5	0.75
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	6	0.75
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	9	0.75
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	13	0.75
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	18	0.75
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	7	0.75
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	2	0.75
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	2	0.75
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	2	0.75
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	2	0.75
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	2	0.75
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	2	0.75
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	3	0.75
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	3	0.75
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	12	0.75
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	12	0.75
(1,3568)	1:81:A:GLY:HA3	1:82:A:HIS:HB3	3	0.75
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	11	0.75
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	1	0.75
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	4	0.75
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	15	0.75
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG21	20	0.75
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG22	20	0.75
(1,2986)	1:64:A:ASN:HB3	1:65:A:VAL:HG23	20	0.75
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG11	15	0.75
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG12	15	0.75
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG13	15	0.75
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG11	15	0.75
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG12	15	0.75
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG13	15	0.75
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	6	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	11	0.75
(1,2729)	1:14:A:GLY:HA2	1:15:A:GLU:HB3	19	0.75
(1,2514)	1:18:A:ASN:HB3	1:19:A:ALA:HA	6	0.75
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	12	0.75
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	12	0.75
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	12	0.75
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	8	0.75
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	6	0.75
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	6	0.75
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	6	0.75
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	2	0.75
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	2	0.75
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	2	0.75
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	2	0.75
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	2	0.75
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	2	0.75
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	2	0.75
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	2	0.75
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	2	0.75
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	14	0.75
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	14	0.75
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	14	0.75
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	19	0.75
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	19	0.75
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	19	0.75
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	13	0.75
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	5	0.75
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	5	0.75
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	5	0.75
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	20	0.75
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	20	0.75
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	20	0.75
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	17	0.75
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	17	0.75
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	17	0.75
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	3	0.75
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	3	0.75
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	3	0.75
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	5	0.75
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	5	0.75
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	5	0.75
(1,1975)	1:124:A:LEU:HD21	1:129:A:ASN:HB2	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:124:A:LEU:HD22	1:129:A:ASN:HB2	13	0.75
(1,1975)	1:124:A:LEU:HD23	1:129:A:ASN:HB2	13	0.75
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	18	0.75
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	18	0.75
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	18	0.75
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	17	0.75
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	17	0.75
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	17	0.75
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	18	0.75
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	18	0.75
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	18	0.75
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	18	0.75
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	18	0.75
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	18	0.75
(1,1695)	1:71:A:VAL:HG11	1:72:A:ALA:H	15	0.75
(1,1695)	1:71:A:VAL:HG12	1:72:A:ALA:H	15	0.75
(1,1695)	1:71:A:VAL:HG13	1:72:A:ALA:H	15	0.75
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	18	0.75
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	18	0.75
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	18	0.75
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	5	0.75
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	5	0.75
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	5	0.75
(1,1375)	1:104:A:LEU:HD21	1:134:A:GLN:H	18	0.75
(1,1375)	1:104:A:LEU:HD22	1:134:A:GLN:H	18	0.75
(1,1375)	1:104:A:LEU:HD23	1:134:A:GLN:H	18	0.75
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	10	0.75
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	10	0.75
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	10	0.75
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	10	0.75
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	10	0.75
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	10	0.75
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	10	0.75
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	10	0.75
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	10	0.75
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	3	0.75
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	3	0.75
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	3	0.75
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	7	0.75
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	12	0.75
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	12	0.75
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:124:A:LEU:HD21	1:130:A:THR:H	9	0.75
(1,732)	1:124:A:LEU:HD22	1:130:A:THR:H	9	0.75
(1,732)	1:124:A:LEU:HD23	1:130:A:THR:H	9	0.75
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	10	0.75
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	15	0.75
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	15	0.75
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	15	0.75
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	20	0.75
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	20	0.75
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	20	0.75
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	3	0.75
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	10	0.75
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	19	0.75
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	4	0.75
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	4	0.75
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	4	0.75
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	6	0.75
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	11	0.74
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	12	0.74
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	14	0.74
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	17	0.74
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	20	0.74
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	11	0.74
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	11	0.74
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	19	0.74
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	19	0.74
(1,3800)	1:74:A:LEU:HD11	1:114:A:ASP:HB3	18	0.74
(1,3800)	1:74:A:LEU:HD12	1:114:A:ASP:HB3	18	0.74
(1,3800)	1:74:A:LEU:HD13	1:114:A:ASP:HB3	18	0.74
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	8	0.74
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	8	0.74
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	8	0.74
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	16	0.74
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	16	0.74
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	16	0.74
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	8	0.74
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	8	0.74
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	8	0.74
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD2	5	0.74
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD3	5	0.74
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD2	12	0.74
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD3	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	13	0.74
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	11	0.74
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	11	0.74
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	11	0.74
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	19	0.74
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	19	0.74
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	19	0.74
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	2	0.74
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	20	0.74
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	20	0.74
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	20	0.74
(1,2718)	1:52:A:VAL:HG11	1:53:A:GLY:HA3	19	0.74
(1,2718)	1:52:A:VAL:HG12	1:53:A:GLY:HA3	19	0.74
(1,2718)	1:52:A:VAL:HG13	1:53:A:GLY:HA3	19	0.74
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	8	0.74
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	15	0.74
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	14	0.74
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	14	0.74
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	14	0.74
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	10	0.74
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	4	0.74
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	4	0.74
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	4	0.74
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	8	0.74
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	8	0.74
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	8	0.74
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	20	0.74
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	20	0.74
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	20	0.74
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	19	0.74
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	2	0.74
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	2	0.74
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	2	0.74
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG11	7	0.74
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG12	7	0.74
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG13	7	0.74
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD21	18	0.74
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD22	18	0.74
(1,2052)	1:122:A:THR:HG21	1:124:A:LEU:HD23	18	0.74
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD21	18	0.74
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD22	18	0.74
(1,2052)	1:122:A:THR:HG22	1:124:A:LEU:HD23	18	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD21	18	0.74
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD22	18	0.74
(1,2052)	1:122:A:THR:HG23	1:124:A:LEU:HD23	18	0.74
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG21	5	0.74
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG22	5	0.74
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG23	5	0.74
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG21	13	0.74
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG22	13	0.74
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG23	13	0.74
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	19	0.74
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	19	0.74
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	19	0.74
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	11	0.74
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	11	0.74
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	11	0.74
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	10	0.74
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	10	0.74
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	10	0.74
(1,1695)	1:71:A:VAL:HG11	1:72:A:ALA:H	11	0.74
(1,1695)	1:71:A:VAL:HG12	1:72:A:ALA:H	11	0.74
(1,1695)	1:71:A:VAL:HG13	1:72:A:ALA:H	11	0.74
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD21	20	0.74
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD22	20	0.74
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD23	20	0.74
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	19	0.74
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	19	0.74
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	19	0.74
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	4	0.74
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	4	0.74
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	4	0.74
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	4	0.74
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	4	0.74
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	4	0.74
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	4	0.74
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	4	0.74
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	4	0.74
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	5	0.74
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	5	0.74
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	5	0.74
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	5	0.74
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	5	0.74
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	5	0.74
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	5	0.74
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	5	0.74
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	5	0.74
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	5	0.74
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	5	0.74
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	5	0.74
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	5	0.74
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	5	0.74
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	5	0.74
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	5	0.74
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	5	0.74
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	7	0.74
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	7	0.74
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	7	0.74
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	19	0.74
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	19	0.74
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	19	0.74
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	7	0.74
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	3	0.73
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	3	0.73
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	3	0.73
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	3	0.73
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	3	0.73
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	3	0.73
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	8	0.73
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	6	0.73
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	6	0.73
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	6	0.73
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	6	0.73
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	6	0.73
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	6	0.73
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	1	0.73
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	1	0.73
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	1	0.73
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	18	0.73
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	15	0.73
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	13	0.73
(1,2860)	1:105:A:ASP:HB3	1:119:A:SER:HB3	2	0.73
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	16	0.73
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	16	0.73
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	16	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	5	0.73
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	5	0.73
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	5	0.73
(1,2718)	1:52:A:VAL:HG11	1:53:A:GLY:HA3	9	0.73
(1,2718)	1:52:A:VAL:HG12	1:53:A:GLY:HA3	9	0.73
(1,2718)	1:52:A:VAL:HG13	1:53:A:GLY:HA3	9	0.73
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	12	0.73
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB1	6	0.73
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB2	6	0.73
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB3	6	0.73
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	7	0.73
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	7	0.73
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	7	0.73
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	11	0.73
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG11	13	0.73
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG12	13	0.73
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG13	13	0.73
(1,1951)	1:85:A:VAL:HG11	1:102:A:GLN:HG2	20	0.73
(1,1951)	1:85:A:VAL:HG12	1:102:A:GLN:HG2	20	0.73
(1,1951)	1:85:A:VAL:HG13	1:102:A:GLN:HG2	20	0.73
(1,1833)	1:22:A:ALA:HB1	1:59:A:ASN:HD22	1	0.73
(1,1833)	1:22:A:ALA:HB2	1:59:A:ASN:HD22	1	0.73
(1,1833)	1:22:A:ALA:HB3	1:59:A:ASN:HD22	1	0.73
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	5	0.73
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	5	0.73
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	5	0.73
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	8	0.73
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	8	0.73
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	8	0.73
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	10	0.73
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	10	0.73
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	10	0.73
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	9	0.73
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	9	0.73
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	9	0.73
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	8	0.73
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	8	0.73
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	8	0.73
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	1	0.73
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	1	0.73
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	1	0.73
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	2	0.73
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	2	0.73
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	4	0.73
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	4	0.73
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	4	0.73
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	16	0.73
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	16	0.73
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	16	0.73
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	9	0.73
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	9	0.73
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	9	0.73
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	3	0.73
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	3	0.73
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	3	0.73
(1,1467)	1:12:A:PHE:HA	1:13:A:LYS:HG2	14	0.73
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	1	0.73
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	1	0.73
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	1	0.73
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	16	0.73
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	16	0.73
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	16	0.73
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	3	0.73
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	3	0.73
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	3	0.73
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	3	0.73
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	3	0.73
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	3	0.73
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	3	0.73
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	3	0.73
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	3	0.73
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	7	0.73
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	7	0.73
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	7	0.73
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	7	0.73
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	7	0.73
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	7	0.73
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	7	0.73
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	7	0.73
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	7	0.73
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	14	0.73
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	14	0.73
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	14	0.73
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	14	0.73
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	14	0.73
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	14	0.73
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	14	0.73
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	14	0.73
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	18	0.73
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	10	0.73
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	10	0.73
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	10	0.73
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	19	0.73
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	19	0.73
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	19	0.73
(1,495)	1:13:A:LYS:HB2	1:15:A:GLU:H	9	0.73
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	2	0.73
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	2	0.73
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	2	0.73
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	8	0.73
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	8	0.73
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	8	0.73
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	17	0.73
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	17	0.73
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	17	0.73
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	8	0.73
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	13	0.73
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	15	0.73
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	15	0.73
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	15	0.73
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	10	0.73
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	10	0.73
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	10	0.73
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	17	0.72
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	17	0.72
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	17	0.72
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	17	0.72
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	17	0.72
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	17	0.72
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	4	0.72
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	7	0.72
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	10	0.72
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	20	0.72
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	11	0.72
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	11	0.72
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	19	0.72
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	19	0.72
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	1	0.72
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	1	0.72
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	1	0.72
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	1	0.72
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	1	0.72
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	1	0.72
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	10	0.72
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	10	0.72
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	10	0.72
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	13	0.72
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	13	0.72
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	13	0.72
(1,3483)	1:68:A:LYS:HD3	1:121:A:GLU:HG2	9	0.72
(1,3407)	1:37:A:VAL:HA	1:38:A:ARG:HB3	19	0.72
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	5	0.72
(1,3056)	1:69:A:ALA:H	1:121:A:GLU:HG2	10	0.72
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	16	0.72
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	14	0.72
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	14	0.72
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	14	0.72
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	16	0.72
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	16	0.72
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	16	0.72
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	15	0.72
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	15	0.72
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	15	0.72
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB1	2	0.72
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB2	2	0.72
(1,2430)	1:79:A:ASP:HB2	1:80:A:ALA:HB3	2	0.72
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	10	0.72
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	10	0.72
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	10	0.72
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	10	0.72
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	10	0.72
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	10	0.72
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	10	0.72
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	10	0.72
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	10	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	15	0.72
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	15	0.72
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	15	0.72
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	15	0.72
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	15	0.72
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	15	0.72
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	15	0.72
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	15	0.72
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	15	0.72
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	10	0.72
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	10	0.72
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	10	0.72
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	18	0.72
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	18	0.72
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	18	0.72
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG11	20	0.72
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG12	20	0.72
(1,2082)	1:82:A:HIS:HA	1:85:A:VAL:HG13	20	0.72
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	9	0.72
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	9	0.72
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	9	0.72
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	14	0.72
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	14	0.72
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	14	0.72
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	16	0.72
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	16	0.72
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	16	0.72
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	17	0.72
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	17	0.72
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	17	0.72
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	19	0.72
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	19	0.72
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	19	0.72
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG21	20	0.72
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG22	20	0.72
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG23	20	0.72
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	9	0.72
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	9	0.72
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	9	0.72
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	9	0.72
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	9	0.72
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	9	0.72
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	9	0.72
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	9	0.72
(1,1744)	1:23:A:VAL:HG11	1:59:A:ASN:H	11	0.72
(1,1744)	1:23:A:VAL:HG12	1:59:A:ASN:H	11	0.72
(1,1744)	1:23:A:VAL:HG13	1:59:A:ASN:H	11	0.72
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	9	0.72
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	9	0.72
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	9	0.72
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	9	0.72
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	9	0.72
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	9	0.72
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	9	0.72
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	9	0.72
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	9	0.72
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD11	3	0.72
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD12	3	0.72
(1,1678)	1:42:A:LEU:HA	1:42:A:LEU:HD13	3	0.72
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	11	0.72
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	11	0.72
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	11	0.72
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	13	0.72
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	13	0.72
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	13	0.72
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	15	0.72
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	15	0.72
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	15	0.72
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	15	0.72
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	15	0.72
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	15	0.72
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	15	0.72
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	15	0.72
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	15	0.72
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	15	0.72
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	15	0.72
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	15	0.72
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	11	0.72
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	11	0.72
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	11	0.72
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	11	0.72
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	11	0.72
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	11	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	11	0.72
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	11	0.72
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	11	0.72
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD11	13	0.72
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD12	13	0.72
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD13	13	0.72
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD11	13	0.72
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD12	13	0.72
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD13	13	0.72
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD11	13	0.72
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD12	13	0.72
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD13	13	0.72
(1,1266)	1:58:A:LEU:HD11	1:129:A:ASN:HB2	1	0.72
(1,1266)	1:58:A:LEU:HD12	1:129:A:ASN:HB2	1	0.72
(1,1266)	1:58:A:LEU:HD13	1:129:A:ASN:HB2	1	0.72
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	10	0.72
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	10	0.72
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	10	0.72
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	1	0.72
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	1	0.72
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	1	0.72
(1,49)	1:23:A:VAL:HG21	1:57:A:GLN:H	11	0.72
(1,49)	1:23:A:VAL:HG22	1:57:A:GLN:H	11	0.72
(1,49)	1:23:A:VAL:HG23	1:57:A:GLN:H	11	0.72
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	16	0.71
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	16	0.71
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	16	0.71
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	16	0.71
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	16	0.71
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	16	0.71
(1,3969)	1:11:A:HIS:HB2	1:11:A:HIS:HD2	9	0.71
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	18	0.71
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	18	0.71
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	18	0.71
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	18	0.71
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	18	0.71
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	18	0.71
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	19	0.71
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	19	0.71
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	19	0.71
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	19	0.71
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	19	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	19	0.71
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	17	0.71
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	17	0.71
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	9	0.71
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	9	0.71
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	9	0.71
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	17	0.71
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	17	0.71
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	17	0.71
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	17	0.71
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	17	0.71
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	17	0.71
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	17	0.71
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	17	0.71
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	17	0.71
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	20	0.71
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	13	0.71
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	13	0.71
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	13	0.71
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	19	0.71
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	4	0.71
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	3	0.71
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	14	0.71
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	12	0.71
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	18	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	4	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	4	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	4	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	5	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	5	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	5	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	6	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	6	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	6	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	8	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	8	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	8	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	10	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	10	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	10	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	15	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	15	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	20	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	20	0.71
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	20	0.71
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	16	0.71
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	6	0.71
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	6	0.71
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	6	0.71
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	11	0.71
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	11	0.71
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	11	0.71
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	1	0.71
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	1	0.71
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	1	0.71
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	1	0.71
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	1	0.71
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	1	0.71
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	1	0.71
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	1	0.71
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	1	0.71
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	11	0.71
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	18	0.71
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	18	0.71
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	18	0.71
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	13	0.71
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	13	0.71
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	13	0.71
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	6	0.71
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	6	0.71
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	6	0.71
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	20	0.71
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	20	0.71
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	20	0.71
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	13	0.71
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	13	0.71
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	13	0.71
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG21	7	0.71
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG22	7	0.71
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG23	7	0.71
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG21	8	0.71
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG22	8	0.71
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG23	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG21	15	0.71
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG22	15	0.71
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG23	15	0.71
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	1	0.71
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	1	0.71
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	1	0.71
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	15	0.71
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	15	0.71
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	15	0.71
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	18	0.71
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	18	0.71
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	18	0.71
(1,1588)	1:111:A:LEU:HD21	1:119:A:SER:HA	10	0.71
(1,1588)	1:111:A:LEU:HD22	1:119:A:SER:HA	10	0.71
(1,1588)	1:111:A:LEU:HD23	1:119:A:SER:HA	10	0.71
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	1	0.71
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	1	0.71
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	1	0.71
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	1	0.71
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	1	0.71
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	1	0.71
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	1	0.71
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	1	0.71
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	1	0.71
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	10	0.71
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	10	0.71
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	10	0.71
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	17	0.71
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	9	0.71
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	18	0.71
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	18	0.71
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	18	0.71
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	7	0.71
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	9	0.71
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	9	0.71
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	9	0.71
(1,3969)	1:11:A:HIS:HB2	1:11:A:HIS:HD2	5	0.7
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	17	0.7
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	17	0.7
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	17	0.7
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	6	0.7
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	6	0.7
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	6	0.7
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	6	0.7
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	6	0.7
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	17	0.7
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	17	0.7
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	7	0.7
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	7	0.7
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	7	0.7
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	7	0.7
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	7	0.7
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	7	0.7
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	20	0.7
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	20	0.7
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	20	0.7
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	20	0.7
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	20	0.7
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	20	0.7
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	11	0.7
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	11	0.7
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	11	0.7
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	11	0.7
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	11	0.7
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	11	0.7
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	11	0.7
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	11	0.7
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	11	0.7
(1,3323)	1:119:A:SER:HB3	1:120:A:SER:HB2	12	0.7
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	17	0.7
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	17	0.7
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	17	0.7
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	8	0.7
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	11	0.7
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	11	0.7
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	11	0.7
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	19	0.7
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	13	0.7
(1,3024)	1:68:A:LYS:HB2	1:159:A:GLN:HB3	3	0.7
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	4	0.7
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	12	0.7
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	2	0.7
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	2	0.7
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	13	0.7
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	13	0.7
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	13	0.7
(1,2718)	1:52:A:VAL:HG11	1:53:A:GLY:HA3	14	0.7
(1,2718)	1:52:A:VAL:HG12	1:53:A:GLY:HA3	14	0.7
(1,2718)	1:52:A:VAL:HG13	1:53:A:GLY:HA3	14	0.7
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB1	14	0.7
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB2	14	0.7
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB3	14	0.7
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	5	0.7
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	17	0.7
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	17	0.7
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	17	0.7
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	17	0.7
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	17	0.7
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	17	0.7
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	17	0.7
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	17	0.7
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	17	0.7
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	6	0.7
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	6	0.7
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	6	0.7
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	14	0.7
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	14	0.7
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	14	0.7
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	14	0.7
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	14	0.7
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	14	0.7
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	19	0.7
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	19	0.7
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	19	0.7
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	19	0.7
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	19	0.7
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	19	0.7
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	4	0.7
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	4	0.7
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	4	0.7
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	4	0.7
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	4	0.7
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	4	0.7
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	17	0.7
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	17	0.7
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	17	0.7
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	17	0.7
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	17	0.7
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	17	0.7
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	17	0.7
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	17	0.7
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	9	0.7
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	9	0.7
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	9	0.7
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	5	0.7
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	5	0.7
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	5	0.7
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	5	0.7
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	5	0.7
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	5	0.7
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	5	0.7
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	5	0.7
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	5	0.7
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	5	0.7
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	5	0.7
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	5	0.7
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	8	0.7
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	8	0.7
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	8	0.7
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	10	0.7
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	10	0.7
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	10	0.7
(1,1532)	1:74:A:LEU:HD21	1:75:A:GLY:HA3	3	0.7
(1,1532)	1:74:A:LEU:HD22	1:75:A:GLY:HA3	3	0.7
(1,1532)	1:74:A:LEU:HD23	1:75:A:GLY:HA3	3	0.7
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	6	0.7
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	6	0.7
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	6	0.7
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	6	0.7
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	6	0.7
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	6	0.7
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	6	0.7
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	6	0.7
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	6	0.7
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	8	0.7
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	8	0.7
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD11	15	0.7
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD12	15	0.7
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD13	15	0.7
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	4	0.7
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	4	0.7
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	4	0.7
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG21	19	0.7
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG22	19	0.7
(1,936)	1:27:A:SER:H	1:28:A:VAL:HG23	19	0.7
(1,851)	1:63:A:THR:H	1:64:A:ASN:HB3	20	0.7
(1,498)	1:155:A:LYS:HB2	1:170:A:VAL:H	1	0.7
(1,442)	1:68:A:LYS:H	1:160:A:GLY:HA3	7	0.7
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	5	0.7
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	5	0.7
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	5	0.7
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	11	0.7
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	17	0.7
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	17	0.7
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	17	0.7
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	20	0.7
(1,3969)	1:11:A:HIS:HB2	1:11:A:HIS:HD2	1	0.69
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	5	0.69
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	14	0.69
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	14	0.69
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	14	0.69
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	14	0.69
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	14	0.69
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	14	0.69
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	17	0.69
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	17	0.69
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	17	0.69
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	17	0.69
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	17	0.69
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	17	0.69
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	13	0.69
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	13	0.69
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	13	0.69
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	13	0.69
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	13	0.69
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	13	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	19	0.69
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	19	0.69
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	19	0.69
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	20	0.69
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	20	0.69
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	20	0.69
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	3	0.69
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	3	0.69
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	3	0.69
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	4	0.69
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	4	0.69
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	4	0.69
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	4	0.69
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	4	0.69
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	4	0.69
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	4	0.69
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	4	0.69
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	4	0.69
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	20	0.69
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	20	0.69
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	20	0.69
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	20	0.69
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	20	0.69
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	20	0.69
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	20	0.69
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	20	0.69
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	20	0.69
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	17	0.69
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	8	0.69
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	14	0.69
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	20	0.69
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	18	0.69
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	18	0.69
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	18	0.69
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	11	0.69
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG11	13	0.69
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG12	13	0.69
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG13	13	0.69
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG11	13	0.69
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG12	13	0.69
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG13	13	0.69
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	17	0.69
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	17	0.69
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	19	0.69
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	19	0.69
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	19	0.69
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	16	0.69
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	16	0.69
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	17	0.69
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	14	0.69
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	14	0.69
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	14	0.69
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	20	0.69
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	20	0.69
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	20	0.69
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	20	0.69
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	20	0.69
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	20	0.69
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	20	0.69
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	20	0.69
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	20	0.69
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	11	0.69
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	11	0.69
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	11	0.69
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	11	0.69
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	11	0.69
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	11	0.69
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	2	0.69
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	2	0.69
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	2	0.69
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	2	0.69
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	2	0.69
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	2	0.69
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	2	0.69
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	2	0.69
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	2	0.69
(1,1720)	1:24:A:ASP:HA	1:59:A:ASN:HB2	11	0.69
(1,1695)	1:71:A:VAL:HG11	1:72:A:ALA:H	4	0.69
(1,1695)	1:71:A:VAL:HG12	1:72:A:ALA:H	4	0.69
(1,1695)	1:71:A:VAL:HG13	1:72:A:ALA:H	4	0.69
(1,1695)	1:71:A:VAL:HG11	1:72:A:ALA:H	5	0.69
(1,1695)	1:71:A:VAL:HG12	1:72:A:ALA:H	5	0.69
(1,1695)	1:71:A:VAL:HG13	1:72:A:ALA:H	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	19	0.69
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	19	0.69
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	19	0.69
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	11	0.69
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	11	0.69
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	11	0.69
(1,1595)	1:111:A:LEU:HD21	1:120:A:SER:H	18	0.69
(1,1595)	1:111:A:LEU:HD22	1:120:A:SER:H	18	0.69
(1,1595)	1:111:A:LEU:HD23	1:120:A:SER:H	18	0.69
(1,1365)	1:75:A:GLY:HA2	1:86:A:LEU:HD21	12	0.69
(1,1365)	1:75:A:GLY:HA2	1:86:A:LEU:HD22	12	0.69
(1,1365)	1:75:A:GLY:HA2	1:86:A:LEU:HD23	12	0.69
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	2	0.69
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	2	0.69
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	2	0.69
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	2	0.69
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	2	0.69
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	2	0.69
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	2	0.69
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	2	0.69
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	2	0.69
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	3	0.69
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	3	0.69
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	3	0.69
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	3	0.69
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	3	0.69
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	3	0.69
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	3	0.69
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	3	0.69
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	3	0.69
(1,945)	1:170:A:VAL:HG11	1:172:A:GLY:H	8	0.69
(1,945)	1:170:A:VAL:HG12	1:172:A:GLY:H	8	0.69
(1,945)	1:170:A:VAL:HG13	1:172:A:GLY:H	8	0.69
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	12	0.69
(1,401)	1:34:A:LEU:HD11	1:135:A:ALA:H	18	0.69
(1,401)	1:34:A:LEU:HD12	1:135:A:ALA:H	18	0.69
(1,401)	1:34:A:LEU:HD13	1:135:A:ALA:H	18	0.69
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	16	0.69
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	16	0.69
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	16	0.69
(1,149)	1:123:A:THR:H	1:124:A:LEU:HD21	10	0.69
(1,149)	1:123:A:THR:H	1:124:A:LEU:HD22	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:123:A:THR:H	1:124:A:LEU:HD23	10	0.69
(1,49)	1:23:A:VAL:HG21	1:57:A:GLN:H	7	0.69
(1,49)	1:23:A:VAL:HG22	1:57:A:GLN:H	7	0.69
(1,49)	1:23:A:VAL:HG23	1:57:A:GLN:H	7	0.69
(1,3971)	1:82:A:HIS:HB2	1:82:A:HIS:HD2	3	0.68
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	3	0.68
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	3	0.68
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	3	0.68
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	3	0.68
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	3	0.68
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	3	0.68
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	16	0.68
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	16	0.68
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	16	0.68
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	16	0.68
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	16	0.68
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	16	0.68
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	14	0.68
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	14	0.68
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	6	0.68
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	6	0.68
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	4	0.68
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	4	0.68
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	4	0.68
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	4	0.68
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	4	0.68
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	4	0.68
(1,3785)	1:74:A:LEU:HD11	1:75:A:GLY:HA3	18	0.68
(1,3785)	1:74:A:LEU:HD12	1:75:A:GLY:HA3	18	0.68
(1,3785)	1:74:A:LEU:HD13	1:75:A:GLY:HA3	18	0.68
(1,3778)	1:106:A:ARG:HG2	1:107:A:THR:HB	1	0.68
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	16	0.68
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	16	0.68
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	16	0.68
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	2	0.68
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	2	0.68
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	2	0.68
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	10	0.68
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	5	0.68
(1,3527)	1:176:A:HIS:HB2	1:178:A:LYS:HE2	19	0.68
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	12	0.68
(1,3283)	1:70:A:ALA:H	1:159:A:GLN:HG3	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	7	0.68
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	1	0.68
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	1	0.68
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	1	0.68
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	3	0.68
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	3	0.68
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	3	0.68
(1,2718)	1:52:A:VAL:HG11	1:53:A:GLY:HA3	13	0.68
(1,2718)	1:52:A:VAL:HG12	1:53:A:GLY:HA3	13	0.68
(1,2718)	1:52:A:VAL:HG13	1:53:A:GLY:HA3	13	0.68
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG21	6	0.68
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG22	6	0.68
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG23	6	0.68
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG21	10	0.68
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG22	10	0.68
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG23	10	0.68
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	5	0.68
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	18	0.68
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	18	0.68
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	18	0.68
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	9	0.68
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	9	0.68
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	9	0.68
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	17	0.68
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	17	0.68
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	17	0.68
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	1	0.68
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	1	0.68
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	1	0.68
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	1	0.68
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	1	0.68
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	1	0.68
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	1	0.68
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	1	0.68
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	1	0.68
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG21	10	0.68
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG22	10	0.68
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG23	10	0.68
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	4	0.68
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	4	0.68
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	4	0.68
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	16	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	16	0.68
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	16	0.68
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	5	0.68
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	5	0.68
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	5	0.68
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	13	0.68
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	13	0.68
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	13	0.68
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	3	0.68
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	3	0.68
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	3	0.68
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	7	0.68
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	7	0.68
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	7	0.68
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	11	0.68
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	11	0.68
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	11	0.68
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	11	0.68
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	11	0.68
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	11	0.68
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	11	0.68
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	11	0.68
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	11	0.68
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	19	0.68
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	19	0.68
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	19	0.68
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	19	0.68
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	19	0.68
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	19	0.68
(1,498)	1:155:A:LYS:HB2	1:170:A:VAL:H	18	0.68
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	3	0.68
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	3	0.68
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	3	0.68
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	20	0.68
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	20	0.68
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	20	0.68
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG11	5	0.68
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG12	5	0.68
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG13	5	0.68
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	20	0.68
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	20	0.68
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	8	0.67
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	8	0.67
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	8	0.67
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	8	0.67
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	8	0.67
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	8	0.67
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	11	0.67
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	11	0.67
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	11	0.67
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	11	0.67
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	11	0.67
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	11	0.67
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	13	0.67
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	13	0.67
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	13	0.67
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	13	0.67
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	13	0.67
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	13	0.67
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	1	0.67
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	9	0.67
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	10	0.67
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	19	0.67
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	20	0.67
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	5	0.67
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	5	0.67
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	5	0.67
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG2	7	0.67
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG3	7	0.67
(1,3342)	1:23:A:VAL:HG21	1:27:A:SER:HB2	10	0.67
(1,3342)	1:23:A:VAL:HG22	1:27:A:SER:HB2	10	0.67
(1,3342)	1:23:A:VAL:HG23	1:27:A:SER:HB2	10	0.67
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	2	0.67
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	2	0.67
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	2	0.67
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	7	0.67
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	7	0.67
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	7	0.67
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	20	0.67
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	20	0.67
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	20	0.67
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	4	0.67
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	18	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3039)	1:16:A:VAL:HG21	1:168:A:THR:HB	5	0.67
(1,3039)	1:16:A:VAL:HG22	1:168:A:THR:HB	5	0.67
(1,3039)	1:16:A:VAL:HG23	1:168:A:THR:HB	5	0.67
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG11	14	0.67
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG12	14	0.67
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG13	14	0.67
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG11	14	0.67
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG12	14	0.67
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG13	14	0.67
(1,2867)	1:149:A:ASN:HB3	1:178:A:LYS:HE3	9	0.67
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	8	0.67
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG21	2	0.67
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG22	2	0.67
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG23	2	0.67
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	6	0.67
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	6	0.67
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	6	0.67
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG11	9	0.67
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG12	9	0.67
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG13	9	0.67
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG11	9	0.67
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG12	9	0.67
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG13	9	0.67
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG11	9	0.67
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG12	9	0.67
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG13	9	0.67
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	9	0.67
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	13	0.67
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	13	0.67
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	13	0.67
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG11	5	0.67
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG12	5	0.67
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG13	5	0.67
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	8	0.67
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	8	0.67
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	8	0.67
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG21	1	0.67
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG22	1	0.67
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG23	1	0.67
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG21	5	0.67
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG22	5	0.67
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG23	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG21	19	0.67
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG22	19	0.67
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG23	19	0.67
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	6	0.67
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	6	0.67
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	6	0.67
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	16	0.67
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	16	0.67
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	16	0.67
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	19	0.67
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	19	0.67
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	19	0.67
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	16	0.67
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	16	0.67
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	16	0.67
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	16	0.67
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	16	0.67
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	16	0.67
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	16	0.67
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	16	0.67
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	16	0.67
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	3	0.67
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	3	0.67
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	3	0.67
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	12	0.67
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	12	0.67
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	12	0.67
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	12	0.67
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	12	0.67
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	12	0.67
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	12	0.67
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	12	0.67
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	12	0.67
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	11	0.67
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	11	0.67
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	11	0.67
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	14	0.67
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	14	0.67
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	14	0.67
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	3	0.67
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	3	0.67
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	9	0.67
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	9	0.67
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	9	0.67
(1,1227)	1:42:A:LEU:HD11	1:48:A:THR:H	10	0.67
(1,1227)	1:42:A:LEU:HD12	1:48:A:THR:H	10	0.67
(1,1227)	1:42:A:LEU:HD13	1:48:A:THR:H	10	0.67
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	15	0.67
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	13	0.67
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	13	0.67
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	13	0.67
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	14	0.67
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG21	4	0.67
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG22	4	0.67
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG23	4	0.67
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	7	0.67
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	7	0.67
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	7	0.67
(1,297)	1:16:A:VAL:HG21	1:18:A:ASN:H	7	0.67
(1,297)	1:16:A:VAL:HG22	1:18:A:ASN:H	7	0.67
(1,297)	1:16:A:VAL:HG23	1:18:A:ASN:H	7	0.67
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	2	0.67
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	2	0.67
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	2	0.67
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	7	0.67
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	7	0.67
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	7	0.67
(1,3969)	1:11:A:HIS:HB2	1:11:A:HIS:HD2	2	0.66
(1,3969)	1:11:A:HIS:HB2	1:11:A:HIS:HD2	20	0.66
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	2	0.66
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	2	0.66
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	2	0.66
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	2	0.66
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	2	0.66
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	2	0.66
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	5	0.66
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	5	0.66
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	5	0.66
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	5	0.66
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	5	0.66
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	5	0.66
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	7	0.66
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	7	0.66
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	7	0.66
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	7	0.66
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	7	0.66
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	19	0.66
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	19	0.66
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	13	0.66
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	13	0.66
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	20	0.66
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	20	0.66
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	18	0.66
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	18	0.66
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	18	0.66
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	18	0.66
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	18	0.66
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	18	0.66
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	6	0.66
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	6	0.66
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	6	0.66
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	6	0.66
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	6	0.66
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	6	0.66
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	6	0.66
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	6	0.66
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	6	0.66
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	9	0.66
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	9	0.66
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	9	0.66
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	9	0.66
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	9	0.66
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	9	0.66
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	9	0.66
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	9	0.66
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	9	0.66
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	6	0.66
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	8	0.66
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	15	0.66
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB1	4	0.66
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB2	4	0.66
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB3	4	0.66
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	3	0.66
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	9	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	5	0.66
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	5	0.66
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	5	0.66
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	14	0.66
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	14	0.66
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	14	0.66
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	16	0.66
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	16	0.66
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	16	0.66
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	16	0.66
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	16	0.66
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	16	0.66
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	19	0.66
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG21	11	0.66
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG22	11	0.66
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG23	11	0.66
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	14	0.66
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	1	0.66
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	1	0.66
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	1	0.66
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	5	0.66
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	5	0.66
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	5	0.66
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG11	6	0.66
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG12	6	0.66
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG13	6	0.66
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	13	0.66
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	13	0.66
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	13	0.66
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	20	0.66
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	20	0.66
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	20	0.66
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	8	0.66
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	8	0.66
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	8	0.66
(1,1845)	1:28:A:VAL:HG11	1:29:A:ASP:HB2	20	0.66
(1,1845)	1:28:A:VAL:HG12	1:29:A:ASP:HB2	20	0.66
(1,1845)	1:28:A:VAL:HG13	1:29:A:ASP:HB2	20	0.66
(1,1845)	1:28:A:VAL:HG11	1:29:A:ASP:HB3	20	0.66
(1,1845)	1:28:A:VAL:HG12	1:29:A:ASP:HB3	20	0.66
(1,1845)	1:28:A:VAL:HG13	1:29:A:ASP:HB3	20	0.66
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	13	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	13	0.66
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	13	0.66
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	13	0.66
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	13	0.66
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	13	0.66
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	2	0.66
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	2	0.66
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	2	0.66
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	7	0.66
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	7	0.66
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	7	0.66
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	12	0.66
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	12	0.66
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	12	0.66
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	14	0.66
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	14	0.66
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	14	0.66
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	20	0.66
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	20	0.66
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	20	0.66
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	17	0.66
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	17	0.66
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	17	0.66
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	19	0.66
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	19	0.66
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	19	0.66
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG21	20	0.66
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG22	20	0.66
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG23	20	0.66
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	12	0.66
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	12	0.66
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	12	0.66
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	14	0.66
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	14	0.66
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	14	0.66
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG2	12	0.66
(1,1386)	1:104:A:LEU:HD21	1:134:A:GLN:HG3	12	0.66
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG2	12	0.66
(1,1386)	1:104:A:LEU:HD22	1:134:A:GLN:HG3	12	0.66
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG2	12	0.66
(1,1386)	1:104:A:LEU:HD23	1:134:A:GLN:HG3	12	0.66
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	19	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	19	0.66
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	19	0.66
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	19	0.66
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	19	0.66
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	19	0.66
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	19	0.66
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	19	0.66
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	19	0.66
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	4	0.66
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	12	0.66
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	12	0.66
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	12	0.66
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	17	0.66
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	1	0.65
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	1	0.65
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	1	0.65
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	1	0.65
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	1	0.65
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	1	0.65
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	12	0.65
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	12	0.65
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	12	0.65
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	12	0.65
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	12	0.65
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	12	0.65
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	18	0.65
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	18	0.65
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	18	0.65
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	18	0.65
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	18	0.65
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	18	0.65
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE1	19	0.65
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE2	19	0.65
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE1	19	0.65
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE2	19	0.65
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE1	19	0.65
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE2	19	0.65
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	9	0.65
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	9	0.65
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	6	0.65
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	6	0.65
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	1	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	1	0.65
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	1	0.65
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	1	0.65
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	1	0.65
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	1	0.65
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD1	8	0.65
(1,3810)	1:156:A:VAL:HG21	1:158:A:TYR:HD2	8	0.65
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD1	8	0.65
(1,3810)	1:156:A:VAL:HG22	1:158:A:TYR:HD2	8	0.65
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD1	8	0.65
(1,3810)	1:156:A:VAL:HG23	1:158:A:TYR:HD2	8	0.65
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	20	0.65
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	6	0.65
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	6	0.65
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	6	0.65
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	11	0.65
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	11	0.65
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	11	0.65
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	20	0.65
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	20	0.65
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	20	0.65
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	15	0.65
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	15	0.65
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	15	0.65
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	15	0.65
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	15	0.65
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	15	0.65
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	7	0.65
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	7	0.65
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	7	0.65
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	7	0.65
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	7	0.65
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	7	0.65
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	7	0.65
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	7	0.65
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	7	0.65
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	9	0.65
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	19	0.65
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	19	0.65
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	19	0.65
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	13	0.65
(1,2576)	1:59:A:ASN:HA	1:129:A:ASN:HD21	4	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG21	8	0.65
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG22	8	0.65
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG23	8	0.65
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	5	0.65
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	1	0.65
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	1	0.65
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	1	0.65
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	5	0.65
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	5	0.65
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	5	0.65
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	9	0.65
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	9	0.65
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	9	0.65
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	18	0.65
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	18	0.65
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	18	0.65
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	1	0.65
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	1	0.65
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	1	0.65
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG11	11	0.65
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG12	11	0.65
(1,2055)	1:33:A:GLN:H	1:52:A:VAL:HG13	11	0.65
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	7	0.65
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	7	0.65
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	7	0.65
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	7	0.65
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	7	0.65
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	7	0.65
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG21	13	0.65
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG22	13	0.65
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG23	13	0.65
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG21	17	0.65
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG22	17	0.65
(1,1856)	1:64:A:ASN:HA	1:65:A:VAL:HG23	17	0.65
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG21	15	0.65
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG22	15	0.65
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG23	15	0.65
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	17	0.65
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	17	0.65
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	17	0.65
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	17	0.65
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	17	0.65
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	10	0.65
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	10	0.65
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	10	0.65
(1,1695)	1:71:A:VAL:HG11	1:72:A:ALA:H	17	0.65
(1,1695)	1:71:A:VAL:HG12	1:72:A:ALA:H	17	0.65
(1,1695)	1:71:A:VAL:HG13	1:72:A:ALA:H	17	0.65
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	4	0.65
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	4	0.65
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	4	0.65
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	6	0.65
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	6	0.65
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	6	0.65
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	14	0.65
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	14	0.65
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	14	0.65
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	3	0.65
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	3	0.65
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	3	0.65
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	16	0.65
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	16	0.65
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	16	0.65
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	20	0.65
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	20	0.65
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	20	0.65
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	20	0.65
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	20	0.65
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	20	0.65
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	20	0.65
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	20	0.65
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	20	0.65
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	10	0.65
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	10	0.65
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	10	0.65
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	7	0.65
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	7	0.65
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	7	0.65
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	9	0.65
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	9	0.65
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	9	0.65
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	8	0.65
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	8	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	8	0.65
(1,43)	1:38:A:ARG:HG3	1:184:A:ALA:H	12	0.65
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	17	0.65
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	17	0.65
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	17	0.65
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	15	0.64
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	15	0.64
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	15	0.64
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	15	0.64
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	15	0.64
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	15	0.64
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	3	0.64
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	3	0.64
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	3	0.64
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	3	0.64
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	3	0.64
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	3	0.64
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	5	0.64
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	5	0.64
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	5	0.64
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	5	0.64
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	5	0.64
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	5	0.64
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	14	0.64
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	14	0.64
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	13	0.64
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	13	0.64
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	13	0.64
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	15	0.64
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	15	0.64
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	15	0.64
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	12	0.64
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	12	0.64
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	12	0.64
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	2	0.64
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	2	0.64
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	2	0.64
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	2	0.64
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	2	0.64
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	2	0.64
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	2	0.64
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	2	0.64
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	18	0.64
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	18	0.64
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	18	0.64
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	18	0.64
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	18	0.64
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	18	0.64
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	18	0.64
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	18	0.64
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	18	0.64
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	3	0.64
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	3	0.64
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	3	0.64
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	20	0.64
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	15	0.64
(1,3072)	1:55:A:ASN:HB2	1:130:A:THR:HB	9	0.64
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	12	0.64
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	10	0.64
(1,2941)	1:12:A:PHE:HB2	1:13:A:LYS:HA	16	0.64
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	6	0.64
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	6	0.64
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	6	0.64
(1,2846)	1:54:A:PHE:HA	1:55:A:ASN:HB3	13	0.64
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	2	0.64
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG21	4	0.64
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG22	4	0.64
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG23	4	0.64
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG21	15	0.64
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG22	15	0.64
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG23	15	0.64
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG11	8	0.64
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG12	8	0.64
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG13	8	0.64
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	6	0.64
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	6	0.64
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	6	0.64
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	9	0.64
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	9	0.64
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	9	0.64
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	3	0.64
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	1	0.64
(1,1938)	1:124:A:LEU:HD21	1:129:A:ASN:HD22	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:124:A:LEU:HD22	1:129:A:ASN:HD22	9	0.64
(1,1938)	1:124:A:LEU:HD23	1:129:A:ASN:HD22	9	0.64
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	8	0.64
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	8	0.64
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	8	0.64
(1,1744)	1:23:A:VAL:HG11	1:59:A:ASN:H	10	0.64
(1,1744)	1:23:A:VAL:HG12	1:59:A:ASN:H	10	0.64
(1,1744)	1:23:A:VAL:HG13	1:59:A:ASN:H	10	0.64
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	1	0.64
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	1	0.64
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	1	0.64
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	9	0.64
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	9	0.64
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	9	0.64
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	16	0.64
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	16	0.64
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	16	0.64
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD11	19	0.64
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD12	19	0.64
(1,1562)	1:104:A:LEU:HA	1:104:A:LEU:HD13	19	0.64
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	9	0.64
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	9	0.64
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	9	0.64
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	14	0.64
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	14	0.64
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	14	0.64
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	10	0.64
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	10	0.64
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	10	0.64
(1,1100)	1:104:A:LEU:HD21	1:134:A:GLN:HE21	10	0.64
(1,1100)	1:104:A:LEU:HD22	1:134:A:GLN:HE21	10	0.64
(1,1100)	1:104:A:LEU:HD23	1:134:A:GLN:HE21	10	0.64
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	14	0.64
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	6	0.64
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	3	0.64
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	3	0.64
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	3	0.64
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	11	0.64
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	11	0.64
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	11	0.64
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	18	0.64
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	18	0.64
(1,676)	1:52:A:VAL:HG11	1:54:A:PHE:H	5	0.64
(1,676)	1:52:A:VAL:HG12	1:54:A:PHE:H	5	0.64
(1,676)	1:52:A:VAL:HG13	1:54:A:PHE:H	5	0.64
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	2	0.64
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	2	0.64
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	2	0.64
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	15	0.64
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG11	8	0.64
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG12	8	0.64
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG13	8	0.64
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	18	0.63
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	19	0.63
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	19	0.63
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	19	0.63
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	19	0.63
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	19	0.63
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	19	0.63
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	6	0.63
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	6	0.63
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	6	0.63
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	6	0.63
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	12	0.63
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	12	0.63
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	12	0.63
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	12	0.63
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	12	0.63
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	12	0.63
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	12	0.63
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	12	0.63
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	12	0.63
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	2	0.63
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	6	0.63
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	15	0.63
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	15	0.63
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	15	0.63
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	7	0.63
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	2	0.63
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	10	0.63
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	10	0.63
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	10	0.63
(1,2846)	1:54:A:PHE:HA	1:55:A:ASN:HB3	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD21	18	0.63
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD22	18	0.63
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD23	18	0.63
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	9	0.63
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG21	17	0.63
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG22	17	0.63
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG23	17	0.63
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	4	0.63
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	4	0.63
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	4	0.63
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	7	0.63
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	7	0.63
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	7	0.63
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	19	0.63
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	19	0.63
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	19	0.63
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	4	0.63
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	4	0.63
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	4	0.63
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	18	0.63
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	5	0.63
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	5	0.63
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	5	0.63
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	5	0.63
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	5	0.63
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	5	0.63
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	5	0.63
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	5	0.63
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	5	0.63
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	6	0.63
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	6	0.63
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	6	0.63
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	6	0.63
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	6	0.63
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	6	0.63
(1,1938)	1:124:A:LEU:HD21	1:129:A:ASN:HD22	13	0.63
(1,1938)	1:124:A:LEU:HD22	1:129:A:ASN:HD22	13	0.63
(1,1938)	1:124:A:LEU:HD23	1:129:A:ASN:HD22	13	0.63
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	4	0.63
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	4	0.63
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	4	0.63
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	10	0.63
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	10	0.63
(1,1643)	1:101:A:VAL:HG11	1:150:A:ALA:H	6	0.63
(1,1643)	1:101:A:VAL:HG12	1:150:A:ALA:H	6	0.63
(1,1643)	1:101:A:VAL:HG13	1:150:A:ALA:H	6	0.63
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG21	7	0.63
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG22	7	0.63
(1,1607)	1:61:A:CYS:HA	1:65:A:VAL:HG23	7	0.63
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	4	0.63
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	4	0.63
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	4	0.63
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	15	0.63
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	15	0.63
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	15	0.63
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	10	0.63
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	10	0.63
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	10	0.63
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	10	0.63
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	10	0.63
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	10	0.63
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	10	0.63
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	10	0.63
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	10	0.63
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB1	18	0.63
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB2	18	0.63
(1,1346)	1:101:A:VAL:HG21	1:135:A:ALA:HB3	18	0.63
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB1	18	0.63
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB2	18	0.63
(1,1346)	1:101:A:VAL:HG22	1:135:A:ALA:HB3	18	0.63
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB1	18	0.63
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB2	18	0.63
(1,1346)	1:101:A:VAL:HG23	1:135:A:ALA:HB3	18	0.63
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	6	0.63
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	6	0.63
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	6	0.63
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	6	0.63
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	6	0.63
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	6	0.63
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	6	0.63
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	6	0.63
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	6	0.63
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG11	19	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG12	19	0.63
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG13	19	0.63
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	17	0.63
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	12	0.63
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	12	0.63
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	12	0.63
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	18	0.63
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	18	0.63
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	18	0.63
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	15	0.63
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	15	0.63
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	15	0.63
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	8	0.62
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	8	0.62
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	8	0.62
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	8	0.62
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	8	0.62
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	8	0.62
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD1	5	0.62
(1,3891)	1:86:A:LEU:HD21	1:177:A:PHE:HD2	5	0.62
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD1	5	0.62
(1,3891)	1:86:A:LEU:HD22	1:177:A:PHE:HD2	5	0.62
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD1	5	0.62
(1,3891)	1:86:A:LEU:HD23	1:177:A:PHE:HD2	5	0.62
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	13	0.62
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	13	0.62
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	13	0.62
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	13	0.62
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	13	0.62
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	13	0.62
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	7	0.62
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	7	0.62
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	7	0.62
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	7	0.62
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	7	0.62
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	7	0.62
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	16	0.62
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	16	0.62
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	16	0.62
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	16	0.62
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	16	0.62
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	16	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	18	0.62
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	18	0.62
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	18	0.62
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	10	0.62
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	13	0.62
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	13	0.62
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	13	0.62
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	18	0.62
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	18	0.62
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	18	0.62
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	13	0.62
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	17	0.62
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	1	0.62
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG11	1	0.62
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG12	1	0.62
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG13	1	0.62
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG11	1	0.62
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG12	1	0.62
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG13	1	0.62
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	14	0.62
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG21	9	0.62
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG22	9	0.62
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG23	9	0.62
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	12	0.62
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	3	0.62
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	3	0.62
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	3	0.62
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	3	0.62
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	3	0.62
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	3	0.62
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	3	0.62
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	3	0.62
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	3	0.62
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	2	0.62
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	2	0.62
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	2	0.62
(1,2168)	1:18:A:ASN:HB3	1:19:A:ALA:HB1	6	0.62
(1,2168)	1:18:A:ASN:HB3	1:19:A:ALA:HB2	6	0.62
(1,2168)	1:18:A:ASN:HB3	1:19:A:ALA:HB3	6	0.62
(1,2150)	1:104:A:LEU:HB3	1:134:A:GLN:HA	14	0.62
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	20	0.62
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	13	0.62
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	13	0.62
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	9	0.62
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	9	0.62
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	9	0.62
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	16	0.62
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	16	0.62
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	16	0.62
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG21	5	0.62
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG22	5	0.62
(1,1931)	1:16:A:VAL:HG21	1:168:A:THR:HG23	5	0.62
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG21	5	0.62
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG22	5	0.62
(1,1931)	1:16:A:VAL:HG22	1:168:A:THR:HG23	5	0.62
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG21	5	0.62
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG22	5	0.62
(1,1931)	1:16:A:VAL:HG23	1:168:A:THR:HG23	5	0.62
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	5	0.62
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	5	0.62
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	5	0.62
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	5	0.62
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	5	0.62
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	5	0.62
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	11	0.62
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	11	0.62
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	11	0.62
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	14	0.62
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	14	0.62
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	14	0.62
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	10	0.62
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	10	0.62
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	10	0.62
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	18	0.62
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	18	0.62
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	18	0.62
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	1	0.62
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	1	0.62
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	1	0.62
(1,1601)	1:124:A:LEU:HD11	1:158:A:TYR:HA	9	0.62
(1,1601)	1:124:A:LEU:HD12	1:158:A:TYR:HA	9	0.62
(1,1601)	1:124:A:LEU:HD13	1:158:A:TYR:HA	9	0.62
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	8	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	8	0.62
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	8	0.62
(1,1525)	1:58:A:LEU:HD21	1:156:A:VAL:HG21	8	0.62
(1,1525)	1:58:A:LEU:HD21	1:156:A:VAL:HG22	8	0.62
(1,1525)	1:58:A:LEU:HD21	1:156:A:VAL:HG23	8	0.62
(1,1525)	1:58:A:LEU:HD22	1:156:A:VAL:HG21	8	0.62
(1,1525)	1:58:A:LEU:HD22	1:156:A:VAL:HG22	8	0.62
(1,1525)	1:58:A:LEU:HD22	1:156:A:VAL:HG23	8	0.62
(1,1525)	1:58:A:LEU:HD23	1:156:A:VAL:HG21	8	0.62
(1,1525)	1:58:A:LEU:HD23	1:156:A:VAL:HG22	8	0.62
(1,1525)	1:58:A:LEU:HD23	1:156:A:VAL:HG23	8	0.62
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD11	20	0.62
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD12	20	0.62
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD13	20	0.62
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD11	20	0.62
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD12	20	0.62
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD13	20	0.62
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD11	20	0.62
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD12	20	0.62
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD13	20	0.62
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	20	0.62
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	20	0.62
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	20	0.62
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	20	0.62
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	20	0.62
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	20	0.62
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	20	0.62
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	20	0.62
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	20	0.62
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	19	0.62
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	19	0.62
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	19	0.62
(1,1228)	1:23:A:VAL:HG11	1:173:A:GLY:H	6	0.62
(1,1228)	1:23:A:VAL:HG12	1:173:A:GLY:H	6	0.62
(1,1228)	1:23:A:VAL:HG13	1:173:A:GLY:H	6	0.62
(1,841)	1:84:A:ASN:H	1:84:A:ASN:HD22	20	0.62
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG21	19	0.62
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG22	19	0.62
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG23	19	0.62
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	2	0.62
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	2	0.62
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	10	0.62
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	13	0.62
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	17	0.62
(1,3969)	1:11:A:HIS:HB2	1:11:A:HIS:HD2	19	0.61
(1,3962)	1:176:A:HIS:HB3	1:176:A:HIS:HD2	11	0.61
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	16	0.61
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	16	0.61
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	15	0.61
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	19	0.61
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	2	0.61
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	2	0.61
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	2	0.61
(1,3518)	1:120:A:SER:HB2	1:133:A:PHE:HE1	10	0.61
(1,3518)	1:120:A:SER:HB2	1:133:A:PHE:HE2	10	0.61
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD2	10	0.61
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD3	10	0.61
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB1	9	0.61
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB2	9	0.61
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB3	9	0.61
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	18	0.61
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	18	0.61
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	18	0.61
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	8	0.61
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	18	0.61
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	15	0.61
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	15	0.61
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	15	0.61
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	8	0.61
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	8	0.61
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	8	0.61
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	12	0.61
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	12	0.61
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	12	0.61
(1,2780)	1:33:A:GLN:HB2	1:35:A:GLY:HA2	15	0.61
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	13	0.61
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	15	0.61
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	8	0.61
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	8	0.61
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	8	0.61
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	12	0.61
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	12	0.61
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2168)	1:18:A:ASN:HB3	1:19:A:ALA:HB1	16	0.61
(1,2168)	1:18:A:ASN:HB3	1:19:A:ALA:HB2	16	0.61
(1,2168)	1:18:A:ASN:HB3	1:19:A:ALA:HB3	16	0.61
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	16	0.61
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	7	0.61
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	7	0.61
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	7	0.61
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	7	0.61
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	7	0.61
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	7	0.61
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	7	0.61
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	7	0.61
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	7	0.61
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	10	0.61
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	10	0.61
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	10	0.61
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	13	0.61
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	13	0.61
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	13	0.61
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	13	0.61
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	13	0.61
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	13	0.61
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG21	3	0.61
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG22	3	0.61
(1,1712)	1:78:A:ILE:HB	1:85:A:VAL:HG23	3	0.61
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	18	0.61
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	18	0.61
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	18	0.61
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	18	0.61
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	18	0.61
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	18	0.61
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	18	0.61
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	18	0.61
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	18	0.61
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	8	0.61
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	8	0.61
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	8	0.61
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	18	0.61
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	18	0.61
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	18	0.61
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	18	0.61
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	18	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	18	0.61
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	18	0.61
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	18	0.61
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	18	0.61
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	1	0.61
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	1	0.61
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	1	0.61
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	15	0.61
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	15	0.61
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	15	0.61
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	2	0.61
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	2	0.61
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	2	0.61
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	16	0.61
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	16	0.61
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	16	0.61
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	17	0.61
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	17	0.61
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	17	0.61
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	17	0.61
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	17	0.61
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	17	0.61
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	16	0.61
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	16	0.61
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	16	0.61
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	16	0.61
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	16	0.61
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	16	0.61
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	16	0.61
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	16	0.61
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	16	0.61
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD11	15	0.61
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD12	15	0.61
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD13	15	0.61
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD11	15	0.61
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD12	15	0.61
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD13	15	0.61
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD11	15	0.61
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD12	15	0.61
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD13	15	0.61
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD11	10	0.61
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD12	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD13	10	0.61
(1,1100)	1:104:A:LEU:HD21	1:134:A:GLN:HE21	15	0.61
(1,1100)	1:104:A:LEU:HD22	1:134:A:GLN:HE21	15	0.61
(1,1100)	1:104:A:LEU:HD23	1:134:A:GLN:HE21	15	0.61
(1,841)	1:84:A:ASN:H	1:84:A:ASN:HD22	2	0.61
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	15	0.61
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	15	0.61
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	15	0.61
(1,495)	1:13:A:LYS:HB2	1:15:A:GLU:H	11	0.61
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	17	0.61
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	17	0.61
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	17	0.61
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	15	0.61
(1,149)	1:123:A:THR:H	1:124:A:LEU:HD21	15	0.61
(1,149)	1:123:A:THR:H	1:124:A:LEU:HD22	15	0.61
(1,149)	1:123:A:THR:H	1:124:A:LEU:HD23	15	0.61
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	7	0.61
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	7	0.61
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	7	0.61
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	9	0.61
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	19	0.61
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	10	0.6
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	10	0.6
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	10	0.6
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	10	0.6
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	10	0.6
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	10	0.6
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	6	0.6
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	6	0.6
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD11	19	0.6
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD12	19	0.6
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD13	19	0.6
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD11	19	0.6
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD12	19	0.6
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD13	19	0.6
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD11	19	0.6
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD12	19	0.6
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD13	19	0.6
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	6	0.6
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	6	0.6
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	6	0.6
(1,3527)	1:176:A:HIS:HB2	1:178:A:LYS:HE2	13	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3469)	1:84:A:ASN:HB2	1:112:A:THR:HA	5	0.6
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	8	0.6
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	8	0.6
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	8	0.6
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	3	0.6
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	3	0.6
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	3	0.6
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	3	0.6
(1,2804)	1:102:A:GLN:HG2	1:138:A:PHE:HB3	2	0.6
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	20	0.6
(1,2687)	1:27:A:SER:HB2	1:56:A:ILE:HD11	19	0.6
(1,2687)	1:27:A:SER:HB2	1:56:A:ILE:HD12	19	0.6
(1,2687)	1:27:A:SER:HB2	1:56:A:ILE:HD13	19	0.6
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	4	0.6
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	20	0.6
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	7	0.6
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	7	0.6
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	7	0.6
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	6	0.6
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	6	0.6
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	6	0.6
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	13	0.6
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	13	0.6
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	13	0.6
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	15	0.6
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	15	0.6
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	15	0.6
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	19	0.6
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	19	0.6
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	19	0.6
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	19	0.6
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	19	0.6
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	19	0.6
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	19	0.6
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	19	0.6
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	19	0.6
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	9	0.6
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	9	0.6
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	9	0.6
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	6	0.6
(1,2114)	1:156:A:VAL:HG21	1:158:A:TYR:HA	3	0.6
(1,2114)	1:156:A:VAL:HG22	1:158:A:TYR:HA	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2114)	1:156:A:VAL:HG23	1:158:A:TYR:HA	3	0.6
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	17	0.6
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	17	0.6
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	17	0.6
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG11	18	0.6
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG12	18	0.6
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG13	18	0.6
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	16	0.6
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	16	0.6
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	16	0.6
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	16	0.6
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	16	0.6
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	16	0.6
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	16	0.6
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	16	0.6
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	16	0.6
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	12	0.6
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	12	0.6
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	12	0.6
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	5	0.6
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	5	0.6
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	5	0.6
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	20	0.6
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	20	0.6
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	20	0.6
(1,1987)	1:99:A:VAL:HG11	1:137:A:TYR:HB2	9	0.6
(1,1987)	1:99:A:VAL:HG12	1:137:A:TYR:HB2	9	0.6
(1,1987)	1:99:A:VAL:HG13	1:137:A:TYR:HB2	9	0.6
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	9	0.6
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	9	0.6
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	9	0.6
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	9	0.6
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	9	0.6
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	9	0.6
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG21	5	0.6
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG22	5	0.6
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG23	5	0.6
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG21	15	0.6
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG22	15	0.6
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG23	15	0.6
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG21	19	0.6
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG22	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG23	19	0.6
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	14	0.6
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	14	0.6
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	14	0.6
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	19	0.6
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	19	0.6
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	19	0.6
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD11	7	0.6
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD12	7	0.6
(1,1572)	1:102:A:GLN:HG3	1:104:A:LEU:HD13	7	0.6
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	1	0.6
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	1	0.6
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	1	0.6
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	19	0.6
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	19	0.6
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	19	0.6
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD11	18	0.6
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD12	18	0.6
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD13	18	0.6
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	8	0.6
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	12	0.6
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	12	0.6
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	12	0.6
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	16	0.59
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	16	0.59
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	16	0.59
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	16	0.59
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	16	0.59
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	16	0.59
(1,3969)	1:11:A:HIS:HB2	1:11:A:HIS:HD2	12	0.59
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	9	0.59
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	9	0.59
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	9	0.59
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	9	0.59
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	9	0.59
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	9	0.59
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	17	0.59
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	17	0.59
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	17	0.59
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	17	0.59
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	17	0.59
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	4	0.59
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	4	0.59
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	4	0.59
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	4	0.59
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	4	0.59
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	4	0.59
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	13	0.59
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	13	0.59
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	18	0.59
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	18	0.59
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	5	0.59
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	5	0.59
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	5	0.59
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	5	0.59
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	5	0.59
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	5	0.59
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD11	16	0.59
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD12	16	0.59
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD13	16	0.59
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD11	16	0.59
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD12	16	0.59
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD13	16	0.59
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD11	16	0.59
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD12	16	0.59
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD13	16	0.59
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	1	0.59
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	1	0.59
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	1	0.59
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	4	0.59
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	4	0.59
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	4	0.59
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	10	0.59
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	10	0.59
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	10	0.59
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	1	0.59
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	6	0.59
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	11	0.59
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	14	0.59
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	15	0.59
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	1	0.59
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	1	0.59
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	5	0.59
(1,3133)	1:98:A:ASN:HB2	1:141:A:GLY:HA2	18	0.59
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	18	0.59
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	18	0.59
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	18	0.59
(1,3042)	1:155:A:LYS:HB2	1:172:A:GLY:H	1	0.59
(1,2846)	1:54:A:PHE:HA	1:55:A:ASN:HB3	9	0.59
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	4	0.59
(1,2729)	1:14:A:GLY:HA2	1:15:A:GLU:HB3	2	0.59
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	3	0.59
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	5	0.59
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	5	0.59
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	5	0.59
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	15	0.59
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	15	0.59
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	15	0.59
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	11	0.59
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	11	0.59
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	11	0.59
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG11	14	0.59
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG12	14	0.59
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG13	14	0.59
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG11	14	0.59
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG12	14	0.59
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG13	14	0.59
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG11	14	0.59
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG12	14	0.59
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG13	14	0.59
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	9	0.59
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	9	0.59
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	9	0.59
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	9	0.59
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	9	0.59
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	9	0.59
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	9	0.59
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	9	0.59
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	9	0.59
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	4	0.59
(1,1820)	1:10:A:VAL:HG11	1:11:A:HIS:HA	15	0.59
(1,1820)	1:10:A:VAL:HG12	1:11:A:HIS:HA	15	0.59
(1,1820)	1:10:A:VAL:HG13	1:11:A:HIS:HA	15	0.59
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	16	0.59
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	16	0.59
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	16	0.59
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	16	0.59
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	16	0.59
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG21	2	0.59
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG22	2	0.59
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG23	2	0.59
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG21	8	0.59
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG22	8	0.59
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG23	8	0.59
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG21	12	0.59
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG22	12	0.59
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG23	12	0.59
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	11	0.59
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	11	0.59
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	11	0.59
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	2	0.59
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	2	0.59
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	2	0.59
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	16	0.59
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	16	0.59
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	16	0.59
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	11	0.59
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	11	0.59
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	11	0.59
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	11	0.59
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	11	0.59
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	11	0.59
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	11	0.59
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	11	0.59
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	11	0.59
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	20	0.59
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	20	0.59
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	20	0.59
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	13	0.59
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	13	0.59
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	13	0.59
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	19	0.59
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	19	0.59
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	19	0.59
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	12	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	12	0.59
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	12	0.59
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	12	0.59
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	14	0.59
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	14	0.59
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	14	0.59
(1,498)	1:155:A:LYS:HB2	1:170:A:VAL:H	4	0.59
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	5	0.59
(1,49)	1:23:A:VAL:HG21	1:57:A:GLN:H	6	0.59
(1,49)	1:23:A:VAL:HG22	1:57:A:GLN:H	6	0.59
(1,49)	1:23:A:VAL:HG23	1:57:A:GLN:H	6	0.59
(1,3969)	1:11:A:HIS:HB2	1:11:A:HIS:HD2	6	0.58
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	7	0.58
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	7	0.58
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	1	0.58
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	1	0.58
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	2	0.58
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	2	0.58
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	10	0.58
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	10	0.58
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	3	0.58
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	17	0.58
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	1	0.58
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	1	0.58
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	1	0.58
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	1	0.58
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	1	0.58
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	1	0.58
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	1	0.58
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	1	0.58
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	1	0.58
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	19	0.58
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	19	0.58
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	19	0.58
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	19	0.58
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	19	0.58
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	19	0.58
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	19	0.58
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	19	0.58
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	19	0.58
(1,3377)	1:95:A:SER:H	1:95:A:SER:HB2	7	0.58
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	7	0.58
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	4	0.58
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	4	0.58
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	4	0.58
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG11	20	0.58
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG12	20	0.58
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG13	20	0.58
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG11	20	0.58
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG12	20	0.58
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG13	20	0.58
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	7	0.58
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	7	0.58
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	7	0.58
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	9	0.58
(1,2729)	1:14:A:GLY:HA2	1:15:A:GLU:HB3	17	0.58
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	6	0.58
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	4	0.58
(1,2572)	1:125:A:ASN:HA	1:129:A:ASN:HD22	8	0.58
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	6	0.58
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	9	0.58
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	18	0.58
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	19	0.58
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	13	0.58
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	13	0.58
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	13	0.58
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	18	0.58
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	18	0.58
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	18	0.58
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	4	0.58
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	4	0.58
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	4	0.58
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	7	0.58
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	7	0.58
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	7	0.58
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	9	0.58
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	12	0.58
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	12	0.58
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	12	0.58
(1,2101)	1:114:A:ASP:HB3	1:116:A:ALA:HB1	18	0.58
(1,2101)	1:114:A:ASP:HB3	1:116:A:ALA:HB2	18	0.58
(1,2101)	1:114:A:ASP:HB3	1:116:A:ALA:HB3	18	0.58
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG11	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG12	10	0.58
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG13	10	0.58
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	9	0.58
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	9	0.58
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	9	0.58
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	4	0.58
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	4	0.58
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	4	0.58
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	11	0.58
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	11	0.58
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	11	0.58
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	16	0.58
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	16	0.58
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	16	0.58
(1,1588)	1:111:A:LEU:HD21	1:119:A:SER:HA	18	0.58
(1,1588)	1:111:A:LEU:HD22	1:119:A:SER:HA	18	0.58
(1,1588)	1:111:A:LEU:HD23	1:119:A:SER:HA	18	0.58
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD11	3	0.58
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD12	3	0.58
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD13	3	0.58
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD11	4	0.58
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD12	4	0.58
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD13	4	0.58
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	8	0.58
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	8	0.58
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	8	0.58
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	3	0.58
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	13	0.58
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	11	0.58
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	13	0.58
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	13	0.58
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	13	0.58
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	14	0.58
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	7	0.58
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	7	0.58
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	7	0.58
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG21	6	0.58
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG22	6	0.58
(1,386)	1:16:A:VAL:H	1:170:A:VAL:HG23	6	0.58
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	14	0.58
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	14	0.58
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	4	0.57
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	4	0.57
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	4	0.57
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	4	0.57
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	4	0.57
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	4	0.57
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE1	20	0.57
(1,3926)	1:175:A:VAL:HG21	1:177:A:PHE:HE2	20	0.57
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE1	20	0.57
(1,3926)	1:175:A:VAL:HG22	1:177:A:PHE:HE2	20	0.57
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE1	20	0.57
(1,3926)	1:175:A:VAL:HG23	1:177:A:PHE:HE2	20	0.57
(1,3778)	1:106:A:ARG:HG2	1:107:A:THR:HB	19	0.57
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	1	0.57
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	13	0.57
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	18	0.57
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	3	0.57
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	8	0.57
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	8	0.57
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	8	0.57
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	8	0.57
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	8	0.57
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	8	0.57
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	8	0.57
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	8	0.57
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	8	0.57
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	3	0.57
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	3	0.57
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	3	0.57
(1,3497)	1:106:A:ARG:HB2	1:132:A:PRO:HD2	7	0.57
(1,3322)	1:68:A:LYS:H	1:159:A:GLN:HB3	16	0.57
(1,2881)	1:155:A:LYS:HE3	1:171:A:ASN:HD22	2	0.57
(1,2878)	1:115:A:GLY:HA2	1:155:A:LYS:HE3	19	0.57
(1,2846)	1:54:A:PHE:HA	1:55:A:ASN:HB3	7	0.57
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	3	0.57
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	13	0.57
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	19	0.57
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB1	3	0.57
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB2	3	0.57
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB3	3	0.57
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	17	0.57
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	7	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	13	0.57
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	10	0.57
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	10	0.57
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	10	0.57
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	17	0.57
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	17	0.57
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	17	0.57
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	3	0.57
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	3	0.57
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	3	0.57
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	19	0.57
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	19	0.57
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	19	0.57
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	15	0.57
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	15	0.57
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	15	0.57
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	16	0.57
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	16	0.57
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	16	0.57
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	1	0.57
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	1	0.57
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	1	0.57
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	4	0.57
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	4	0.57
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	4	0.57
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	4	0.57
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	4	0.57
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	4	0.57
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	4	0.57
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	4	0.57
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	4	0.57
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	12	0.57
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	12	0.57
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	12	0.57
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	12	0.57
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	12	0.57
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	12	0.57
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	12	0.57
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	12	0.57
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	12	0.57
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	10	0.57
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	10	0.57
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	12	0.57
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	12	0.57
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	12	0.57
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG11	2	0.57
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG12	2	0.57
(1,1746)	1:23:A:VAL:H	1:23:A:VAL:HG13	2	0.57
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG21	17	0.57
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG22	17	0.57
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG23	17	0.57
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	11	0.57
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	11	0.57
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	11	0.57
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	3	0.57
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	3	0.57
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	3	0.57
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	10	0.57
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	10	0.57
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	10	0.57
(1,1583)	1:111:A:LEU:HD21	1:119:A:SER:H	18	0.57
(1,1583)	1:111:A:LEU:HD22	1:119:A:SER:H	18	0.57
(1,1583)	1:111:A:LEU:HD23	1:119:A:SER:H	18	0.57
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	5	0.57
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	5	0.57
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	5	0.57
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	19	0.57
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	19	0.57
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	19	0.57
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	18	0.57
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	11	0.57
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	11	0.57
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	11	0.57
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	1	0.57
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	1	0.57
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	1	0.57
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	9	0.57
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	9	0.57
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	9	0.57
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	8	0.57
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	18	0.56
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	18	0.56
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	18	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	18	0.56
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	18	0.56
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	18	0.56
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	2	0.56
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	2	0.56
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	2	0.56
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	2	0.56
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	2	0.56
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	2	0.56
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	5	0.56
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	5	0.56
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	11	0.56
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	11	0.56
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	11	0.56
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	11	0.56
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	11	0.56
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	3	0.56
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	3	0.56
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	3	0.56
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	20	0.56
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	20	0.56
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	20	0.56
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	15	0.56
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	15	0.56
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	15	0.56
(1,2982)	1:16:A:VAL:HG21	1:18:A:ASN:HB2	10	0.56
(1,2982)	1:16:A:VAL:HG22	1:18:A:ASN:HB2	10	0.56
(1,2982)	1:16:A:VAL:HG23	1:18:A:ASN:HB2	10	0.56
(1,2804)	1:102:A:GLN:HG2	1:138:A:PHE:HB3	20	0.56
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	18	0.56
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB1	20	0.56
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB2	20	0.56
(1,2732)	1:94:A:GLY:HA3	1:147:A:ALA:HB3	20	0.56
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	8	0.56
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	12	0.56
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	12	0.56
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	12	0.56
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	8	0.56
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	15	0.56
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	15	0.56
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	15	0.56
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	14	0.56
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	14	0.56
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	14	0.56
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	14	0.56
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	14	0.56
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	20	0.56
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	20	0.56
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	20	0.56
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	3	0.56
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	3	0.56
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	3	0.56
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	12	0.56
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	12	0.56
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	12	0.56
(1,1467)	1:12:A:PHE:HA	1:13:A:LYS:HG2	4	0.56
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	18	0.56
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	16	0.56
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	16	0.56
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	16	0.56
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	19	0.56
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	19	0.56
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	19	0.56
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	14	0.56
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	9	0.56
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	18	0.56
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	18	0.56
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	6	0.56
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	6	0.56
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	6	0.56
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	17	0.56
(1,387)	1:10:A:VAL:HG11	1:12:A:PHE:H	10	0.56
(1,387)	1:10:A:VAL:HG12	1:12:A:PHE:H	10	0.56
(1,387)	1:10:A:VAL:HG13	1:12:A:PHE:H	10	0.56
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	1	0.56
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	1	0.56
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	1	0.56
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	4	0.56
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	4	0.56
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	4	0.56
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	14	0.56
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	14	0.56
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	5	0.56
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	5	0.56
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	5	0.56
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	6	0.55
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	6	0.55
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	6	0.55
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	6	0.55
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	6	0.55
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	6	0.55
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	17	0.55
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	17	0.55
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	17	0.55
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	17	0.55
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	17	0.55
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	17	0.55
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	1	0.55
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	1	0.55
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	1	0.55
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	8	0.55
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	8	0.55
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	2	0.55
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	4	0.55
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	7	0.55
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	7	0.55
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	7	0.55
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	7	0.55
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	7	0.55
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	7	0.55
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	7	0.55
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	7	0.55
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	7	0.55
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	14	0.55
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	14	0.55
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	14	0.55
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	16	0.55
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	16	0.55
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	16	0.55
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	16	0.55
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	16	0.55
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	16	0.55
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	16	0.55
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	16	0.55
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD2	11	0.55
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD3	11	0.55
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	10	0.55
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	7	0.55
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	7	0.55
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	7	0.55
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	16	0.55
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	2	0.55
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	2	0.55
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	2	0.55
(1,3020)	1:74:A:LEU:HB2	1:153:A:THR:HB	4	0.55
(1,2982)	1:16:A:VAL:HG21	1:18:A:ASN:HB2	13	0.55
(1,2982)	1:16:A:VAL:HG22	1:18:A:ASN:HB2	13	0.55
(1,2982)	1:16:A:VAL:HG23	1:18:A:ASN:HB2	13	0.55
(1,2860)	1:105:A:ASP:HB3	1:119:A:SER:HB3	17	0.55
(1,2846)	1:54:A:PHE:HA	1:55:A:ASN:HB3	6	0.55
(1,2729)	1:14:A:GLY:HA2	1:15:A:GLU:HB3	12	0.55
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG11	2	0.55
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG12	2	0.55
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG13	2	0.55
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	4	0.55
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	4	0.55
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	4	0.55
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	17	0.55
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	17	0.55
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	17	0.55
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	17	0.55
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	17	0.55
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	17	0.55
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	17	0.55
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	17	0.55
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	17	0.55
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	1	0.55
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	1	0.55
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	1	0.55
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	16	0.55
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	16	0.55
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	16	0.55
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	2	0.55
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	2	0.55
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	2	0.55
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	2	0.55
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	2	0.55
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	2	0.55
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	2	0.55
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	2	0.55
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	6	0.55
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	6	0.55
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	6	0.55
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	7	0.55
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	7	0.55
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	7	0.55
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	15	0.55
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	15	0.55
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	15	0.55
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	6	0.55
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	6	0.55
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	6	0.55
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	6	0.55
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	6	0.55
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	6	0.55
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	17	0.55
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	17	0.55
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	17	0.55
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG21	7	0.55
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG22	7	0.55
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG23	7	0.55
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	2	0.55
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	2	0.55
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	2	0.55
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	5	0.55
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	5	0.55
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	5	0.55
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG21	11	0.55
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG22	11	0.55
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG23	11	0.55
(1,1583)	1:111:A:LEU:HD21	1:119:A:SER:H	19	0.55
(1,1583)	1:111:A:LEU:HD22	1:119:A:SER:H	19	0.55
(1,1583)	1:111:A:LEU:HD23	1:119:A:SER:H	19	0.55
(1,1583)	1:111:A:LEU:HD21	1:119:A:SER:H	20	0.55
(1,1583)	1:111:A:LEU:HD22	1:119:A:SER:H	20	0.55
(1,1583)	1:111:A:LEU:HD23	1:119:A:SER:H	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	7	0.55
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	7	0.55
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	7	0.55
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	7	0.55
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	7	0.55
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	7	0.55
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	7	0.55
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	7	0.55
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	7	0.55
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	17	0.55
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	17	0.55
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	17	0.55
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	17	0.55
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	17	0.55
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	17	0.55
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	17	0.55
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	17	0.55
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	17	0.55
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	20	0.55
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	20	0.55
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	20	0.55
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	2	0.55
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	2	0.55
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	2	0.55
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	7	0.55
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	7	0.55
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	7	0.55
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	8	0.55
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	8	0.55
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	8	0.55
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	13	0.55
(1,841)	1:84:A:ASN:H	1:84:A:ASN:HD22	11	0.55
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	5	0.55
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	5	0.55
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	5	0.55
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	12	0.55
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	1	0.55
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	1	0.55
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	1	0.55
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	2	0.55
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	2	0.55
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	4	0.55
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	4	0.55
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	4	0.55
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	10	0.54
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	10	0.54
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	10	0.54
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	10	0.54
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	10	0.54
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	10	0.54
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	9	0.54
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	9	0.54
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	12	0.54
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	10	0.54
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	10	0.54
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	10	0.54
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	15	0.54
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	10	0.54
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	13	0.54
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	13	0.54
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	13	0.54
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	14	0.54
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	14	0.54
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	14	0.54
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	14	0.54
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	14	0.54
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	14	0.54
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	14	0.54
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	14	0.54
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	14	0.54
(1,3469)	1:84:A:ASN:HB2	1:112:A:THR:HA	1	0.54
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	14	0.54
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	14	0.54
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	14	0.54
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	4	0.54
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	8	0.54
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	8	0.54
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	8	0.54
(1,2982)	1:16:A:VAL:HG21	1:18:A:ASN:HB2	5	0.54
(1,2982)	1:16:A:VAL:HG22	1:18:A:ASN:HB2	5	0.54
(1,2982)	1:16:A:VAL:HG23	1:18:A:ASN:HB2	5	0.54
(1,2982)	1:16:A:VAL:HG21	1:18:A:ASN:HB2	14	0.54
(1,2982)	1:16:A:VAL:HG22	1:18:A:ASN:HB2	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2982)	1:16:A:VAL:HG23	1:18:A:ASN:HB2	14	0.54
(1,2941)	1:12:A:PHE:HB2	1:13:A:LYS:HA	6	0.54
(1,2899)	1:68:A:LYS:HE2	1:121:A:GLU:HG2	9	0.54
(1,2899)	1:68:A:LYS:HE3	1:121:A:GLU:HG2	9	0.54
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	12	0.54
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	12	0.54
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	12	0.54
(1,2780)	1:33:A:GLN:HB2	1:35:A:GLY:HA2	11	0.54
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	11	0.54
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	11	0.54
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	11	0.54
(1,2729)	1:14:A:GLY:HA2	1:15:A:GLU:HB3	9	0.54
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB1	10	0.54
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB2	10	0.54
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB3	10	0.54
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	7	0.54
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	16	0.54
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	7	0.54
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	7	0.54
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	7	0.54
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	8	0.54
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	8	0.54
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	8	0.54
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	17	0.54
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	17	0.54
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	17	0.54
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	17	0.54
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	17	0.54
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	17	0.54
(1,2211)	1:51:A:ALA:HB1	1:136:A:ARG:HD2	8	0.54
(1,2211)	1:51:A:ALA:HB2	1:136:A:ARG:HD2	8	0.54
(1,2211)	1:51:A:ALA:HB3	1:136:A:ARG:HD2	8	0.54
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	20	0.54
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	20	0.54
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	20	0.54
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG21	17	0.54
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG22	17	0.54
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG23	17	0.54
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	10	0.54
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	10	0.54
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	10	0.54
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD21	10	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD22	10	0.54
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD23	10	0.54
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	11	0.54
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	11	0.54
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	11	0.54
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG11	20	0.54
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG12	20	0.54
(1,1922)	1:84:A:ASN:HB3	1:85:A:VAL:HG13	20	0.54
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG21	1	0.54
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG22	1	0.54
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG23	1	0.54
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	10	0.54
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	10	0.54
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	10	0.54
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	10	0.54
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	10	0.54
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	10	0.54
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	10	0.54
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	10	0.54
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	10	0.54
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG21	15	0.54
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG22	15	0.54
(1,1794)	1:25:A:ALA:HA	1:28:A:VAL:HG23	15	0.54
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	11	0.54
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	11	0.54
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	11	0.54
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	11	0.54
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	11	0.54
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	11	0.54
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	5	0.54
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	5	0.54
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	5	0.54
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD21	16	0.54
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD22	16	0.54
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD23	16	0.54
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	13	0.54
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	13	0.54
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	13	0.54
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	8	0.54
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	8	0.54
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	8	0.54
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	8	0.54
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	8	0.54
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	8	0.54
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	8	0.54
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	8	0.54
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	3	0.54
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	3	0.54
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	3	0.54
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	6	0.54
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	6	0.54
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	6	0.54
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	17	0.54
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	17	0.54
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	17	0.54
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	12	0.54
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	12	0.54
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	12	0.54
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	19	0.54
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	19	0.54
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	19	0.54
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	1	0.53
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	1	0.53
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	1	0.53
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	1	0.53
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	1	0.53
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	1	0.53
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	19	0.53
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	7	0.53
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	7	0.53
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	7	0.53
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	7	0.53
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	7	0.53
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	7	0.53
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	14	0.53
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	16	0.53
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	13	0.53
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	14	0.53
(1,3612)	1:42:A:LEU:HD21	1:181:A:VAL:HA	19	0.53
(1,3612)	1:42:A:LEU:HD22	1:181:A:VAL:HA	19	0.53
(1,3612)	1:42:A:LEU:HD23	1:181:A:VAL:HA	19	0.53
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	16	0.53
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	16	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	16	0.53
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	16	0.53
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	16	0.53
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	16	0.53
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG11	13	0.53
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG12	13	0.53
(1,3598)	1:42:A:LEU:HD21	1:181:A:VAL:HG13	13	0.53
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG11	13	0.53
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG12	13	0.53
(1,3598)	1:42:A:LEU:HD22	1:181:A:VAL:HG13	13	0.53
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG11	13	0.53
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG12	13	0.53
(1,3598)	1:42:A:LEU:HD23	1:181:A:VAL:HG13	13	0.53
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	10	0.53
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	10	0.53
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	10	0.53
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD2	9	0.53
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD3	9	0.53
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG2	6	0.53
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG3	6	0.53
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	6	0.53
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	1	0.53
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	1	0.53
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	1	0.53
(1,3081)	1:155:A:LYS:HB2	1:169:A:THR:HB	18	0.53
(1,3043)	1:155:A:LYS:HB2	1:171:A:ASN:HD22	4	0.53
(1,3042)	1:155:A:LYS:HB2	1:172:A:GLY:H	7	0.53
(1,2941)	1:12:A:PHE:HB2	1:13:A:LYS:HA	8	0.53
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	6	0.53
(1,2718)	1:52:A:VAL:HG11	1:53:A:GLY:HA3	20	0.53
(1,2718)	1:52:A:VAL:HG12	1:53:A:GLY:HA3	20	0.53
(1,2718)	1:52:A:VAL:HG13	1:53:A:GLY:HA3	20	0.53
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB1	4	0.53
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB2	4	0.53
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB3	4	0.53
(1,2576)	1:59:A:ASN:HA	1:129:A:ASN:HD21	18	0.53
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	1	0.53
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	9	0.53
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	9	0.53
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	9	0.53
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	3	0.53
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	9	0.53
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	9	0.53
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	2	0.53
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	2	0.53
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	2	0.53
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	18	0.53
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	18	0.53
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	18	0.53
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	18	0.53
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	18	0.53
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	18	0.53
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	18	0.53
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	18	0.53
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	18	0.53
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	6	0.53
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	6	0.53
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	6	0.53
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	2	0.53
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	2	0.53
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	2	0.53
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	2	0.53
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	2	0.53
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	2	0.53
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	6	0.53
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	6	0.53
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	6	0.53
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	2	0.53
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	2	0.53
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	2	0.53
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	12	0.53
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	12	0.53
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	12	0.53
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	12	0.53
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	12	0.53
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	12	0.53
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	13	0.53
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	13	0.53
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	13	0.53
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	13	0.53
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	13	0.53
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	13	0.53
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	15	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	15	0.53
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	15	0.53
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	19	0.53
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	19	0.53
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	19	0.53
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	14	0.53
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	14	0.53
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	14	0.53
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD11	18	0.53
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD12	18	0.53
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD13	18	0.53
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD21	18	0.53
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD22	18	0.53
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD23	18	0.53
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	15	0.53
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	15	0.53
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	15	0.53
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	13	0.53
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	13	0.53
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	13	0.53
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	13	0.53
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	13	0.53
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	13	0.53
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	13	0.53
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	13	0.53
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	13	0.53
(1,1080)	1:107:A:THR:H	1:108:A:GLY:HA3	3	0.53
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	20	0.53
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	5	0.53
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	14	0.53
(1,607)	1:124:A:LEU:HD11	1:159:A:GLN:H	13	0.53
(1,607)	1:124:A:LEU:HD12	1:159:A:GLN:H	13	0.53
(1,607)	1:124:A:LEU:HD13	1:159:A:GLN:H	13	0.53
(1,495)	1:13:A:LYS:HB2	1:15:A:GLU:H	13	0.53
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG21	8	0.53
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG22	8	0.53
(1,409)	1:70:A:ALA:H	1:71:A:VAL:HG23	8	0.53
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	19	0.53
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	19	0.53
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	19	0.53
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	14	0.52
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	14	0.52
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	14	0.52
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	14	0.52
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	14	0.52
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	14	0.52
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	14	0.52
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG11	12	0.52
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG12	12	0.52
(1,3763)	1:37:A:VAL:HA	1:182:A:VAL:HG13	12	0.52
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	5	0.52
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	17	0.52
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD2	8	0.52
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD3	8	0.52
(1,3497)	1:106:A:ARG:HB2	1:132:A:PRO:HD2	9	0.52
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	6	0.52
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	6	0.52
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	6	0.52
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	20	0.52
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	20	0.52
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	20	0.52
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	5	0.52
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	10	0.52
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	10	0.52
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	16	0.52
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	16	0.52
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	16	0.52
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	5	0.52
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	5	0.52
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	5	0.52
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	20	0.52
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	20	0.52
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	20	0.52
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	10	0.52
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	4	0.52
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	4	0.52
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	4	0.52
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	7	0.52
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	3	0.52
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	11	0.52
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	1	0.52
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	10	0.52
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	10	0.52
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	10	0.52
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	10	0.52
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	10	0.52
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	10	0.52
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	10	0.52
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	10	0.52
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	10	0.52
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	6	0.52
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	6	0.52
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	6	0.52
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	3	0.52
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	3	0.52
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	3	0.52
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	3	0.52
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	3	0.52
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	3	0.52
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	17	0.52
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	17	0.52
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	17	0.52
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	17	0.52
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	17	0.52
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	17	0.52
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	19	0.52
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	19	0.52
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	19	0.52
(1,1697)	1:71:A:VAL:HG11	1:72:A:ALA:HA	8	0.52
(1,1697)	1:71:A:VAL:HG12	1:72:A:ALA:HA	8	0.52
(1,1697)	1:71:A:VAL:HG13	1:72:A:ALA:HA	8	0.52
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	12	0.52
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	12	0.52
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	12	0.52
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	13	0.52
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	13	0.52
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	13	0.52
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	14	0.52
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	14	0.52
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	14	0.52
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	2	0.52
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	2	0.52
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	2	0.52
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	16	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	16	0.52
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	16	0.52
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	18	0.52
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	18	0.52
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	18	0.52
(1,966)	1:16:A:VAL:HG21	1:18:A:ASN:HD21	14	0.52
(1,966)	1:16:A:VAL:HG22	1:18:A:ASN:HD21	14	0.52
(1,966)	1:16:A:VAL:HG23	1:18:A:ASN:HD21	14	0.52
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	7	0.52
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	7	0.52
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	7	0.52
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	7	0.52
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	16	0.52
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	3	0.52
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	3	0.52
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	3	0.52
(1,240)	1:175:A:VAL:HG21	1:177:A:PHE:H	1	0.52
(1,240)	1:175:A:VAL:HG22	1:177:A:PHE:H	1	0.52
(1,240)	1:175:A:VAL:HG23	1:177:A:PHE:H	1	0.52
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	2	0.51
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	2	0.51
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	2	0.51
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	2	0.51
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	2	0.51
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	2	0.51
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE1	15	0.51
(1,3985)	1:34:A:LEU:HD21	1:137:A:TYR:HE2	15	0.51
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE1	15	0.51
(1,3985)	1:34:A:LEU:HD22	1:137:A:TYR:HE2	15	0.51
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE1	15	0.51
(1,3985)	1:34:A:LEU:HD23	1:137:A:TYR:HE2	15	0.51
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	9	0.51
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	9	0.51
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	9	0.51
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	10	0.51
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	10	0.51
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	10	0.51
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	10	0.51
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	10	0.51
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	10	0.51
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	7	0.51
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	17	0.51
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	17	0.51
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	17	0.51
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	17	0.51
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	17	0.51
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	17	0.51
(1,3445)	1:90:A:SER:H	1:90:A:SER:HB2	2	0.51
(1,3283)	1:70:A:ALA:H	1:159:A:GLN:HG3	5	0.51
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	9	0.51
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	9	0.51
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	9	0.51
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	19	0.51
(1,2718)	1:52:A:VAL:HG11	1:53:A:GLY:HA3	5	0.51
(1,2718)	1:52:A:VAL:HG12	1:53:A:GLY:HA3	5	0.51
(1,2718)	1:52:A:VAL:HG13	1:53:A:GLY:HA3	5	0.51
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	1	0.51
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	17	0.51
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	17	0.51
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	17	0.51
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	20	0.51
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	20	0.51
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	20	0.51
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	2	0.51
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	2	0.51
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	2	0.51
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	10	0.51
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	10	0.51
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	10	0.51
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG21	18	0.51
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG22	18	0.51
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG23	18	0.51
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	10	0.51
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	20	0.51
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	20	0.51
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	20	0.51
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	8	0.51
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	8	0.51
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	8	0.51
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	6	0.51
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	6	0.51
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	6	0.51
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	9	0.51
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	9	0.51
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	2	0.51
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	2	0.51
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	2	0.51
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	6	0.51
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	6	0.51
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	6	0.51
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	12	0.51
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	12	0.51
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	12	0.51
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	16	0.51
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	16	0.51
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	16	0.51
(1,1649)	1:101:A:VAL:HG11	1:149:A:ASN:HA	6	0.51
(1,1649)	1:101:A:VAL:HG12	1:149:A:ASN:HA	6	0.51
(1,1649)	1:101:A:VAL:HG13	1:149:A:ASN:HA	6	0.51
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	10	0.51
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	10	0.51
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	10	0.51
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	11	0.51
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	11	0.51
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	11	0.51
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	11	0.51
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	11	0.51
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	11	0.51
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	11	0.51
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	11	0.51
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	11	0.51
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	13	0.51
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	13	0.51
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	13	0.51
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	13	0.51
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	13	0.51
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	13	0.51
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	13	0.51
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	13	0.51
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	13	0.51
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	17	0.51
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	17	0.51
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	17	0.51
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	20	0.51
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	20	0.51
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	20	0.51
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	10	0.51
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	15	0.51
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	11	0.51
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	7	0.51
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	7	0.51
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	7	0.51
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	6	0.51
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	6	0.51
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	6	0.51
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	16	0.51
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	16	0.51
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	16	0.51
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	3	0.5
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	3	0.5
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	3	0.5
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	8	0.5
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	8	0.5
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	8	0.5
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	16	0.5
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	16	0.5
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	16	0.5
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	1	0.5
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	1	0.5
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	5	0.5
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	5	0.5
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	7	0.5
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	8	0.5
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	6	0.5
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	6	0.5
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	6	0.5
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	6	0.5
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	6	0.5
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	6	0.5
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	6	0.5
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	6	0.5
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	6	0.5
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	13	0.5
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	13	0.5
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	13	0.5
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	13	0.5
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	13	0.5
(1,3398)	1:28:A:VAL:HA	1:173:A:GLY:HA2	3	0.5
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	9	0.5
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	9	0.5
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	9	0.5
(1,3056)	1:69:A:ALA:H	1:121:A:GLU:HG2	17	0.5
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG11	8	0.5
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG12	8	0.5
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG13	8	0.5
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG11	8	0.5
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG12	8	0.5
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG13	8	0.5
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	3	0.5
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	9	0.5
(1,2572)	1:125:A:ASN:HA	1:129:A:ASN:HD22	4	0.5
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG21	19	0.5
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG22	19	0.5
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG23	19	0.5
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	6	0.5
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	6	0.5
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	6	0.5
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	16	0.5
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	16	0.5
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	16	0.5
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	10	0.5
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	10	0.5
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	10	0.5
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	14	0.5
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG21	19	0.5
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG22	19	0.5
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG23	19	0.5
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	1	0.5
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	1	0.5
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	1	0.5
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	2	0.5
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	2	0.5
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	2	0.5
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	2	0.5
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	2	0.5
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG21	4	0.5
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG22	4	0.5
(1,1716)	1:57:A:GLN:HE22	1:128:A:THR:HG23	4	0.5
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	2	0.5
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	2	0.5
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	2	0.5
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	17	0.5
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	17	0.5
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	17	0.5
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	8	0.5
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	8	0.5
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	8	0.5
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	11	0.5
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	11	0.5
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	11	0.5
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	19	0.5
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	19	0.5
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	19	0.5
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	7	0.5
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	7	0.5
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	7	0.5
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	10	0.5
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	10	0.5
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	10	0.5
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	8	0.5
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	8	0.5
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	8	0.5
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD11	1	0.5
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD12	1	0.5
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD13	1	0.5
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD21	12	0.5
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD22	12	0.5
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD23	12	0.5
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	2	0.5
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	2	0.5
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	2	0.5
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	2	0.5
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	2	0.5
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	2	0.5
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	2	0.5
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	2	0.5
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	3	0.5
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	3	0.5
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	3	0.5
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	3	0.5
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	3	0.5
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	3	0.5
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	3	0.5
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	3	0.5
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	3	0.5
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD11	18	0.5
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD12	18	0.5
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD13	18	0.5
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD11	18	0.5
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD12	18	0.5
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD13	18	0.5
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD11	18	0.5
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD12	18	0.5
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD13	18	0.5
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG21	6	0.5
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG22	6	0.5
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG23	6	0.5
(1,1071)	1:86:A:LEU:HD21	1:153:A:THR:H	7	0.5
(1,1071)	1:86:A:LEU:HD22	1:153:A:THR:H	7	0.5
(1,1071)	1:86:A:LEU:HD23	1:153:A:THR:H	7	0.5
(1,957)	1:155:A:LYS:HE2	1:171:A:ASN:HD21	6	0.5
(1,841)	1:84:A:ASN:H	1:84:A:ASN:HD22	4	0.5
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	20	0.5
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	13	0.5
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	14	0.5
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	14	0.5
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	14	0.5
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	17	0.5
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	17	0.5
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	17	0.5
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	19	0.5
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	19	0.5
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	19	0.5
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	9	0.5
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	9	0.5
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	9	0.5
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	16	0.5
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	16	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	16	0.5
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	9	0.49
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	14	0.49
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	10	0.49
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	10	0.49
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	4	0.49
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	4	0.49
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	9	0.49
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	10	0.49
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	10	0.49
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	10	0.49
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	4	0.49
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	11	0.49
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD21	18	0.49
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD22	18	0.49
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD23	18	0.49
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB1	2	0.49
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB2	2	0.49
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB3	2	0.49
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG21	12	0.49
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG22	12	0.49
(1,3296)	1:145:A:PRO:HB3	1:181:A:VAL:HG23	12	0.49
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	6	0.49
(1,2966)	1:5:A:VAL:HA	1:6:A:ASN:HB2	14	0.49
(1,2881)	1:155:A:LYS:HE3	1:171:A:ASN:HD22	20	0.49
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	15	0.49
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	6	0.49
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	6	0.49
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	6	0.49
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	6	0.49
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	6	0.49
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	6	0.49
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	6	0.49
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	6	0.49
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	6	0.49
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	6	0.49
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	6	0.49
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	6	0.49
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	10	0.49
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	10	0.49
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	10	0.49
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	20	0.49
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	20	0.49
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	6	0.49
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	1	0.49
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	1	0.49
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	1	0.49
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	3	0.49
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	3	0.49
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	3	0.49
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	11	0.49
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	11	0.49
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	11	0.49
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	19	0.49
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	19	0.49
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	19	0.49
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	19	0.49
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	19	0.49
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	19	0.49
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	6	0.49
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	6	0.49
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	6	0.49
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	10	0.49
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	10	0.49
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	10	0.49
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	10	0.49
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	10	0.49
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	10	0.49
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	18	0.49
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	18	0.49
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	18	0.49
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	3	0.49
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	3	0.49
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	3	0.49
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	17	0.49
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	17	0.49
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	17	0.49
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	15	0.49
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	15	0.49
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	15	0.49
(1,1588)	1:111:A:LEU:HD21	1:119:A:SER:HA	16	0.49
(1,1588)	1:111:A:LEU:HD22	1:119:A:SER:HA	16	0.49
(1,1588)	1:111:A:LEU:HD23	1:119:A:SER:HA	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	14	0.49
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	14	0.49
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	14	0.49
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	14	0.49
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	14	0.49
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	14	0.49
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	14	0.49
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	14	0.49
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	14	0.49
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	17	0.49
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	17	0.49
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	17	0.49
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	17	0.49
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	17	0.49
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	17	0.49
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	17	0.49
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	17	0.49
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	17	0.49
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	15	0.49
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	15	0.49
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	15	0.49
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	14	0.49
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	13	0.49
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	13	0.49
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	13	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	1	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	1	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	1	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	1	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	1	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	1	0.49
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	1	0.49
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	1	0.49
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	1	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	4	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	4	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	4	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	4	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	4	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	4	0.49
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	4	0.49
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	4	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	6	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	6	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	6	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	6	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	6	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	6	0.49
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	6	0.49
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	6	0.49
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	6	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	17	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	17	0.49
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	17	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	17	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	17	0.49
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	17	0.49
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	17	0.49
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	17	0.49
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	17	0.49
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	10	0.49
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	10	0.49
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	10	0.49
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	10	0.49
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	10	0.49
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	10	0.49
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	10	0.49
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	10	0.49
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	10	0.49
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	10	0.49
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	10	0.49
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	10	0.49
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	16	0.49
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	16	0.49
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	16	0.49
(1,1094)	1:157:A:GLN:HB2	1:159:A:GLN:HE21	5	0.49
(1,966)	1:16:A:VAL:HG21	1:18:A:ASN:HD21	4	0.49
(1,966)	1:16:A:VAL:HG22	1:18:A:ASN:HD21	4	0.49
(1,966)	1:16:A:VAL:HG23	1:18:A:ASN:HD21	4	0.49
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	16	0.49
(1,738)	1:106:A:ARG:H	1:106:A:ARG:HG3	4	0.49
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	12	0.49
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	18	0.49
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	18	0.49
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	18	0.49
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	15	0.49
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	15	0.49
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	15	0.49
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	14	0.48
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	14	0.48
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	14	0.48
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	15	0.48
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	15	0.48
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	7	0.48
(1,2962)	1:42:A:LEU:HD11	1:48:A:THR:HB	10	0.48
(1,2962)	1:42:A:LEU:HD12	1:48:A:THR:HB	10	0.48
(1,2962)	1:42:A:LEU:HD13	1:48:A:THR:HB	10	0.48
(1,2728)	1:13:A:LYS:HB2	1:14:A:GLY:HA3	1	0.48
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	19	0.48
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	2	0.48
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	2	0.48
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	2	0.48
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	2	0.48
(1,2237)	1:43:A:ALA:HB1	1:44:A:GLN:HB2	3	0.48
(1,2237)	1:43:A:ALA:HB2	1:44:A:GLN:HB2	3	0.48
(1,2237)	1:43:A:ALA:HB3	1:44:A:GLN:HB2	3	0.48
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	11	0.48
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	11	0.48
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	11	0.48
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	13	0.48
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	13	0.48
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	13	0.48
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	18	0.48
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	18	0.48
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	18	0.48
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	18	0.48
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	18	0.48
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	18	0.48
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	15	0.48
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	15	0.48
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	15	0.48
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	17	0.48
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	17	0.48
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG21	16	0.48
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG22	16	0.48
(1,2105)	1:9:A:THR:HA	1:10:A:VAL:HG23	16	0.48
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	13	0.48
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	13	0.48
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	13	0.48
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD21	15	0.48
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD22	15	0.48
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD23	15	0.48
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	3	0.48
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	3	0.48
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	3	0.48
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	3	0.48
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	3	0.48
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	3	0.48
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	3	0.48
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	3	0.48
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	3	0.48
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	20	0.48
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	20	0.48
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	20	0.48
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	2	0.48
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	2	0.48
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	2	0.48
(1,1725)	1:59:A:ASN:HB2	1:128:A:THR:HG21	4	0.48
(1,1725)	1:59:A:ASN:HB2	1:128:A:THR:HG22	4	0.48
(1,1725)	1:59:A:ASN:HB2	1:128:A:THR:HG23	4	0.48
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	5	0.48
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	5	0.48
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	5	0.48
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	8	0.48
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	8	0.48
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	8	0.48
(1,1697)	1:71:A:VAL:HG11	1:72:A:ALA:HA	11	0.48
(1,1697)	1:71:A:VAL:HG12	1:72:A:ALA:HA	11	0.48
(1,1697)	1:71:A:VAL:HG13	1:72:A:ALA:HA	11	0.48
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	13	0.48
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	13	0.48
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	13	0.48
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	13	0.48
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	13	0.48
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	13	0.48
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	13	0.48
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	13	0.48
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	7	0.48
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	7	0.48
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	7	0.48
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	4	0.48
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	4	0.48
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	4	0.48
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	17	0.48
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	17	0.48
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	17	0.48
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	3	0.48
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	3	0.48
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	3	0.48
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	18	0.48
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	18	0.48
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	18	0.48
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	3	0.48
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	3	0.48
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	3	0.48
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	3	0.48
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	3	0.48
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	3	0.48
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	3	0.48
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	3	0.48
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	3	0.48
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	13	0.48
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	13	0.48
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	13	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	10	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	10	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	10	0.48
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	10	0.48
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	10	0.48
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	10	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	10	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	10	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	10	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	18	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	18	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	18	0.48
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	18	0.48
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	18	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	18	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	18	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	18	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	19	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	19	0.48
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	19	0.48
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	19	0.48
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	19	0.48
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	19	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	19	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	19	0.48
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	19	0.48
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	11	0.48
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	11	0.48
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	11	0.48
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	5	0.48
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	6	0.48
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	6	0.48
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	6	0.48
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	11	0.48
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	17	0.48
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	6	0.48
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	12	0.48
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	15	0.48
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	15	0.48
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	15	0.48
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	12	0.48
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	12	0.48
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	12	0.48
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	9	0.47
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	9	0.47
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	9	0.47
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	13	0.47
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	13	0.47
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	18	0.47
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	19	0.47
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	12	0.47
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	12	0.47
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	6	0.47
(1,3527)	1:176:A:HIS:HB2	1:178:A:LYS:HE2	9	0.47
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	6	0.47
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	8	0.47
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	15	0.47
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	9	0.47
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	9	0.47
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	9	0.47
(1,3042)	1:155:A:LYS:HB2	1:172:A:GLY:H	2	0.47
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	12	0.47
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	15	0.47
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	15	0.47
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	15	0.47
(1,2881)	1:155:A:LYS:HE3	1:171:A:ASN:HD22	10	0.47
(1,2860)	1:105:A:ASP:HB3	1:119:A:SER:HB3	3	0.47
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	9	0.47
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG21	10	0.47
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG22	10	0.47
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG23	10	0.47
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	11	0.47
(1,2111)	1:156:A:VAL:HG21	1:157:A:GLN:H	3	0.47
(1,2111)	1:156:A:VAL:HG22	1:157:A:GLN:H	3	0.47
(1,2111)	1:156:A:VAL:HG23	1:157:A:GLN:H	3	0.47
(1,2083)	1:155:A:LYS:HA	1:172:A:GLY:HA2	8	0.47
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	3	0.47
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	3	0.47
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	3	0.47
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	16	0.47
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	16	0.47
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	16	0.47
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	16	0.47
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	16	0.47
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	16	0.47
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG21	8	0.47
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG22	8	0.47
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG23	8	0.47
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	13	0.47
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	13	0.47
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	13	0.47
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	12	0.47
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	12	0.47
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1704)	1:23:A:VAL:HG21	1:24:A:ASP:H	5	0.47
(1,1704)	1:23:A:VAL:HG22	1:24:A:ASP:H	5	0.47
(1,1704)	1:23:A:VAL:HG23	1:24:A:ASP:H	5	0.47
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	2	0.47
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	2	0.47
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	2	0.47
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	17	0.47
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	17	0.47
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	17	0.47
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	1	0.47
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	1	0.47
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	1	0.47
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	13	0.47
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	13	0.47
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	13	0.47
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	19	0.47
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	19	0.47
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	19	0.47
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	19	0.47
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	19	0.47
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	19	0.47
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	19	0.47
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	19	0.47
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	19	0.47
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	5	0.47
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	5	0.47
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	5	0.47
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	7	0.47
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	7	0.47
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	7	0.47
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	5	0.47
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	5	0.47
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	5	0.47
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	16	0.47
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	16	0.47
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	16	0.47
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	16	0.47
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	16	0.47
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	16	0.47
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	16	0.47
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	16	0.47
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	3	0.47
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	3	0.47
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	3	0.47
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	8	0.47
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	8	0.47
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	8	0.47
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	14	0.47
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	14	0.47
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	14	0.47
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	19	0.47
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	1	0.47
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	4	0.47
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	10	0.47
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	18	0.47
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	1	0.47
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	5	0.47
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	8	0.47
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	9	0.47
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	3	0.47
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	3	0.47
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	3	0.47
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD11	10	0.47
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD12	10	0.47
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD13	10	0.47
(1,365)	1:137:A:TYR:HB2	1:138:A:PHE:H	4	0.47
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG21	9	0.47
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG22	9	0.47
(1,343)	1:78:A:ILE:H	1:85:A:VAL:HG23	9	0.47
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	2	0.47
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	4	0.46
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	4	0.46
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	4	0.46
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	4	0.46
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	4	0.46
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	4	0.46
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	1	0.46
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	1	0.46
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	1	0.46
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	10	0.46
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	10	0.46
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD1	17	0.46
(1,3833)	1:102:A:GLN:HG2	1:138:A:PHE:HD2	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	1	0.46
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	1	0.46
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	1	0.46
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	1	0.46
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	1	0.46
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	1	0.46
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	1	0.46
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	1	0.46
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	1	0.46
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	3	0.46
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	3	0.46
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	3	0.46
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	3	0.46
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	3	0.46
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	3	0.46
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	3	0.46
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	3	0.46
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	3	0.46
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	4	0.46
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	4	0.46
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	4	0.46
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	4	0.46
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	4	0.46
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	4	0.46
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	4	0.46
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	4	0.46
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	4	0.46
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	18	0.46
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD21	13	0.46
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD22	13	0.46
(1,3536)	1:122:A:THR:HA	1:124:A:LEU:HD23	13	0.46
(1,3515)	1:105:A:ASP:HA	1:120:A:SER:HB3	16	0.46
(1,3483)	1:68:A:LYS:HD3	1:121:A:GLU:HG2	17	0.46
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB1	8	0.46
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB2	8	0.46
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB3	8	0.46
(1,3328)	1:62:A:ASP:HB2	1:65:A:VAL:HB	19	0.46
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	11	0.46
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	6	0.46
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	6	0.46
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	4	0.46
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	4	0.46
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	13	0.46
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	13	0.46
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	13	0.46
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	11	0.46
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	11	0.46
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	11	0.46
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	8	0.46
(1,2729)	1:14:A:GLY:HA2	1:15:A:GLU:HB3	20	0.46
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	10	0.46
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	12	0.46
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG11	20	0.46
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG12	20	0.46
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG13	20	0.46
(1,2419)	1:129:A:ASN:HA	1:129:A:ASN:HD22	3	0.46
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	15	0.46
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	15	0.46
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	15	0.46
(1,1971)	1:124:A:LEU:HD21	1:125:A:ASN:H	10	0.46
(1,1971)	1:124:A:LEU:HD22	1:125:A:ASN:H	10	0.46
(1,1971)	1:124:A:LEU:HD23	1:125:A:ASN:H	10	0.46
(1,1720)	1:24:A:ASP:HA	1:59:A:ASN:HB2	14	0.46
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	15	0.46
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	15	0.46
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	15	0.46
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	16	0.46
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	16	0.46
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	16	0.46
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	1	0.46
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	1	0.46
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	1	0.46
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	6	0.46
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	6	0.46
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	6	0.46
(1,1676)	1:42:A:LEU:HD11	1:138:A:PHE:HA	3	0.46
(1,1676)	1:42:A:LEU:HD12	1:138:A:PHE:HA	3	0.46
(1,1676)	1:42:A:LEU:HD13	1:138:A:PHE:HA	3	0.46
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	7	0.46
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	7	0.46
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	7	0.46
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD11	13	0.46
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD12	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD13	13	0.46
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD11	13	0.46
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD12	13	0.46
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD13	13	0.46
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD11	13	0.46
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD12	13	0.46
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD13	13	0.46
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	14	0.46
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	14	0.46
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	14	0.46
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	11	0.46
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	11	0.46
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	11	0.46
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	11	0.46
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	11	0.46
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	11	0.46
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	11	0.46
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	11	0.46
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	11	0.46
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	15	0.46
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	15	0.46
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	15	0.46
(1,1071)	1:86:A:LEU:HD21	1:153:A:THR:H	13	0.46
(1,1071)	1:86:A:LEU:HD22	1:153:A:THR:H	13	0.46
(1,1071)	1:86:A:LEU:HD23	1:153:A:THR:H	13	0.46
(1,764)	1:91:A:SER:H	1:91:A:SER:HB3	7	0.46
(1,676)	1:52:A:VAL:HG11	1:54:A:PHE:H	10	0.46
(1,676)	1:52:A:VAL:HG12	1:54:A:PHE:H	10	0.46
(1,676)	1:52:A:VAL:HG13	1:54:A:PHE:H	10	0.46
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	5	0.46
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	17	0.46
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	1	0.46
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	2	0.46
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	14	0.46
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	20	0.46
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	20	0.46
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	20	0.46
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD11	18	0.46
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD12	18	0.46
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD13	18	0.46
(1,387)	1:10:A:VAL:HG11	1:12:A:PHE:H	7	0.46
(1,387)	1:10:A:VAL:HG12	1:12:A:PHE:H	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:10:A:VAL:HG13	1:12:A:PHE:H	7	0.46
(1,158)	1:84:A:ASN:HB2	1:113:A:LEU:H	12	0.46
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	6	0.46
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	6	0.46
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	6	0.46
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	9	0.46
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG21	9	0.46
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG22	9	0.46
(1,68)	1:25:A:ALA:H	1:28:A:VAL:HG23	9	0.46
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	7	0.45
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	7	0.45
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	7	0.45
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	15	0.45
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	15	0.45
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	20	0.45
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	20	0.45
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	20	0.45
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	20	0.45
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	20	0.45
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	20	0.45
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	5	0.45
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	8	0.45
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	8	0.45
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	8	0.45
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	6	0.45
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	12	0.45
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	4	0.45
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	12	0.45
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	6	0.45
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	6	0.45
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	6	0.45
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD2	3	0.45
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD3	3	0.45
(1,3398)	1:28:A:VAL:HA	1:173:A:GLY:HA2	4	0.45
(1,2801)	1:85:A:VAL:HG11	1:138:A:PHE:HB2	4	0.45
(1,2801)	1:85:A:VAL:HG12	1:138:A:PHE:HB2	4	0.45
(1,2801)	1:85:A:VAL:HG13	1:138:A:PHE:HB2	4	0.45
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	9	0.45
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	9	0.45
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	9	0.45
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	8	0.45
(1,2728)	1:13:A:LYS:HB2	1:14:A:GLY:HA3	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG11	8	0.45
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG12	8	0.45
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG13	8	0.45
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG11	8	0.45
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG12	8	0.45
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG13	8	0.45
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG11	8	0.45
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG12	8	0.45
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG13	8	0.45
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG11	15	0.45
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG12	15	0.45
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG13	15	0.45
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG11	15	0.45
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG12	15	0.45
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG13	15	0.45
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG11	15	0.45
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG12	15	0.45
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG13	15	0.45
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	1	0.45
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	1	0.45
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	1	0.45
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	2	0.45
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	5	0.45
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG11	9	0.45
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG12	9	0.45
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG13	9	0.45
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG21	11	0.45
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG22	11	0.45
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG23	11	0.45
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG21	11	0.45
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG22	11	0.45
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG23	11	0.45
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG21	11	0.45
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG22	11	0.45
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG23	11	0.45
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG11	5	0.45
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG12	5	0.45
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG13	5	0.45
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	11	0.45
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	12	0.45
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	12	0.45
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	4	0.45
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	4	0.45
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	4	0.45
(1,1971)	1:124:A:LEU:HD21	1:125:A:ASN:H	9	0.45
(1,1971)	1:124:A:LEU:HD22	1:125:A:ASN:H	9	0.45
(1,1971)	1:124:A:LEU:HD23	1:125:A:ASN:H	9	0.45
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	4	0.45
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	4	0.45
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	4	0.45
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	17	0.45
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	17	0.45
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	17	0.45
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG21	14	0.45
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG22	14	0.45
(1,1811)	1:180:A:GLU:HG2	1:182:A:VAL:HG23	14	0.45
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG21	14	0.45
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG22	14	0.45
(1,1811)	1:180:A:GLU:HG3	1:182:A:VAL:HG23	14	0.45
(1,1788)	1:71:A:VAL:HG21	1:157:A:GLN:H	2	0.45
(1,1788)	1:71:A:VAL:HG22	1:157:A:GLN:H	2	0.45
(1,1788)	1:71:A:VAL:HG23	1:157:A:GLN:H	2	0.45
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	17	0.45
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	17	0.45
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	17	0.45
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	3	0.45
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	3	0.45
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	3	0.45
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	20	0.45
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	20	0.45
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	20	0.45
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	19	0.45
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	19	0.45
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	19	0.45
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	20	0.45
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	20	0.45
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	20	0.45
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	4	0.45
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	4	0.45
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	4	0.45
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	9	0.45
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	9	0.45
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:111:A:LEU:HD21	1:120:A:SER:H	19	0.45
(1,1595)	1:111:A:LEU:HD22	1:120:A:SER:H	19	0.45
(1,1595)	1:111:A:LEU:HD23	1:120:A:SER:H	19	0.45
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	12	0.45
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	12	0.45
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	12	0.45
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	14	0.45
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	14	0.45
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	14	0.45
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	14	0.45
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	14	0.45
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	14	0.45
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	14	0.45
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	14	0.45
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	14	0.45
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	17	0.45
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	17	0.45
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	17	0.45
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	17	0.45
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	17	0.45
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	17	0.45
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	17	0.45
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	17	0.45
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	17	0.45
(1,1316)	1:27:A:SER:HA	1:30:A:GLN:HG3	9	0.45
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD11	13	0.45
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD12	13	0.45
(1,1312)	1:61:A:CYS:HB2	1:124:A:LEU:HD13	13	0.45
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	11	0.45
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	11	0.45
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	11	0.45
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	18	0.45
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	18	0.45
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	18	0.45
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	18	0.45
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	18	0.45
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	18	0.45
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	4	0.45
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	4	0.45
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	4	0.45
(1,1100)	1:104:A:LEU:HD21	1:134:A:GLN:HE21	3	0.45
(1,1100)	1:104:A:LEU:HD22	1:134:A:GLN:HE21	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:104:A:LEU:HD23	1:134:A:GLN:HE21	3	0.45
(1,1080)	1:107:A:THR:H	1:108:A:GLY:HA3	4	0.45
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	1	0.45
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	11	0.45
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	12	0.45
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	20	0.45
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	10	0.45
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	10	0.45
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	10	0.45
(1,384)	1:15:A:GLU:HG2	1:16:A:VAL:H	11	0.45
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	2	0.45
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	2	0.45
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	2	0.45
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	20	0.44
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	20	0.44
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	20	0.44
(1,3744)	1:175:A:VAL:HA	1:176:A:HIS:HB3	11	0.44
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	12	0.44
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	12	0.44
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	12	0.44
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	12	0.44
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	12	0.44
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	12	0.44
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	12	0.44
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	12	0.44
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	12	0.44
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	2	0.44
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	15	0.44
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	15	0.44
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	15	0.44
(1,3513)	1:106:A:ARG:HG3	1:120:A:SER:HB3	3	0.44
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	12	0.44
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	14	0.44
(1,3169)	1:104:A:LEU:HD21	1:134:A:GLN:HB2	15	0.44
(1,3169)	1:104:A:LEU:HD22	1:134:A:GLN:HB2	15	0.44
(1,3169)	1:104:A:LEU:HD23	1:134:A:GLN:HB2	15	0.44
(1,2941)	1:12:A:PHE:HB2	1:13:A:LYS:HA	11	0.44
(1,2924)	1:59:A:ASN:HB2	1:128:A:THR:HA	1	0.44
(1,2888)	1:74:A:LEU:HD11	1:155:A:LYS:HE2	11	0.44
(1,2888)	1:74:A:LEU:HD12	1:155:A:LYS:HE2	11	0.44
(1,2888)	1:74:A:LEU:HD13	1:155:A:LYS:HE2	11	0.44
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB1	18	0.44
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB2	18	0.44
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB3	18	0.44
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG11	2	0.44
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG12	2	0.44
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG13	2	0.44
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG11	2	0.44
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG12	2	0.44
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG13	2	0.44
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG11	2	0.44
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG12	2	0.44
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG13	2	0.44
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG11	4	0.44
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG12	4	0.44
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG13	4	0.44
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG11	4	0.44
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG12	4	0.44
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG13	4	0.44
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG11	4	0.44
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG12	4	0.44
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG13	4	0.44
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	14	0.44
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	20	0.44
(1,2419)	1:129:A:ASN:HA	1:129:A:ASN:HD22	10	0.44
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	5	0.44
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	5	0.44
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	5	0.44
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	5	0.44
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	5	0.44
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	5	0.44
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	5	0.44
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	5	0.44
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	5	0.44
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	10	0.44
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	10	0.44
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	10	0.44
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	10	0.44
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	10	0.44
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	10	0.44
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	10	0.44
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	10	0.44
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	5	0.44
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	5	0.44
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	5	0.44
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	5	0.44
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	5	0.44
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	5	0.44
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	5	0.44
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	5	0.44
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	5	0.44
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	4	0.44
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	4	0.44
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	4	0.44
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	3	0.44
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	3	0.44
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	3	0.44
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG11	6	0.44
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG12	6	0.44
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG13	6	0.44
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG21	6	0.44
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG22	6	0.44
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG23	6	0.44
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	1	0.44
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	1	0.44
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	1	0.44
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	9	0.44
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	9	0.44
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	9	0.44
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	9	0.44
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	9	0.44
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	9	0.44
(1,1939)	1:124:A:LEU:HD21	1:129:A:ASN:HB3	9	0.44
(1,1939)	1:124:A:LEU:HD22	1:129:A:ASN:HB3	9	0.44
(1,1939)	1:124:A:LEU:HD23	1:129:A:ASN:HB3	9	0.44
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	12	0.44
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	12	0.44
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	12	0.44
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	18	0.44
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	18	0.44
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	18	0.44
(1,1788)	1:71:A:VAL:HG21	1:157:A:GLN:H	15	0.44
(1,1788)	1:71:A:VAL:HG22	1:157:A:GLN:H	15	0.44
(1,1788)	1:71:A:VAL:HG23	1:157:A:GLN:H	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	18	0.44
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	18	0.44
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	18	0.44
(1,1704)	1:23:A:VAL:HG21	1:24:A:ASP:H	8	0.44
(1,1704)	1:23:A:VAL:HG22	1:24:A:ASP:H	8	0.44
(1,1704)	1:23:A:VAL:HG23	1:24:A:ASP:H	8	0.44
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	7	0.44
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	7	0.44
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	7	0.44
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	10	0.44
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	10	0.44
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	10	0.44
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	10	0.44
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	10	0.44
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	10	0.44
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	10	0.44
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	10	0.44
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	10	0.44
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	11	0.44
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	11	0.44
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	11	0.44
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	17	0.44
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	17	0.44
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	17	0.44
(1,1595)	1:111:A:LEU:HD21	1:120:A:SER:H	20	0.44
(1,1595)	1:111:A:LEU:HD22	1:120:A:SER:H	20	0.44
(1,1595)	1:111:A:LEU:HD23	1:120:A:SER:H	20	0.44
(1,1583)	1:111:A:LEU:HD21	1:119:A:SER:H	16	0.44
(1,1583)	1:111:A:LEU:HD22	1:119:A:SER:H	16	0.44
(1,1583)	1:111:A:LEU:HD23	1:119:A:SER:H	16	0.44
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	20	0.44
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	20	0.44
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	20	0.44
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	20	0.44
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	20	0.44
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	20	0.44
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	20	0.44
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	20	0.44
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	20	0.44
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	3	0.44
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	3	0.44
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	3	0.44
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	3	0.44
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	3	0.44
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	3	0.44
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	3	0.44
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	3	0.44
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	16	0.44
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	16	0.44
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	16	0.44
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	16	0.44
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	16	0.44
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	16	0.44
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	16	0.44
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	16	0.44
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	16	0.44
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG11	16	0.44
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG12	16	0.44
(1,1481)	1:34:A:LEU:HD11	1:52:A:VAL:HG13	16	0.44
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG11	16	0.44
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG12	16	0.44
(1,1481)	1:34:A:LEU:HD12	1:52:A:VAL:HG13	16	0.44
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG11	16	0.44
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG12	16	0.44
(1,1481)	1:34:A:LEU:HD13	1:52:A:VAL:HG13	16	0.44
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	1	0.44
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	2	0.44
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	2	0.44
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	2	0.44
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	11	0.44
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	11	0.44
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	11	0.44
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	11	0.44
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	11	0.44
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	11	0.44
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	16	0.44
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	16	0.44
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	16	0.44
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	3	0.44
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	3	0.44
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	3	0.44
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	8	0.44
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	8	0.44
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	7	0.44
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	9	0.44
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	9	0.44
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	9	0.44
(1,331)	1:150:A:ALA:H	1:178:A:LYS:HE3	7	0.44
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	1	0.44
(1,56)	1:55:A:ASN:HB2	1:131:A:ILE:H	13	0.44
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	14	0.44
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	16	0.44
(1,3957)	1:73:A:PHE:HZ	1:175:A:VAL:HG11	12	0.43
(1,3957)	1:73:A:PHE:HZ	1:175:A:VAL:HG12	12	0.43
(1,3957)	1:73:A:PHE:HZ	1:175:A:VAL:HG13	12	0.43
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	5	0.43
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	5	0.43
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	5	0.43
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	15	0.43
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	15	0.43
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	15	0.43
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	17	0.43
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	17	0.43
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	17	0.43
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE1	18	0.43
(1,3906)	1:111:A:LEU:HD11	1:133:A:PHE:HE2	18	0.43
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE1	18	0.43
(1,3906)	1:111:A:LEU:HD12	1:133:A:PHE:HE2	18	0.43
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE1	18	0.43
(1,3906)	1:111:A:LEU:HD13	1:133:A:PHE:HE2	18	0.43
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	1	0.43
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	1	0.43
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	1	0.43
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	1	0.43
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	1	0.43
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	1	0.43
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD11	18	0.43
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD12	18	0.43
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD13	18	0.43
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD11	18	0.43
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD12	18	0.43
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD13	18	0.43
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD11	18	0.43
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD12	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD13	18	0.43
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	13	0.43
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	13	0.43
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	13	0.43
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	13	0.43
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	13	0.43
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	13	0.43
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	13	0.43
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	13	0.43
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	13	0.43
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	17	0.43
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	17	0.43
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	17	0.43
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	17	0.43
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	17	0.43
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	17	0.43
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	17	0.43
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	17	0.43
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	17	0.43
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	18	0.43
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	18	0.43
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	18	0.43
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	12	0.43
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	12	0.43
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	12	0.43
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	17	0.43
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	17	0.43
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	17	0.43
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	20	0.43
(1,3283)	1:70:A:ALA:H	1:159:A:GLN:HG3	8	0.43
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	2	0.43
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	2	0.43
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	2	0.43
(1,2811)	1:102:A:GLN:HA	1:138:A:PHE:HB2	4	0.43
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG11	9	0.43
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG12	9	0.43
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG13	9	0.43
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG11	9	0.43
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG12	9	0.43
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG13	9	0.43
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG11	9	0.43
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG12	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG13	9	0.43
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG11	10	0.43
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG12	10	0.43
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG13	10	0.43
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG11	10	0.43
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG12	10	0.43
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG13	10	0.43
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG11	10	0.43
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG12	10	0.43
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG13	10	0.43
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG21	5	0.43
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG22	5	0.43
(1,2522)	1:70:A:ALA:HA	1:71:A:VAL:HG23	5	0.43
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	13	0.43
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	16	0.43
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	16	0.43
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	16	0.43
(1,2314)	1:157:A:GLN:HA	1:158:A:TYR:HB3	17	0.43
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	15	0.43
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	15	0.43
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	15	0.43
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	2	0.43
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	16	0.43
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	14	0.43
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	14	0.43
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	14	0.43
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	14	0.43
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	14	0.43
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	14	0.43
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	14	0.43
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	14	0.43
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	14	0.43
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG21	4	0.43
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG22	4	0.43
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG23	4	0.43
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	14	0.43
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	14	0.43
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	14	0.43
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	18	0.43
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	18	0.43
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	18	0.43
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	18	0.43
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	18	0.43
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	2	0.43
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	2	0.43
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	2	0.43
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	2	0.43
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	2	0.43
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	2	0.43
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	2	0.43
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	2	0.43
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	2	0.43
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	5	0.43
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	5	0.43
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	5	0.43
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	5	0.43
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	5	0.43
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	5	0.43
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	5	0.43
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	5	0.43
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	5	0.43
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	5	0.43
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	5	0.43
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	5	0.43
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	13	0.43
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	13	0.43
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	13	0.43
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	7	0.43
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	7	0.43
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	7	0.43
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	9	0.43
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	9	0.43
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	9	0.43
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	14	0.43
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	14	0.43
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	14	0.43
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	15	0.43
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	15	0.43
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	15	0.43
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	18	0.43
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	18	0.43
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	18	0.43
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	19	0.43
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	19	0.43
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	19	0.43
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	19	0.43
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	19	0.43
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	19	0.43
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	19	0.43
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	19	0.43
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	7	0.43
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	7	0.43
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	7	0.43
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	7	0.43
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	7	0.43
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	7	0.43
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	7	0.43
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	7	0.43
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	7	0.43
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	8	0.43
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	8	0.43
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	8	0.43
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	11	0.43
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	7	0.43
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	7	0.43
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	7	0.43
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	7	0.43
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	7	0.43
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	7	0.43
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	7	0.43
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	7	0.43
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	7	0.43
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	5	0.43
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	5	0.43
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	5	0.43
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	5	0.43
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	5	0.43
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	5	0.43
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	5	0.43
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	5	0.43
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	5	0.43
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD11	18	0.43
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD12	18	0.43
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD13	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:23:A:VAL:HG21	1:27:A:SER:HA	3	0.43
(1,1304)	1:23:A:VAL:HG22	1:27:A:SER:HA	3	0.43
(1,1304)	1:23:A:VAL:HG23	1:27:A:SER:HA	3	0.43
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	7	0.43
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	7	0.43
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	7	0.43
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	7	0.43
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	7	0.43
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	7	0.43
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	17	0.43
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	17	0.43
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	17	0.43
(1,985)	1:61:A:CYS:HB3	1:127:A:GLY:H	7	0.43
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	3	0.43
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	13	0.43
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	2	0.43
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	2	0.43
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	2	0.43
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	8	0.43
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	11	0.43
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	3	0.43
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	20	0.43
(1,295)	1:18:A:ASN:H	1:18:A:ASN:HB2	6	0.43
(1,229)	1:165:A:GLY:HA2	1:166:A:ALA:H	11	0.43
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	3	0.43
(1,56)	1:55:A:ASN:HB2	1:131:A:ILE:H	1	0.43
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	4	0.43
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	3	0.42
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	3	0.42
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	3	0.42
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	3	0.42
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	3	0.42
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	3	0.42
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	6	0.42
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	6	0.42
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	6	0.42
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	17	0.42
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	17	0.42
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	17	0.42
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	17	0.42
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	17	0.42
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	19	0.42
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	19	0.42
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	19	0.42
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	19	0.42
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	19	0.42
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	19	0.42
(1,3776)	1:106:A:ARG:HG2	1:107:A:THR:HG21	17	0.42
(1,3776)	1:106:A:ARG:HG2	1:107:A:THR:HG22	17	0.42
(1,3776)	1:106:A:ARG:HG2	1:107:A:THR:HG23	17	0.42
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD11	10	0.42
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD12	10	0.42
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD13	10	0.42
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD11	10	0.42
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD12	10	0.42
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD13	10	0.42
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD11	10	0.42
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD12	10	0.42
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD13	10	0.42
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD11	20	0.42
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD12	20	0.42
(1,3718)	1:103:A:ILE:HG21	1:111:A:LEU:HD13	20	0.42
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD11	20	0.42
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD12	20	0.42
(1,3718)	1:103:A:ILE:HG22	1:111:A:LEU:HD13	20	0.42
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD11	20	0.42
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD12	20	0.42
(1,3718)	1:103:A:ILE:HG23	1:111:A:LEU:HD13	20	0.42
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	5	0.42
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	5	0.42
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	5	0.42
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	5	0.42
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	5	0.42
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	5	0.42
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	5	0.42
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	5	0.42
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	5	0.42
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	8	0.42
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	5	0.42
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	5	0.42
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	5	0.42
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	7	0.42
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	7	0.42
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	11	0.42
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	8	0.42
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	8	0.42
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	8	0.42
(1,3522)	1:120:A:SER:HB3	1:121:A:GLU:H	11	0.42
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	19	0.42
(1,3283)	1:70:A:ALA:H	1:159:A:GLN:HG3	12	0.42
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG21	5	0.42
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG22	5	0.42
(1,3179)	1:36:A:GLN:HG3	1:182:A:VAL:HG23	5	0.42
(1,3052)	1:70:A:ALA:HA	1:121:A:GLU:HG3	9	0.42
(1,2982)	1:16:A:VAL:HG21	1:18:A:ASN:HB2	20	0.42
(1,2982)	1:16:A:VAL:HG22	1:18:A:ASN:HB2	20	0.42
(1,2982)	1:16:A:VAL:HG23	1:18:A:ASN:HB2	20	0.42
(1,2865)	1:149:A:ASN:HD22	1:178:A:LYS:HE3	6	0.42
(1,2865)	1:149:A:ASN:HD21	1:178:A:LYS:HE3	6	0.42
(1,2850)	1:55:A:ASN:HB2	1:133:A:PHE:H	6	0.42
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	20	0.42
(1,2709)	1:73:A:PHE:HA	1:74:A:LEU:HB2	10	0.42
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG11	5	0.42
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG12	5	0.42
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG13	5	0.42
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG11	5	0.42
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG12	5	0.42
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG13	5	0.42
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG11	5	0.42
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG12	5	0.42
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG13	5	0.42
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG11	19	0.42
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG12	19	0.42
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG13	19	0.42
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG11	19	0.42
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG12	19	0.42
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG13	19	0.42
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG11	19	0.42
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG12	19	0.42
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG13	19	0.42
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	2	0.42
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG11	19	0.42
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG12	19	0.42
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG13	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	8	0.42
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	9	0.42
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB1	3	0.42
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB2	3	0.42
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB3	3	0.42
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	13	0.42
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	13	0.42
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	13	0.42
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	13	0.42
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	13	0.42
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	13	0.42
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	13	0.42
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	13	0.42
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	13	0.42
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB1	3	0.42
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB2	3	0.42
(1,2236)	1:42:A:LEU:HD11	1:47:A:ALA:HB3	3	0.42
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB1	3	0.42
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB2	3	0.42
(1,2236)	1:42:A:LEU:HD12	1:47:A:ALA:HB3	3	0.42
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB1	3	0.42
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB2	3	0.42
(1,2236)	1:42:A:LEU:HD13	1:47:A:ALA:HB3	3	0.42
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	13	0.42
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	13	0.42
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	13	0.42
(1,2209)	1:51:A:ALA:HB1	1:134:A:GLN:HE22	14	0.42
(1,2209)	1:51:A:ALA:HB2	1:134:A:GLN:HE22	14	0.42
(1,2209)	1:51:A:ALA:HB3	1:134:A:GLN:HE22	14	0.42
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	16	0.42
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	16	0.42
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	16	0.42
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	18	0.42
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	18	0.42
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	18	0.42
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	15	0.42
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	15	0.42
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	15	0.42
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	15	0.42
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	15	0.42
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	15	0.42
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	15	0.42
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	15	0.42
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG21	14	0.42
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG22	14	0.42
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG23	14	0.42
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	7	0.42
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	7	0.42
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	7	0.42
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG21	7	0.42
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG22	7	0.42
(1,1772)	1:32:A:VAL:HB	1:175:A:VAL:HG23	7	0.42
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	2	0.42
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	2	0.42
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	2	0.42
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	3	0.42
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	3	0.42
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	3	0.42
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	6	0.42
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	6	0.42
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	6	0.42
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	15	0.42
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	15	0.42
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	15	0.42
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	17	0.42
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	17	0.42
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	17	0.42
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	7	0.42
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	7	0.42
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	7	0.42
(1,1697)	1:71:A:VAL:HG11	1:72:A:ALA:HA	2	0.42
(1,1697)	1:71:A:VAL:HG12	1:72:A:ALA:HA	2	0.42
(1,1697)	1:71:A:VAL:HG13	1:72:A:ALA:HA	2	0.42
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG21	19	0.42
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG22	19	0.42
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG23	19	0.42
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD21	10	0.42
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD22	10	0.42
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD23	10	0.42
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD21	19	0.42
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD22	19	0.42
(1,1589)	1:111:A:LEU:HA	1:111:A:LEU:HD23	19	0.42
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	2	0.42
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	2	0.42
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	2	0.42
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	2	0.42
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	2	0.42
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG21	6	0.42
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG22	6	0.42
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG23	6	0.42
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG21	6	0.42
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG22	6	0.42
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG23	6	0.42
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG21	6	0.42
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG22	6	0.42
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG23	6	0.42
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	10	0.42
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	10	0.42
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	10	0.42
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	10	0.42
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	10	0.42
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	10	0.42
(1,985)	1:61:A:CYS:HB3	1:127:A:GLY:H	9	0.42
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	15	0.42
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	1	0.42
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	1	0.42
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	1	0.42
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	19	0.42
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	13	0.42
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	17	0.42
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	19	0.42
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	13	0.42
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	13	0.42
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	13	0.42
(1,295)	1:18:A:ASN:H	1:18:A:ASN:HB2	16	0.42
(1,229)	1:165:A:GLY:HA2	1:166:A:ALA:H	8	0.42
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	10	0.42
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	13	0.41
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	13	0.41
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	13	0.41
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	18	0.41
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	18	0.41
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	18	0.41
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	18	0.41
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	18	0.41
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	15	0.41
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	15	0.41
(1,3778)	1:106:A:ARG:HG2	1:107:A:THR:HB	6	0.41
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	18	0.41
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	18	0.41
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	18	0.41
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	9	0.41
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	2	0.41
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	2	0.41
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	2	0.41
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	2	0.41
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	2	0.41
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	2	0.41
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	9	0.41
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	9	0.41
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	9	0.41
(1,3518)	1:120:A:SER:HB2	1:133:A:PHE:HE1	9	0.41
(1,3518)	1:120:A:SER:HB2	1:133:A:PHE:HE2	9	0.41
(1,3390)	1:91:A:SER:HB3	1:94:A:GLY:H	7	0.41
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	10	0.41
(1,3242)	1:30:A:GLN:HG3	1:175:A:VAL:HB	7	0.41
(1,3042)	1:155:A:LYS:HB2	1:172:A:GLY:H	16	0.41
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	2	0.41
(1,2942)	1:49:A:SER:HA	1:137:A:TYR:HB3	9	0.41
(1,2804)	1:102:A:GLN:HG2	1:138:A:PHE:HB3	14	0.41
(1,2780)	1:33:A:GLN:HB2	1:35:A:GLY:HA2	1	0.41
(1,2728)	1:13:A:LYS:HB2	1:14:A:GLY:HA3	13	0.41
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG11	17	0.41
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG12	17	0.41
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG13	17	0.41
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG11	17	0.41
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG12	17	0.41
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG13	17	0.41
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG11	17	0.41
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG12	17	0.41
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG13	17	0.41
(1,2682)	1:162:A:GLY:HA2	1:164:A:GLY:H	16	0.41
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	18	0.41
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG11	13	0.41
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG12	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG13	13	0.41
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	2	0.41
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	2	0.41
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	2	0.41
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	4	0.41
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	4	0.41
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	4	0.41
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	4	0.41
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	4	0.41
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	4	0.41
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	4	0.41
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	4	0.41
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	4	0.41
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	2	0.41
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	2	0.41
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	2	0.41
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	9	0.41
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	9	0.41
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	9	0.41
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG11	4	0.41
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG12	4	0.41
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG13	4	0.41
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG21	4	0.41
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG22	4	0.41
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG23	4	0.41
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	8	0.41
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	8	0.41
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	8	0.41
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	8	0.41
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	8	0.41
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	8	0.41
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	8	0.41
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	8	0.41
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	8	0.41
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG21	13	0.41
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG22	13	0.41
(1,2064)	1:34:A:LEU:HD11	1:52:A:VAL:HG23	13	0.41
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG21	13	0.41
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG22	13	0.41
(1,2064)	1:34:A:LEU:HD12	1:52:A:VAL:HG23	13	0.41
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG21	13	0.41
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG22	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:34:A:LEU:HD13	1:52:A:VAL:HG23	13	0.41
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	9	0.41
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	9	0.41
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	9	0.41
(1,1788)	1:71:A:VAL:HG21	1:157:A:GLN:H	8	0.41
(1,1788)	1:71:A:VAL:HG22	1:157:A:GLN:H	8	0.41
(1,1788)	1:71:A:VAL:HG23	1:157:A:GLN:H	8	0.41
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	2	0.41
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	2	0.41
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	2	0.41
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	2	0.41
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	2	0.41
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	2	0.41
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	2	0.41
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	2	0.41
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	2	0.41
(1,1769)	1:30:A:GLN:HG3	1:175:A:VAL:HG21	9	0.41
(1,1769)	1:30:A:GLN:HG3	1:175:A:VAL:HG22	9	0.41
(1,1769)	1:30:A:GLN:HG3	1:175:A:VAL:HG23	9	0.41
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	1	0.41
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	1	0.41
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	1	0.41
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	4	0.41
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	4	0.41
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	4	0.41
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	15	0.41
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	15	0.41
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	15	0.41
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB1	11	0.41
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB2	11	0.41
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB3	11	0.41
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB1	11	0.41
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB2	11	0.41
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB3	11	0.41
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB1	11	0.41
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB2	11	0.41
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB3	11	0.41
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD11	6	0.41
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD12	6	0.41
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD13	6	0.41
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD11	6	0.41
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD12	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD13	6	0.41
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD11	6	0.41
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD12	6	0.41
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD13	6	0.41
(1,1467)	1:12:A:PHE:HA	1:13:A:LYS:HG2	7	0.41
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	7	0.41
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	7	0.41
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	7	0.41
(1,1316)	1:27:A:SER:HA	1:30:A:GLN:HG3	14	0.41
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	9	0.41
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	9	0.41
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	9	0.41
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	18	0.41
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	18	0.41
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	18	0.41
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	18	0.41
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	18	0.41
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	18	0.41
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	18	0.41
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	18	0.41
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	18	0.41
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	2	0.41
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	2	0.41
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	2	0.41
(1,1106)	1:74:A:LEU:HB3	1:115:A:GLY:H	16	0.41
(1,1042)	1:98:A:ASN:HD21	1:141:A:GLY:HA2	2	0.41
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	17	0.41
(1,714)	1:159:A:GLN:HG3	1:168:A:THR:H	7	0.41
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	8	0.41
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	17	0.41
(1,56)	1:55:A:ASN:HB2	1:131:A:ILE:H	6	0.41
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	2	0.4
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	2	0.4
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	2	0.4
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	9	0.4
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	9	0.4
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	16	0.4
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	6	0.4
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	6	0.4
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	6	0.4
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	6	0.4
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	6	0.4
(1,3390)	1:91:A:SER:HB3	1:94:A:GLY:H	5	0.4
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	19	0.4
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	19	0.4
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	19	0.4
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	12	0.4
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	18	0.4
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	2	0.4
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	2	0.4
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	2	0.4
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	15	0.4
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	20	0.4
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	20	0.4
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	20	0.4
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	18	0.4
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	18	0.4
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	18	0.4
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG21	10	0.4
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG22	10	0.4
(1,2113)	1:69:A:ALA:HA	1:156:A:VAL:HG23	10	0.4
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	19	0.4
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	19	0.4
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	19	0.4
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	8	0.4
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	8	0.4
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	8	0.4
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	13	0.4
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	13	0.4
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	13	0.4
(1,1788)	1:71:A:VAL:HG21	1:157:A:GLN:H	19	0.4
(1,1788)	1:71:A:VAL:HG22	1:157:A:GLN:H	19	0.4
(1,1788)	1:71:A:VAL:HG23	1:157:A:GLN:H	19	0.4
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	5	0.4
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	5	0.4
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	5	0.4
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	5	0.4
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	5	0.4
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	5	0.4
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	5	0.4
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	5	0.4
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	5	0.4
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	1	0.4
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	1	0.4
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	1	0.4
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	1	0.4
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	1	0.4
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG21	8	0.4
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG22	8	0.4
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG23	8	0.4
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	4	0.4
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	4	0.4
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	4	0.4
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	13	0.4
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	13	0.4
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	13	0.4
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	8	0.4
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	8	0.4
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	8	0.4
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	5	0.4
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	5	0.4
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	5	0.4
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	5	0.4
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	5	0.4
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	5	0.4
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	5	0.4
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	5	0.4
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	5	0.4
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	8	0.4
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	8	0.4
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	8	0.4
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	8	0.4
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	8	0.4
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	8	0.4
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	8	0.4
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	8	0.4
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	8	0.4
(1,1323)	1:111:A:LEU:HD21	1:118:A:PHE:HA	20	0.4
(1,1323)	1:111:A:LEU:HD22	1:118:A:PHE:HA	20	0.4
(1,1323)	1:111:A:LEU:HD23	1:118:A:PHE:HA	20	0.4
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD1	18	0.4
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD2	18	0.4
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD1	18	0.4
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD2	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD1	18	0.4
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD2	18	0.4
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG21	1	0.4
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG22	1	0.4
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG23	1	0.4
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	12	0.4
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	6	0.4
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG11	19	0.4
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG12	19	0.4
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG13	19	0.4
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	6	0.4
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	15	0.4
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	13	0.4
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	4	0.4
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	4	0.4
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	4	0.4
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	6	0.4
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	18	0.4
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	18	0.4
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	18	0.4
(1,158)	1:84:A:ASN:HB2	1:113:A:LEU:H	15	0.4
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	2	0.4
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	7	0.4
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	7	0.4
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	7	0.4
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	18	0.39
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	18	0.39
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	18	0.39
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	19	0.39
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	19	0.39
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	19	0.39
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	12	0.39
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	12	0.39
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	20	0.39
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	4	0.39
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	1	0.39
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	1	0.39
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	1	0.39
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	1	0.39
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	1	0.39
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	1	0.39
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	7	0.39
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	7	0.39
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	7	0.39
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	7	0.39
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	7	0.39
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	8	0.39
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	8	0.39
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	8	0.39
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	8	0.39
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	8	0.39
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	8	0.39
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	7	0.39
(1,3524)	1:111:A:LEU:HD21	1:120:A:SER:HB2	10	0.39
(1,3524)	1:111:A:LEU:HD22	1:120:A:SER:HB2	10	0.39
(1,3524)	1:111:A:LEU:HD23	1:120:A:SER:HB2	10	0.39
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	17	0.39
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	15	0.39
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	6	0.39
(1,3052)	1:70:A:ALA:HA	1:121:A:GLU:HG3	17	0.39
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	3	0.39
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	4	0.39
(1,2419)	1:129:A:ASN:HA	1:129:A:ASN:HD22	18	0.39
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	19	0.39
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	12	0.39
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	12	0.39
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	12	0.39
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	12	0.39
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	12	0.39
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	12	0.39
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	12	0.39
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	12	0.39
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	12	0.39
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	15	0.39
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	15	0.39
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	15	0.39
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	15	0.39
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	15	0.39
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	15	0.39
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	19	0.39
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	19	0.39
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	19	0.39
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG21	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG22	15	0.39
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG23	15	0.39
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	19	0.39
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	19	0.39
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	19	0.39
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	19	0.39
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	19	0.39
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	19	0.39
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	1	0.39
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	1	0.39
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	1	0.39
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	1	0.39
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	1	0.39
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	1	0.39
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	1	0.39
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	1	0.39
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	1	0.39
(1,1744)	1:23:A:VAL:HG11	1:59:A:ASN:H	18	0.39
(1,1744)	1:23:A:VAL:HG12	1:59:A:ASN:H	18	0.39
(1,1744)	1:23:A:VAL:HG13	1:59:A:ASN:H	18	0.39
(1,1707)	1:85:A:VAL:HG21	1:86:A:LEU:H	3	0.39
(1,1707)	1:85:A:VAL:HG22	1:86:A:LEU:H	3	0.39
(1,1707)	1:85:A:VAL:HG23	1:86:A:LEU:H	3	0.39
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	8	0.39
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	8	0.39
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	8	0.39
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	8	0.39
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	8	0.39
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	8	0.39
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	8	0.39
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	8	0.39
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	8	0.39
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG21	9	0.39
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG22	9	0.39
(1,1688)	1:145:A:PRO:HA	1:181:A:VAL:HG23	9	0.39
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	10	0.39
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	10	0.39
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	10	0.39
(1,1682)	1:181:A:VAL:HG21	1:182:A:VAL:H	18	0.39
(1,1682)	1:181:A:VAL:HG22	1:182:A:VAL:H	18	0.39
(1,1682)	1:181:A:VAL:HG23	1:182:A:VAL:H	18	0.39
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	10	0.39
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	10	0.39
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	4	0.39
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	4	0.39
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	4	0.39
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG21	15	0.39
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG22	15	0.39
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG23	15	0.39
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	6	0.39
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	6	0.39
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	6	0.39
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	1	0.39
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	1	0.39
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	1	0.39
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	19	0.39
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	19	0.39
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	19	0.39
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	3	0.39
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	3	0.39
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	3	0.39
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	20	0.39
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	20	0.39
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	20	0.39
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	7	0.39
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	16	0.39
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	16	0.39
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	16	0.39
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	16	0.39
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	20	0.39
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	5	0.39
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	19	0.39
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	18	0.39
(1,502)	1:16:A:VAL:HG11	1:170:A:VAL:H	14	0.39
(1,502)	1:16:A:VAL:HG12	1:170:A:VAL:H	14	0.39
(1,502)	1:16:A:VAL:HG13	1:170:A:VAL:H	14	0.39
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	6	0.39
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	6	0.39
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	6	0.39
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	16	0.39
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	16	0.39
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	16	0.39
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	14	0.39
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	14	0.39
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	14	0.39
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	12	0.38
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	12	0.38
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	12	0.38
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	12	0.38
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	12	0.38
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	12	0.38
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	20	0.38
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	20	0.38
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	20	0.38
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	20	0.38
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	20	0.38
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	20	0.38
(1,3775)	1:106:A:ARG:HG3	1:120:A:SER:HB2	3	0.38
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	8	0.38
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	1	0.38
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	1	0.38
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	1	0.38
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	1	0.38
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	1	0.38
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	1	0.38
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD1	5	0.38
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD2	5	0.38
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD1	5	0.38
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD2	5	0.38
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD1	5	0.38
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD2	5	0.38
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	6	0.38
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	6	0.38
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	6	0.38
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	4	0.38
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	4	0.38
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	17	0.38
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	17	0.38
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	17	0.38
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	13	0.38
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	13	0.38
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	13	0.38
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	14	0.38
(1,2780)	1:33:A:GLN:HB2	1:35:A:GLY:HA2	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2728)	1:13:A:LYS:HB2	1:14:A:GLY:HA3	8	0.38
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	20	0.38
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	9	0.38
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	6	0.38
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB1	10	0.38
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB2	10	0.38
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB3	10	0.38
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	8	0.38
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	8	0.38
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	8	0.38
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	8	0.38
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	8	0.38
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	8	0.38
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	8	0.38
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	8	0.38
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	8	0.38
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	8	0.38
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	8	0.38
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	8	0.38
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	6	0.38
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	6	0.38
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	6	0.38
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	7	0.38
(1,2059)	1:34:A:LEU:HG	1:52:A:VAL:HG11	9	0.38
(1,2059)	1:34:A:LEU:HG	1:52:A:VAL:HG12	9	0.38
(1,2059)	1:34:A:LEU:HG	1:52:A:VAL:HG13	9	0.38
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG21	1	0.38
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG22	1	0.38
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG23	1	0.38
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG21	7	0.38
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG22	7	0.38
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG23	7	0.38
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG21	20	0.38
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG22	20	0.38
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG23	20	0.38
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	4	0.38
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	4	0.38
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	4	0.38
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	4	0.38
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	4	0.38
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	4	0.38
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	10	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	10	0.38
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	10	0.38
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	10	0.38
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	10	0.38
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	10	0.38
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	15	0.38
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	15	0.38
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	15	0.38
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	15	0.38
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	15	0.38
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	15	0.38
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	12	0.38
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	12	0.38
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	12	0.38
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	13	0.38
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	13	0.38
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	13	0.38
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	3	0.38
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	3	0.38
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	3	0.38
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	3	0.38
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	3	0.38
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	3	0.38
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	3	0.38
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	3	0.38
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	3	0.38
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	15	0.38
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	15	0.38
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	15	0.38
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	15	0.38
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	15	0.38
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	15	0.38
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	15	0.38
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	15	0.38
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	15	0.38
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	13	0.38
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	13	0.38
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	13	0.38
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD21	7	0.38
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD22	7	0.38
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD23	7	0.38
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	1	0.38
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	1	0.38
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	1	0.38
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	1	0.38
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	1	0.38
(1,1100)	1:104:A:LEU:HD21	1:134:A:GLN:HE21	4	0.38
(1,1100)	1:104:A:LEU:HD22	1:134:A:GLN:HE21	4	0.38
(1,1100)	1:104:A:LEU:HD23	1:134:A:GLN:HE21	4	0.38
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	10	0.38
(1,841)	1:84:A:ASN:H	1:84:A:ASN:HD22	8	0.38
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	15	0.38
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	12	0.38
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	18	0.38
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	20	0.38
(1,631)	1:94:A:GLY:HA3	1:95:A:SER:H	20	0.38
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	16	0.38
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	1	0.38
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	1	0.38
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	1	0.38
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	4	0.38
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	5	0.38
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	14	0.38
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	1	0.38
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	12	0.37
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	12	0.37
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	12	0.37
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	7	0.37
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	9	0.37
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	9	0.37
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	9	0.37
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	9	0.37
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	9	0.37
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	9	0.37
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	9	0.37
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	9	0.37
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	9	0.37
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	10	0.37
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	10	0.37
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	10	0.37
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	10	0.37
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	10	0.37
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	10	0.37
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	10	0.37
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	10	0.37
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	8	0.37
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	8	0.37
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	8	0.37
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	11	0.37
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	14	0.37
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	18	0.37
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	18	0.37
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	18	0.37
(1,3522)	1:120:A:SER:HB3	1:121:A:GLU:H	12	0.37
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	13	0.37
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	2	0.37
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	2	0.37
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	3	0.37
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	3	0.37
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	6	0.37
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	6	0.37
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	6	0.37
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	18	0.37
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	18	0.37
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	18	0.37
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	6	0.37
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG11	5	0.37
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG12	5	0.37
(1,2967)	1:18:A:ASN:HB3	1:65:A:VAL:HG13	5	0.37
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG11	5	0.37
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG12	5	0.37
(1,2967)	1:18:A:ASN:HB2	1:65:A:VAL:HG13	5	0.37
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	1	0.37
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	9	0.37
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB1	16	0.37
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB2	16	0.37
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB3	16	0.37
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	5	0.37
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	10	0.37
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	15	0.37
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	15	0.37
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	15	0.37
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD21	19	0.37
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD22	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD23	19	0.37
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD21	19	0.37
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD22	19	0.37
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD23	19	0.37
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD21	19	0.37
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD22	19	0.37
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD23	19	0.37
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	18	0.37
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	18	0.37
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	18	0.37
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	18	0.37
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	18	0.37
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	18	0.37
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	18	0.37
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	18	0.37
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	18	0.37
(1,2090)	1:16:A:VAL:HG11	1:170:A:VAL:HB	7	0.37
(1,2090)	1:16:A:VAL:HG12	1:170:A:VAL:HB	7	0.37
(1,2090)	1:16:A:VAL:HG13	1:170:A:VAL:HB	7	0.37
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG21	17	0.37
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG22	17	0.37
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG23	17	0.37
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	20	0.37
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	20	0.37
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	20	0.37
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	20	0.37
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	20	0.37
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	20	0.37
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	20	0.37
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	20	0.37
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	20	0.37
(1,1701)	1:23:A:VAL:HG21	1:27:A:SER:H	6	0.37
(1,1701)	1:23:A:VAL:HG22	1:27:A:SER:H	6	0.37
(1,1701)	1:23:A:VAL:HG23	1:27:A:SER:H	6	0.37
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	19	0.37
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	19	0.37
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	19	0.37
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	19	0.37
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	19	0.37
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	19	0.37
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	19	0.37
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	19	0.37
(1,1675)	1:42:A:LEU:HD11	1:48:A:THR:HA	10	0.37
(1,1675)	1:42:A:LEU:HD12	1:48:A:THR:HA	10	0.37
(1,1675)	1:42:A:LEU:HD13	1:48:A:THR:HA	10	0.37
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	13	0.37
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	13	0.37
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	13	0.37
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	16	0.37
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	16	0.37
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	16	0.37
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	16	0.37
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	16	0.37
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	16	0.37
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	16	0.37
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	16	0.37
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	16	0.37
(1,1477)	1:34:A:LEU:HD11	1:136:A:ARG:HA	1	0.37
(1,1477)	1:34:A:LEU:HD12	1:136:A:ARG:HA	1	0.37
(1,1477)	1:34:A:LEU:HD13	1:136:A:ARG:HA	1	0.37
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	8	0.37
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	8	0.37
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	8	0.37
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	14	0.37
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	14	0.37
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	14	0.37
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	5	0.37
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	5	0.37
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	5	0.37
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	17	0.37
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	17	0.37
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	17	0.37
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	20	0.37
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	10	0.37
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	19	0.37
(1,762)	1:90:A:SER:HB3	1:91:A:SER:H	4	0.37
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	17	0.37
(1,686)	1:115:A:GLY:HA3	1:117:A:THR:H	12	0.37
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	16	0.37
(1,158)	1:84:A:ASN:HB2	1:113:A:LEU:H	1	0.37
(1,158)	1:84:A:ASN:HB2	1:113:A:LEU:H	18	0.37
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	8	0.37
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	19	0.37
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	19	0.37
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	19	0.37
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	3	0.36
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	3	0.36
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	3	0.36
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	10	0.36
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	10	0.36
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	10	0.36
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	11	0.36
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	11	0.36
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	11	0.36
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	14	0.36
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	14	0.36
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	20	0.36
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	20	0.36
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	20	0.36
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	20	0.36
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	20	0.36
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	20	0.36
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	20	0.36
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	20	0.36
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	20	0.36
(1,3671)	1:30:A:GLN:HG3	1:32:A:VAL:HA	10	0.36
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	18	0.36
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	10	0.36
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	13	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	4	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	4	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	4	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	11	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	11	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	11	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	14	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	14	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	14	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	20	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	20	0.36
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	20	0.36
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	13	0.36
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD2	1	0.36
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD3	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	9	0.36
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	9	0.36
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	3	0.36
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	3	0.36
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	3	0.36
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	4	0.36
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	16	0.36
(1,2941)	1:12:A:PHE:HB2	1:13:A:LYS:HA	3	0.36
(1,2865)	1:149:A:ASN:HD22	1:178:A:LYS:HE3	9	0.36
(1,2865)	1:149:A:ASN:HD21	1:178:A:LYS:HE3	9	0.36
(1,2857)	1:105:A:ASP:HB2	1:111:A:LEU:HG	14	0.36
(1,2857)	1:105:A:ASP:HB2	1:111:A:LEU:HG	19	0.36
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	10	0.36
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	5	0.36
(1,2576)	1:59:A:ASN:HA	1:129:A:ASN:HD21	3	0.36
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG11	7	0.36
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG12	7	0.36
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG13	7	0.36
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG21	14	0.36
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG22	14	0.36
(1,2480)	1:51:A:ALA:HA	1:52:A:VAL:HG23	14	0.36
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	12	0.36
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB1	14	0.36
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB2	14	0.36
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB3	14	0.36
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	3	0.36
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	3	0.36
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	3	0.36
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	7	0.36
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	7	0.36
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	7	0.36
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	7	0.36
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	7	0.36
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	7	0.36
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	7	0.36
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	7	0.36
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	7	0.36
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	8	0.36
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	8	0.36
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	8	0.36
(1,2215)	1:101:A:VAL:HG21	1:102:A:GLN:H	9	0.36
(1,2215)	1:101:A:VAL:HG22	1:102:A:GLN:H	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2215)	1:101:A:VAL:HG23	1:102:A:GLN:H	9	0.36
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	14	0.36
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	14	0.36
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	14	0.36
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG11	14	0.36
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG12	14	0.36
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG13	14	0.36
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	9	0.36
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	9	0.36
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	9	0.36
(1,1975)	1:124:A:LEU:HD21	1:129:A:ASN:HB2	9	0.36
(1,1975)	1:124:A:LEU:HD22	1:129:A:ASN:HB2	9	0.36
(1,1975)	1:124:A:LEU:HD23	1:129:A:ASN:HB2	9	0.36
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG21	8	0.36
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG22	8	0.36
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG23	8	0.36
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG21	13	0.36
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG22	13	0.36
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG23	13	0.36
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG21	17	0.36
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG22	17	0.36
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG23	17	0.36
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	9	0.36
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	9	0.36
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	9	0.36
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	15	0.36
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	15	0.36
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	15	0.36
(1,1788)	1:71:A:VAL:HG21	1:157:A:GLN:H	9	0.36
(1,1788)	1:71:A:VAL:HG22	1:157:A:GLN:H	9	0.36
(1,1788)	1:71:A:VAL:HG23	1:157:A:GLN:H	9	0.36
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	4	0.36
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	4	0.36
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	4	0.36
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	5	0.36
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	5	0.36
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	5	0.36
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	7	0.36
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	7	0.36
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	7	0.36
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	7	0.36
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	7	0.36
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	7	0.36
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	7	0.36
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	7	0.36
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	5	0.36
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	5	0.36
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	5	0.36
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	1	0.36
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	1	0.36
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	1	0.36
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG21	9	0.36
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG22	9	0.36
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG23	9	0.36
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	7	0.36
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	7	0.36
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	7	0.36
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD11	9	0.36
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD12	9	0.36
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD13	9	0.36
(1,1472)	1:34:A:LEU:HD11	1:137:A:TYR:H	15	0.36
(1,1472)	1:34:A:LEU:HD12	1:137:A:TYR:H	15	0.36
(1,1472)	1:34:A:LEU:HD13	1:137:A:TYR:H	15	0.36
(1,1467)	1:12:A:PHE:HA	1:13:A:LYS:HG2	13	0.36
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	6	0.36
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	6	0.36
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	6	0.36
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	6	0.36
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	6	0.36
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	6	0.36
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	13	0.36
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	13	0.36
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	13	0.36
(1,1268)	1:34:A:LEU:HD21	1:178:A:LYS:H	5	0.36
(1,1268)	1:34:A:LEU:HD22	1:178:A:LYS:H	5	0.36
(1,1268)	1:34:A:LEU:HD23	1:178:A:LYS:H	5	0.36
(1,1106)	1:74:A:LEU:HB3	1:115:A:GLY:H	14	0.36
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	18	0.36
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	2	0.36
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	6	0.36
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD11	9	0.36
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD12	9	0.36
(1,684)	1:76:A:THR:H	1:86:A:LEU:HD13	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:52:A:VAL:HG11	1:54:A:PHE:H	16	0.36
(1,676)	1:52:A:VAL:HG12	1:54:A:PHE:H	16	0.36
(1,676)	1:52:A:VAL:HG13	1:54:A:PHE:H	16	0.36
(1,573)	1:91:A:SER:HB2	1:93:A:ALA:H	4	0.36
(1,498)	1:155:A:LYS:HB2	1:170:A:VAL:H	13	0.36
(1,494)	1:14:A:GLY:HA2	1:15:A:GLU:H	11	0.36
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	6	0.36
(1,3776)	1:106:A:ARG:HG2	1:107:A:THR:HG21	9	0.35
(1,3776)	1:106:A:ARG:HG2	1:107:A:THR:HG22	9	0.35
(1,3776)	1:106:A:ARG:HG2	1:107:A:THR:HG23	9	0.35
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	1	0.35
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	11	0.35
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	13	0.35
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	13	0.35
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	13	0.35
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	20	0.35
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	18	0.35
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	10	0.35
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	10	0.35
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	10	0.35
(1,3162)	1:104:A:LEU:HB3	1:134:A:GLN:HB3	5	0.35
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	19	0.35
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	19	0.35
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	19	0.35
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	2	0.35
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	9	0.35
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	12	0.35
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	15	0.35
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	18	0.35
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	20	0.35
(1,2857)	1:105:A:ASP:HB2	1:111:A:LEU:HG	9	0.35
(1,2857)	1:105:A:ASP:HB2	1:111:A:LEU:HG	20	0.35
(1,2419)	1:129:A:ASN:HA	1:129:A:ASN:HD22	4	0.35
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG21	9	0.35
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG22	9	0.35
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG23	9	0.35
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG21	9	0.35
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG22	9	0.35
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG23	9	0.35
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG21	9	0.35
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG22	9	0.35
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG23	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG11	13	0.35
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG12	13	0.35
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG13	13	0.35
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	5	0.35
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	20	0.35
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	2	0.35
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	2	0.35
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	2	0.35
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG11	4	0.35
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG12	4	0.35
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG13	4	0.35
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG21	19	0.35
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG22	19	0.35
(1,1837)	1:28:A:VAL:H	1:28:A:VAL:HG23	19	0.35
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	12	0.35
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	12	0.35
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	12	0.35
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	12	0.35
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	12	0.35
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	12	0.35
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	12	0.35
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	12	0.35
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	12	0.35
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	16	0.35
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	16	0.35
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	16	0.35
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	16	0.35
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	16	0.35
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	16	0.35
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	16	0.35
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	16	0.35
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	16	0.35
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	16	0.35
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	16	0.35
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	16	0.35
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	17	0.35
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	17	0.35
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	17	0.35
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	20	0.35
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	20	0.35
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	20	0.35
(1,1560)	1:104:A:LEU:HD11	1:110:A:ALA:H	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1560)	1:104:A:LEU:HD12	1:110:A:ALA:H	5	0.35
(1,1560)	1:104:A:LEU:HD13	1:110:A:ALA:H	5	0.35
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	15	0.35
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	15	0.35
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	15	0.35
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG21	15	0.35
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG22	15	0.35
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG23	15	0.35
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG21	15	0.35
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG22	15	0.35
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG23	15	0.35
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG21	15	0.35
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG22	15	0.35
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG23	15	0.35
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG21	19	0.35
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG22	19	0.35
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG23	19	0.35
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG21	19	0.35
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG22	19	0.35
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG23	19	0.35
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG21	19	0.35
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG22	19	0.35
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG23	19	0.35
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	16	0.35
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	16	0.35
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	16	0.35
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	16	0.35
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	16	0.35
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	16	0.35
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	16	0.35
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	16	0.35
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	16	0.35
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	12	0.35
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	12	0.35
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	12	0.35
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	15	0.35
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	15	0.35
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	15	0.35
(1,573)	1:91:A:SER:HB2	1:93:A:ALA:H	5	0.35
(1,573)	1:91:A:SER:HB2	1:93:A:ALA:H	8	0.35
(1,534)	1:155:A:LYS:HB2	1:156:A:VAL:H	10	0.35
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	2	0.34
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	2	0.34
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	2	0.34
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	2	0.34
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	2	0.34
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	3	0.34
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	7	0.34
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	2	0.34
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	2	0.34
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	2	0.34
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	16	0.34
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	16	0.34
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	16	0.34
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD2	16	0.34
(1,3506)	1:13:A:LYS:HB2	1:13:A:LYS:HD3	16	0.34
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	20	0.34
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	5	0.34
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	8	0.34
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	10	0.34
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	13	0.34
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	17	0.34
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	19	0.34
(1,2857)	1:105:A:ASP:HB2	1:111:A:LEU:HG	15	0.34
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	12	0.34
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	20	0.34
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	20	0.34
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	20	0.34
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	7	0.34
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	13	0.34
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	3	0.34
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	3	0.34
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	3	0.34
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	18	0.34
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	18	0.34
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	18	0.34
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	2	0.34
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	2	0.34
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	2	0.34
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	2	0.34
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	2	0.34
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	2	0.34
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	2	0.34
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	2	0.34
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	18	0.34
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	18	0.34
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	18	0.34
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	18	0.34
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	18	0.34
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	18	0.34
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	18	0.34
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	18	0.34
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	18	0.34
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	3	0.34
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	3	0.34
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	3	0.34
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	3	0.34
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	3	0.34
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	3	0.34
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	3	0.34
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	3	0.34
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	3	0.34
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	3	0.34
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	3	0.34
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	3	0.34
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG11	6	0.34
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG12	6	0.34
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG13	6	0.34
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG11	13	0.34
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG12	13	0.34
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG13	13	0.34
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG21	11	0.34
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG22	11	0.34
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG23	11	0.34
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG21	13	0.34
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG22	13	0.34
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG23	13	0.34
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	19	0.34
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	19	0.34
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	19	0.34
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	4	0.34
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	4	0.34
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	4	0.34
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	19	0.34
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	19	0.34
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	19	0.34
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	19	0.34
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	19	0.34
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	19	0.34
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	19	0.34
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	19	0.34
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	5	0.34
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	5	0.34
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	5	0.34
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	5	0.34
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	5	0.34
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	5	0.34
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	7	0.34
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	7	0.34
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	7	0.34
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	7	0.34
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	7	0.34
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	7	0.34
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	9	0.34
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	9	0.34
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	9	0.34
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	6	0.34
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	6	0.34
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	6	0.34
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	6	0.34
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	6	0.34
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	6	0.34
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	6	0.34
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	6	0.34
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	6	0.34
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	3	0.34
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	3	0.34
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	3	0.34
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB1	10	0.34
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB2	10	0.34
(1,1569)	1:104:A:LEU:HD11	1:110:A:ALA:HB3	10	0.34
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB1	10	0.34
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB2	10	0.34
(1,1569)	1:104:A:LEU:HD12	1:110:A:ALA:HB3	10	0.34
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB1	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB2	10	0.34
(1,1569)	1:104:A:LEU:HD13	1:110:A:ALA:HB3	10	0.34
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	1	0.34
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	1	0.34
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	1	0.34
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	19	0.34
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	19	0.34
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	19	0.34
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	4	0.34
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	4	0.34
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	4	0.34
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	18	0.34
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	18	0.34
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	18	0.34
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	10	0.34
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	10	0.34
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	10	0.34
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	10	0.34
(1,1080)	1:107:A:THR:H	1:108:A:GLY:HA3	18	0.34
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	10	0.34
(1,966)	1:16:A:VAL:HG21	1:18:A:ASN:HD21	18	0.34
(1,966)	1:16:A:VAL:HG22	1:18:A:ASN:HD21	18	0.34
(1,966)	1:16:A:VAL:HG23	1:18:A:ASN:HD21	18	0.34
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	14	0.34
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG11	11	0.34
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG12	11	0.34
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG13	11	0.34
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	8	0.34
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	9	0.34
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	5	0.34
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	16	0.34
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	3	0.34
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	10	0.34
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	15	0.34
(1,573)	1:91:A:SER:HB2	1:93:A:ALA:H	2	0.34
(1,573)	1:91:A:SER:HB2	1:93:A:ALA:H	3	0.34
(1,573)	1:91:A:SER:HB2	1:93:A:ALA:H	9	0.34
(1,573)	1:91:A:SER:HB2	1:93:A:ALA:H	19	0.34
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	5	0.34
(1,365)	1:137:A:TYR:HB2	1:138:A:PHE:H	12	0.34
(1,303)	1:18:A:ASN:H	1:170:A:VAL:HG21	15	0.34
(1,303)	1:18:A:ASN:H	1:170:A:VAL:HG22	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:18:A:ASN:H	1:170:A:VAL:HG23	15	0.34
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	12	0.34
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	9	0.34
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	10	0.33
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	10	0.33
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	10	0.33
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	2	0.33
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	2	0.33
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	2	0.33
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	2	0.33
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	2	0.33
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	2	0.33
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	8	0.33
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	8	0.33
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	8	0.33
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	8	0.33
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	8	0.33
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	8	0.33
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	15	0.33
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	15	0.33
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	15	0.33
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	15	0.33
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	15	0.33
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	15	0.33
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	16	0.33
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	16	0.33
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	16	0.33
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	16	0.33
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	16	0.33
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	16	0.33
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	17	0.33
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	17	0.33
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	17	0.33
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	17	0.33
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	17	0.33
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	17	0.33
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	8	0.33
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	8	0.33
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	8	0.33
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	8	0.33
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	8	0.33
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	8	0.33
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	8	0.33
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	8	0.33
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	15	0.33
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	16	0.33
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	17	0.33
(1,3513)	1:106:A:ARG:HG3	1:120:A:SER:HB3	4	0.33
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB1	3	0.33
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB2	3	0.33
(1,3392)	1:91:A:SER:HB3	1:147:A:ALA:HB3	3	0.33
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	19	0.33
(1,3238)	1:30:A:GLN:HG3	1:176:A:HIS:H	17	0.33
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	10	0.33
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	10	0.33
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	10	0.33
(1,2982)	1:16:A:VAL:HG21	1:18:A:ASN:HB2	18	0.33
(1,2982)	1:16:A:VAL:HG22	1:18:A:ASN:HB2	18	0.33
(1,2982)	1:16:A:VAL:HG23	1:18:A:ASN:HB2	18	0.33
(1,2767)	1:33:A:GLN:HB2	1:35:A:GLY:HA3	20	0.33
(1,2761)	1:24:A:ASP:HB3	1:59:A:ASN:HD21	4	0.33
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	6	0.33
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	1	0.33
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	18	0.33
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	10	0.33
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	10	0.33
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	10	0.33
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	12	0.33
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	12	0.33
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	12	0.33
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	11	0.33
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	11	0.33
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	11	0.33
(1,2307)	1:170:A:VAL:HG11	1:172:A:GLY:HA2	13	0.33
(1,2307)	1:170:A:VAL:HG12	1:172:A:GLY:HA2	13	0.33
(1,2307)	1:170:A:VAL:HG13	1:172:A:GLY:HA2	13	0.33
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	15	0.33
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	15	0.33
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	15	0.33
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	15	0.33
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	15	0.33
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	15	0.33
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	15	0.33
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	15	0.33
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	17	0.33
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	17	0.33
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	17	0.33
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	17	0.33
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	17	0.33
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	17	0.33
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	17	0.33
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	17	0.33
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	17	0.33
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG11	7	0.33
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG12	7	0.33
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG13	7	0.33
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG11	18	0.33
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG12	18	0.33
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG13	18	0.33
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG21	10	0.33
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG22	10	0.33
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG23	10	0.33
(1,2056)	1:52:A:VAL:HG11	1:53:A:GLY:H	11	0.33
(1,2056)	1:52:A:VAL:HG12	1:53:A:GLY:H	11	0.33
(1,2056)	1:52:A:VAL:HG13	1:53:A:GLY:H	11	0.33
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	19	0.33
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	19	0.33
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	19	0.33
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	1	0.33
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	1	0.33
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	1	0.33
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	8	0.33
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	8	0.33
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	8	0.33
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	8	0.33
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	8	0.33
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	8	0.33
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD1	20	0.33
(1,1766)	1:175:A:VAL:HG21	1:177:A:PHE:HD2	20	0.33
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD1	20	0.33
(1,1766)	1:175:A:VAL:HG22	1:177:A:PHE:HD2	20	0.33
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD1	20	0.33
(1,1766)	1:175:A:VAL:HG23	1:177:A:PHE:HD2	20	0.33
(1,1744)	1:23:A:VAL:HG11	1:59:A:ASN:H	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1744)	1:23:A:VAL:HG12	1:59:A:ASN:H	3	0.33
(1,1744)	1:23:A:VAL:HG13	1:59:A:ASN:H	3	0.33
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	2	0.33
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	2	0.33
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	2	0.33
(1,1704)	1:23:A:VAL:HG21	1:24:A:ASP:H	2	0.33
(1,1704)	1:23:A:VAL:HG22	1:24:A:ASP:H	2	0.33
(1,1704)	1:23:A:VAL:HG23	1:24:A:ASP:H	2	0.33
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	11	0.33
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	11	0.33
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	11	0.33
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	11	0.33
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	11	0.33
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	11	0.33
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	11	0.33
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	11	0.33
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	11	0.33
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG21	5	0.33
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG22	5	0.33
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG23	5	0.33
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	2	0.33
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	2	0.33
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	2	0.33
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	15	0.33
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	15	0.33
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	15	0.33
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	15	0.33
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	15	0.33
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	15	0.33
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	15	0.33
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	15	0.33
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	15	0.33
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	20	0.33
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	20	0.33
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	20	0.33
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	20	0.33
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	20	0.33
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	20	0.33
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	20	0.33
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	20	0.33
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	20	0.33
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	3	0.33
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	3	0.33
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	7	0.33
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	7	0.33
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	7	0.33
(1,1145)	1:159:A:GLN:HB2	1:160:A:GLY:H	18	0.33
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	13	0.33
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	17	0.33
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	4	0.33
(1,764)	1:91:A:SER:H	1:91:A:SER:HB3	16	0.33
(1,645)	1:30:A:GLN:HG3	1:31:A:THR:H	17	0.33
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	9	0.33
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	18	0.33
(1,573)	1:91:A:SER:HB2	1:93:A:ALA:H	6	0.33
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	2	0.33
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	3	0.33
(1,498)	1:155:A:LYS:HB2	1:170:A:VAL:H	16	0.33
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD11	14	0.33
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD12	14	0.33
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD13	14	0.33
(1,229)	1:165:A:GLY:HA2	1:166:A:ALA:H	12	0.33
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	11	0.33
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	16	0.33
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	18	0.33
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	20	0.33
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	3	0.33
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	3	0.33
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	3	0.33
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	8	0.33
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	2	0.32
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	2	0.32
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	2	0.32
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	7	0.32
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	7	0.32
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	7	0.32
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	7	0.32
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	7	0.32
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	7	0.32
(1,3745)	1:30:A:GLN:HG3	1:175:A:VAL:HA	17	0.32
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	2	0.32
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	2	0.32
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	2	0.32
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	2	0.32
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	2	0.32
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	2	0.32
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	2	0.32
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	2	0.32
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	11	0.32
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	11	0.32
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	11	0.32
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	15	0.32
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	15	0.32
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	15	0.32
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	2	0.32
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	6	0.32
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	16	0.32
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	5	0.32
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	15	0.32
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	2	0.32
(1,3515)	1:105:A:ASP:HA	1:120:A:SER:HB3	3	0.32
(1,3445)	1:90:A:SER:H	1:90:A:SER:HB2	3	0.32
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	18	0.32
(1,3132)	1:157:A:GLN:HG2	1:159:A:GLN:HG3	3	0.32
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	5	0.32
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	5	0.32
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	5	0.32
(1,2761)	1:24:A:ASP:HB3	1:59:A:ASN:HD21	6	0.32
(1,2729)	1:14:A:GLY:HA2	1:15:A:GLU:HB3	14	0.32
(1,2726)	1:8:A:GLY:HA2	1:9:A:THR:H	8	0.32
(1,2718)	1:52:A:VAL:HG11	1:53:A:GLY:HA3	16	0.32
(1,2718)	1:52:A:VAL:HG12	1:53:A:GLY:HA3	16	0.32
(1,2718)	1:52:A:VAL:HG13	1:53:A:GLY:HA3	16	0.32
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	11	0.32
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG11	5	0.32
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG12	5	0.32
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG13	5	0.32
(1,2460)	1:105:A:ASP:HA	1:133:A:PHE:HB2	4	0.32
(1,2435)	1:104:A:LEU:HA	1:105:A:ASP:HB2	19	0.32
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	6	0.32
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	6	0.32
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	6	0.32
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	9	0.32
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	9	0.32
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	11	0.32
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	11	0.32
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	11	0.32
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	1	0.32
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	1	0.32
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	1	0.32
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	1	0.32
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	1	0.32
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	1	0.32
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	1	0.32
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	1	0.32
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	1	0.32
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	9	0.32
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	9	0.32
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	9	0.32
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	9	0.32
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	9	0.32
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	9	0.32
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	9	0.32
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	9	0.32
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	9	0.32
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	7	0.32
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	7	0.32
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	7	0.32
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	9	0.32
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	9	0.32
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	9	0.32
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	7	0.32
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	7	0.32
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	7	0.32
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG21	5	0.32
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG22	5	0.32
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG23	5	0.32
(1,1826)	1:89:A:GLN:HA	1:90:A:SER:HB2	19	0.32
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	6	0.32
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	6	0.32
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	6	0.32
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	10	0.32
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	10	0.32
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	10	0.32
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	17	0.32
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	17	0.32
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	17	0.32
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	17	0.32
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	17	0.32
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	17	0.32
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	17	0.32
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	17	0.32
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	4	0.32
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	4	0.32
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	4	0.32
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	4	0.32
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	4	0.32
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	4	0.32
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	4	0.32
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	4	0.32
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	4	0.32
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD21	13	0.32
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD22	13	0.32
(1,1373)	1:104:A:LEU:H	1:104:A:LEU:HD23	13	0.32
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	7	0.32
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	7	0.32
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	7	0.32
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	7	0.32
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	7	0.32
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	7	0.32
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	7	0.32
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	7	0.32
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	7	0.32
(1,1080)	1:107:A:THR:H	1:108:A:GLY:HA3	2	0.32
(1,1080)	1:107:A:THR:H	1:108:A:GLY:HA3	8	0.32
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	5	0.32
(1,1071)	1:86:A:LEU:HD21	1:153:A:THR:H	19	0.32
(1,1071)	1:86:A:LEU:HD22	1:153:A:THR:H	19	0.32
(1,1071)	1:86:A:LEU:HD23	1:153:A:THR:H	19	0.32
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	5	0.32
(1,966)	1:16:A:VAL:HG21	1:18:A:ASN:HD21	10	0.32
(1,966)	1:16:A:VAL:HG22	1:18:A:ASN:HD21	10	0.32
(1,966)	1:16:A:VAL:HG23	1:18:A:ASN:HD21	10	0.32
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	2	0.32
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	11	0.32
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:12:A:PHE:H	1:12:A:PHE:HB3	13	0.32
(1,229)	1:165:A:GLY:HA2	1:166:A:ALA:H	1	0.32
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD21	3	0.32
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD22	3	0.32
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD23	3	0.32
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	13	0.32
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	10	0.32
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	10	0.32
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	10	0.32
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	16	0.32
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	12	0.32
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	12	0.32
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	12	0.32
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	5	0.31
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	5	0.31
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	5	0.31
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	10	0.31
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	3	0.31
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	3	0.31
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	3	0.31
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	3	0.31
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	3	0.31
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	3	0.31
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	19	0.31
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	19	0.31
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	19	0.31
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	19	0.31
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	19	0.31
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	19	0.31
(1,3778)	1:106:A:ARG:HG2	1:107:A:THR:HB	5	0.31
(1,3745)	1:30:A:GLN:HG3	1:175:A:VAL:HA	3	0.31
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	5	0.31
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	19	0.31
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	12	0.31
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	12	0.31
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	12	0.31
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	12	0.31
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	12	0.31
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	12	0.31
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	8	0.31
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	8	0.31
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD21	19	0.31
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD22	19	0.31
(1,3596)	1:39:A:THR:HA	1:42:A:LEU:HD23	19	0.31
(1,3551)	1:37:A:VAL:HA	1:38:A:ARG:HG2	20	0.31
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	5	0.31
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	15	0.31
(1,3342)	1:23:A:VAL:HG21	1:27:A:SER:HB2	15	0.31
(1,3342)	1:23:A:VAL:HG22	1:27:A:SER:HB2	15	0.31
(1,3342)	1:23:A:VAL:HG23	1:27:A:SER:HB2	15	0.31
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG11	7	0.31
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG12	7	0.31
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG13	7	0.31
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG11	15	0.31
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG12	15	0.31
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG13	15	0.31
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	8	0.31
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	8	0.31
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	8	0.31
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	16	0.31
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	16	0.31
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	16	0.31
(1,2922)	1:124:A:LEU:HA	1:125:A:ASN:HB2	18	0.31
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	5	0.31
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	10	0.31
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	10	0.31
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	10	0.31
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD21	16	0.31
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD22	16	0.31
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD23	16	0.31
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD21	16	0.31
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD22	16	0.31
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD23	16	0.31
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD21	16	0.31
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD22	16	0.31
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD23	16	0.31
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG11	5	0.31
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG12	5	0.31
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG13	5	0.31
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG21	19	0.31
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG22	19	0.31
(1,1854)	1:65:A:VAL:H	1:65:A:VAL:HG23	19	0.31
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	18	0.31
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	18	0.31
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	6	0.31
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	6	0.31
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	6	0.31
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	18	0.31
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	18	0.31
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	18	0.31
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	1	0.31
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	1	0.31
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	1	0.31
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	20	0.31
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	20	0.31
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	20	0.31
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	9	0.31
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	9	0.31
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	9	0.31
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	9	0.31
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	9	0.31
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	9	0.31
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	9	0.31
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	9	0.31
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	9	0.31
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	17	0.31
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	17	0.31
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	17	0.31
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	11	0.31
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	11	0.31
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	11	0.31
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	1	0.31
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	1	0.31
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	1	0.31
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	9	0.31
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	9	0.31
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	9	0.31
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	12	0.31
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	12	0.31
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	12	0.31
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	12	0.31
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	12	0.31
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	12	0.31
(1,1106)	1:74:A:LEU:HB3	1:115:A:GLY:H	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1102)	1:108:A:GLY:HA2	1:134:A:GLN:HE22	3	0.31
(1,985)	1:61:A:CYS:HB3	1:127:A:GLY:H	2	0.31
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	13	0.31
(1,737)	1:106:A:ARG:H	1:106:A:ARG:HB2	3	0.31
(1,573)	1:91:A:SER:HB2	1:93:A:ALA:H	7	0.31
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	13	0.31
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	4	0.31
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	14	0.31
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	14	0.31
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	14	0.31
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD11	19	0.31
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD12	19	0.31
(1,420)	1:73:A:PHE:H	1:111:A:LEU:HD13	19	0.31
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD21	1	0.31
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD22	1	0.31
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD23	1	0.31
(1,142)	1:38:A:ARG:H	1:38:A:ARG:HB3	19	0.31
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	11	0.31
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	11	0.31
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	11	0.31
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	15	0.31
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	15	0.31
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	15	0.31
(1,3888)	1:101:A:VAL:HG21	1:177:A:PHE:HD1	6	0.3
(1,3888)	1:101:A:VAL:HG21	1:177:A:PHE:HD2	6	0.3
(1,3888)	1:101:A:VAL:HG22	1:177:A:PHE:HD1	6	0.3
(1,3888)	1:101:A:VAL:HG22	1:177:A:PHE:HD2	6	0.3
(1,3888)	1:101:A:VAL:HG23	1:177:A:PHE:HD1	6	0.3
(1,3888)	1:101:A:VAL:HG23	1:177:A:PHE:HD2	6	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	1	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	1	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	1	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	1	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	1	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	1	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	6	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	6	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	6	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	6	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	6	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	6	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	7	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	7	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	7	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	7	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	7	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	10	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	10	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	10	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	10	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	10	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	10	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	13	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	13	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	13	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	13	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	13	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	13	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	18	0.3
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	18	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	18	0.3
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	18	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	18	0.3
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	18	0.3
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	15	0.3
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	15	0.3
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	15	0.3
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	15	0.3
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	15	0.3
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	15	0.3
(1,3778)	1:106:A:ARG:HG2	1:107:A:THR:HB	15	0.3
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	16	0.3
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	16	0.3
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	16	0.3
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	16	0.3
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	16	0.3
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	16	0.3
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	16	0.3
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	16	0.3
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	16	0.3
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG11	2	0.3
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG12	2	0.3
(1,3635)	1:33:A:GLN:HB3	1:52:A:VAL:HG13	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	9	0.3
(1,3527)	1:176:A:HIS:HB2	1:178:A:LYS:HE2	11	0.3
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	5	0.3
(1,3469)	1:84:A:ASN:HB2	1:112:A:THR:HA	15	0.3
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	11	0.3
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	7	0.3
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	7	0.3
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	3	0.3
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	8	0.3
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	15	0.3
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	20	0.3
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	20	0.3
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	20	0.3
(1,2982)	1:16:A:VAL:HG21	1:18:A:ASN:HB2	16	0.3
(1,2982)	1:16:A:VAL:HG22	1:18:A:ASN:HB2	16	0.3
(1,2982)	1:16:A:VAL:HG23	1:18:A:ASN:HB2	16	0.3
(1,2923)	1:61:A:CYS:HB2	1:62:A:ASP:H	10	0.3
(1,2872)	1:149:A:ASN:HD22	1:178:A:LYS:HE2	8	0.3
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	12	0.3
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	12	0.3
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	12	0.3
(1,2761)	1:24:A:ASP:HB3	1:59:A:ASN:HD21	3	0.3
(1,2761)	1:24:A:ASP:HB3	1:59:A:ASN:HD21	7	0.3
(1,2761)	1:24:A:ASP:HB3	1:59:A:ASN:HD21	10	0.3
(1,2761)	1:24:A:ASP:HB3	1:59:A:ASN:HD21	14	0.3
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	5	0.3
(1,2728)	1:13:A:LYS:HB2	1:14:A:GLY:HA3	5	0.3
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB1	20	0.3
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB2	20	0.3
(1,2695)	1:164:A:GLY:HA3	1:166:A:ALA:HB3	20	0.3
(1,2540)	1:151:A:ASP:HB3	1:152:A:ALA:HA	6	0.3
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG11	5	0.3
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG12	5	0.3
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG13	5	0.3
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG11	4	0.3
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG12	4	0.3
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG13	4	0.3
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	3	0.3
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	3	0.3
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	3	0.3
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	12	0.3
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	12	0.3
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	12	0.3
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	12	0.3
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	12	0.3
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	12	0.3
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	12	0.3
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	12	0.3
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	15	0.3
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	15	0.3
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	15	0.3
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	16	0.3
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	16	0.3
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	16	0.3
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	10	0.3
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	10	0.3
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	10	0.3
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG11	20	0.3
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG12	20	0.3
(1,2067)	1:16:A:VAL:H	1:16:A:VAL:HG13	20	0.3
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG21	3	0.3
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG22	3	0.3
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG23	3	0.3
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG21	19	0.3
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG22	19	0.3
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG23	19	0.3
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	7	0.3
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	7	0.3
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	7	0.3
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	5	0.3
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	5	0.3
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	5	0.3
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	3	0.3
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	3	0.3
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	3	0.3
(1,1788)	1:71:A:VAL:HG21	1:157:A:GLN:H	11	0.3
(1,1788)	1:71:A:VAL:HG22	1:157:A:GLN:H	11	0.3
(1,1788)	1:71:A:VAL:HG23	1:157:A:GLN:H	11	0.3
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	14	0.3
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	14	0.3
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	14	0.3
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	11	0.3
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	11	0.3
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	15	0.3
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	15	0.3
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	15	0.3
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG11	4	0.3
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG12	4	0.3
(1,1693)	1:88:A:LEU:HD21	1:101:A:VAL:HG13	4	0.3
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG11	4	0.3
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG12	4	0.3
(1,1693)	1:88:A:LEU:HD22	1:101:A:VAL:HG13	4	0.3
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG11	4	0.3
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG12	4	0.3
(1,1693)	1:88:A:LEU:HD23	1:101:A:VAL:HG13	4	0.3
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	2	0.3
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	2	0.3
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	2	0.3
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	2	0.3
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	2	0.3
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	2	0.3
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	2	0.3
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	2	0.3
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	2	0.3
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	1	0.3
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	1	0.3
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	1	0.3
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	1	0.3
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	1	0.3
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	1	0.3
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	1	0.3
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	1	0.3
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	1	0.3
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	16	0.3
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	16	0.3
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	16	0.3
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	15	0.3
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	9	0.3
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	9	0.3
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	9	0.3
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	19	0.3
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	19	0.3
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	19	0.3
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	4	0.3
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	4	0.3
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	14	0.3
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	14	0.3
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	14	0.3
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	14	0.3
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	14	0.3
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	14	0.3
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	14	0.3
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	14	0.3
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	14	0.3
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	12	0.3
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	12	0.3
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	12	0.3
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	19	0.3
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	19	0.3
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	19	0.3
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	8	0.3
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG11	7	0.3
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG12	7	0.3
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG13	7	0.3
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	14	0.3
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	10	0.3
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	4	0.3
(1,560)	1:151:A:ASP:H	1:151:A:ASP:HB2	20	0.3
(1,498)	1:155:A:LYS:HB2	1:170:A:VAL:H	14	0.3
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	10	0.3
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	10	0.3
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	10	0.3
(1,454)	1:170:A:VAL:HG21	1:171:A:ASN:H	12	0.3
(1,454)	1:170:A:VAL:HG22	1:171:A:ASN:H	12	0.3
(1,454)	1:170:A:VAL:HG23	1:171:A:ASN:H	12	0.3
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	4	0.3
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	7	0.3
(1,56)	1:55:A:ASN:HB2	1:131:A:ILE:H	9	0.3
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	4	0.3
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	4	0.3
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	4	0.3
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	11	0.3
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	11	0.3
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	11	0.3
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	20	0.29
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	20	0.29
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	11	0.29
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	11	0.29
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	11	0.29
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	11	0.29
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	11	0.29
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	11	0.29
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	3	0.29
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	3	0.29
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	3	0.29
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	12	0.29
(1,3238)	1:30:A:GLN:HG3	1:176:A:HIS:H	3	0.29
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	17	0.29
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	17	0.29
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	17	0.29
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	7	0.29
(1,2923)	1:61:A:CYS:HB2	1:62:A:ASP:H	2	0.29
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	12	0.29
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	13	0.29
(1,2728)	1:13:A:LYS:HB2	1:14:A:GLY:HA3	2	0.29
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG21	20	0.29
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG22	20	0.29
(1,2721)	1:151:A:ASP:HB3	1:153:A:THR:HG23	20	0.29
(1,2576)	1:59:A:ASN:HA	1:129:A:ASN:HD21	10	0.29
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG11	14	0.29
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG12	14	0.29
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG13	14	0.29
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	6	0.29
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	6	0.29
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	6	0.29
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	6	0.29
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	6	0.29
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	6	0.29
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	6	0.29
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	6	0.29
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	6	0.29
(1,2211)	1:51:A:ALA:HB1	1:136:A:ARG:HD2	5	0.29
(1,2211)	1:51:A:ALA:HB2	1:136:A:ARG:HD2	5	0.29
(1,2211)	1:51:A:ALA:HB3	1:136:A:ARG:HD2	5	0.29
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	2	0.29
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	2	0.29
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	1	0.29
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	1	0.29
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	1	0.29
(1,2110)	1:156:A:VAL:HG21	1:158:A:TYR:H	7	0.29
(1,2110)	1:156:A:VAL:HG22	1:158:A:TYR:H	7	0.29
(1,2110)	1:156:A:VAL:HG23	1:158:A:TYR:H	7	0.29
(1,2090)	1:16:A:VAL:HG11	1:170:A:VAL:HB	14	0.29
(1,2090)	1:16:A:VAL:HG12	1:170:A:VAL:HB	14	0.29
(1,2090)	1:16:A:VAL:HG13	1:170:A:VAL:HB	14	0.29
(1,2066)	1:34:A:LEU:HA	1:52:A:VAL:HG21	6	0.29
(1,2066)	1:34:A:LEU:HA	1:52:A:VAL:HG22	6	0.29
(1,2066)	1:34:A:LEU:HA	1:52:A:VAL:HG23	6	0.29
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG21	17	0.29
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG22	17	0.29
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG23	17	0.29
(1,1971)	1:124:A:LEU:HD21	1:125:A:ASN:H	15	0.29
(1,1971)	1:124:A:LEU:HD22	1:125:A:ASN:H	15	0.29
(1,1971)	1:124:A:LEU:HD23	1:125:A:ASN:H	15	0.29
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	10	0.29
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	10	0.29
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	10	0.29
(1,1839)	1:28:A:VAL:HG11	1:174:A:THR:H	18	0.29
(1,1839)	1:28:A:VAL:HG12	1:174:A:THR:H	18	0.29
(1,1839)	1:28:A:VAL:HG13	1:174:A:THR:H	18	0.29
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	12	0.29
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	12	0.29
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	12	0.29
(1,1788)	1:71:A:VAL:HG21	1:157:A:GLN:H	5	0.29
(1,1788)	1:71:A:VAL:HG22	1:157:A:GLN:H	5	0.29
(1,1788)	1:71:A:VAL:HG23	1:157:A:GLN:H	5	0.29
(1,1744)	1:23:A:VAL:HG11	1:59:A:ASN:H	7	0.29
(1,1744)	1:23:A:VAL:HG12	1:59:A:ASN:H	7	0.29
(1,1744)	1:23:A:VAL:HG13	1:59:A:ASN:H	7	0.29
(1,1704)	1:23:A:VAL:HG21	1:24:A:ASP:H	6	0.29
(1,1704)	1:23:A:VAL:HG22	1:24:A:ASP:H	6	0.29
(1,1704)	1:23:A:VAL:HG23	1:24:A:ASP:H	6	0.29
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD11	18	0.29
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD12	18	0.29
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD13	18	0.29
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB1	19	0.29
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB2	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB3	19	0.29
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB1	19	0.29
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB2	19	0.29
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB3	19	0.29
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB1	19	0.29
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB2	19	0.29
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB3	19	0.29
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	15	0.29
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	15	0.29
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	15	0.29
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	15	0.29
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	15	0.29
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	15	0.29
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	15	0.29
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	15	0.29
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	15	0.29
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	14	0.29
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	14	0.29
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	14	0.29
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	12	0.29
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	14	0.29
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	14	0.29
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	14	0.29
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	14	0.29
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	14	0.29
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	14	0.29
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	7	0.29
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	7	0.29
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	7	0.29
(1,1106)	1:74:A:LEU:HB3	1:115:A:GLY:H	2	0.29
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	12	0.29
(1,1071)	1:86:A:LEU:HD21	1:153:A:THR:H	6	0.29
(1,1071)	1:86:A:LEU:HD22	1:153:A:THR:H	6	0.29
(1,1071)	1:86:A:LEU:HD23	1:153:A:THR:H	6	0.29
(1,985)	1:61:A:CYS:HB3	1:127:A:GLY:H	13	0.29
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	1	0.29
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	8	0.29
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG11	9	0.29
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG12	9	0.29
(1,771)	1:180:A:GLU:H	1:181:A:VAL:HG13	9	0.29
(1,737)	1:106:A:ARG:H	1:106:A:ARG:HB2	7	0.29
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:170:A:VAL:HG21	1:171:A:ASN:H	8	0.29
(1,454)	1:170:A:VAL:HG22	1:171:A:ASN:H	8	0.29
(1,454)	1:170:A:VAL:HG23	1:171:A:ASN:H	8	0.29
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	4	0.29
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	10	0.29
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	18	0.29
(1,62)	1:24:A:ASP:H	1:27:A:SER:HB3	4	0.29
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	2	0.29
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	15	0.29
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD1	12	0.28
(1,3884)	1:34:A:LEU:HD21	1:177:A:PHE:HD2	12	0.28
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD1	12	0.28
(1,3884)	1:34:A:LEU:HD22	1:177:A:PHE:HD2	12	0.28
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD1	12	0.28
(1,3884)	1:34:A:LEU:HD23	1:177:A:PHE:HD2	12	0.28
(1,3730)	1:106:A:ARG:H	1:111:A:LEU:HD11	18	0.28
(1,3730)	1:106:A:ARG:H	1:111:A:LEU:HD12	18	0.28
(1,3730)	1:106:A:ARG:H	1:111:A:LEU:HD13	18	0.28
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	15	0.28
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	15	0.28
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	15	0.28
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	15	0.28
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	15	0.28
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	15	0.28
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	15	0.28
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	15	0.28
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	15	0.28
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	2	0.28
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	19	0.28
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	19	0.28
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	19	0.28
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	1	0.28
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	1	0.28
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	1	0.28
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	14	0.28
(1,2884)	1:72:A:ALA:HB1	1:155:A:LYS:HE3	8	0.28
(1,2884)	1:72:A:ALA:HB2	1:155:A:LYS:HE3	8	0.28
(1,2884)	1:72:A:ALA:HB3	1:155:A:LYS:HE3	8	0.28
(1,2884)	1:72:A:ALA:HB1	1:155:A:LYS:HE3	19	0.28
(1,2884)	1:72:A:ALA:HB2	1:155:A:LYS:HE3	19	0.28
(1,2884)	1:72:A:ALA:HB3	1:155:A:LYS:HE3	19	0.28
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	5	0.28
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	8	0.28
(1,2726)	1:8:A:GLY:HA2	1:9:A:THR:H	4	0.28
(1,2718)	1:52:A:VAL:HG11	1:53:A:GLY:HA3	17	0.28
(1,2718)	1:52:A:VAL:HG12	1:53:A:GLY:HA3	17	0.28
(1,2718)	1:52:A:VAL:HG13	1:53:A:GLY:HA3	17	0.28
(1,2682)	1:162:A:GLY:HA2	1:164:A:GLY:H	7	0.28
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG11	12	0.28
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG12	12	0.28
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG13	12	0.28
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	18	0.28
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	18	0.28
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	18	0.28
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	18	0.28
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	7	0.28
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	7	0.28
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	7	0.28
(1,2122)	1:36:A:GLN:HA	1:180:A:GLU:HB2	15	0.28
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	15	0.28
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	15	0.28
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	15	0.28
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	15	0.28
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	15	0.28
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	15	0.28
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	15	0.28
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	15	0.28
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	15	0.28
(1,2079)	1:71:A:VAL:HG11	1:156:A:VAL:HG11	5	0.28
(1,2079)	1:71:A:VAL:HG11	1:156:A:VAL:HG12	5	0.28
(1,2079)	1:71:A:VAL:HG11	1:156:A:VAL:HG13	5	0.28
(1,2079)	1:71:A:VAL:HG12	1:156:A:VAL:HG11	5	0.28
(1,2079)	1:71:A:VAL:HG12	1:156:A:VAL:HG12	5	0.28
(1,2079)	1:71:A:VAL:HG12	1:156:A:VAL:HG13	5	0.28
(1,2079)	1:71:A:VAL:HG13	1:156:A:VAL:HG11	5	0.28
(1,2079)	1:71:A:VAL:HG13	1:156:A:VAL:HG12	5	0.28
(1,2079)	1:71:A:VAL:HG13	1:156:A:VAL:HG13	5	0.28
(1,2030)	1:159:A:GLN:HA	1:159:A:GLN:HG3	5	0.28
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	4	0.28
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	4	0.28
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	4	0.28
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	18	0.28
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	18	0.28
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	5	0.28
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	5	0.28
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	5	0.28
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	1	0.28
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	1	0.28
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	1	0.28
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	1	0.28
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	1	0.28
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	1	0.28
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	1	0.28
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	1	0.28
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	1	0.28
(1,1745)	1:23:A:VAL:HG11	1:172:A:GLY:HA2	8	0.28
(1,1745)	1:23:A:VAL:HG12	1:172:A:GLY:HA2	8	0.28
(1,1745)	1:23:A:VAL:HG13	1:172:A:GLY:HA2	8	0.28
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	8	0.28
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	8	0.28
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	8	0.28
(1,1704)	1:23:A:VAL:HG21	1:24:A:ASP:H	16	0.28
(1,1704)	1:23:A:VAL:HG22	1:24:A:ASP:H	16	0.28
(1,1704)	1:23:A:VAL:HG23	1:24:A:ASP:H	16	0.28
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	7	0.28
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	7	0.28
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	7	0.28
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	20	0.28
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	20	0.28
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	20	0.28
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG21	16	0.28
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG22	16	0.28
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG23	16	0.28
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	12	0.28
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	12	0.28
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	12	0.28
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	12	0.28
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	12	0.28
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	12	0.28
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	12	0.28
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	12	0.28
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	12	0.28
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	10	0.28
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	10	0.28
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	10	0.28
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	10	0.28
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	10	0.28
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	10	0.28
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	10	0.28
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	10	0.28
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	16	0.28
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	16	0.28
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	16	0.28
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	6	0.28
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	6	0.28
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	6	0.28
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	6	0.28
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	2	0.28
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	2	0.28
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	2	0.28
(1,1281)	1:34:A:LEU:HD21	1:101:A:VAL:HA	4	0.28
(1,1281)	1:34:A:LEU:HD22	1:101:A:VAL:HA	4	0.28
(1,1281)	1:34:A:LEU:HD23	1:101:A:VAL:HA	4	0.28
(1,1071)	1:86:A:LEU:HD21	1:153:A:THR:H	5	0.28
(1,1071)	1:86:A:LEU:HD22	1:153:A:THR:H	5	0.28
(1,1071)	1:86:A:LEU:HD23	1:153:A:THR:H	5	0.28
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	16	0.28
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	7	0.28
(1,764)	1:91:A:SER:H	1:91:A:SER:HB3	13	0.28
(1,762)	1:90:A:SER:HB3	1:91:A:SER:H	13	0.28
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	8	0.28
(1,686)	1:115:A:GLY:HA3	1:117:A:THR:H	13	0.28
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	15	0.28
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	15	0.28
(1,494)	1:14:A:GLY:HA2	1:15:A:GLU:H	1	0.28
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG11	19	0.28
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG12	19	0.28
(1,471)	1:20:A:ALA:H	1:170:A:VAL:HG13	19	0.28
(1,365)	1:137:A:TYR:HB2	1:138:A:PHE:H	15	0.28
(1,328)	1:149:A:ASN:HD22	1:150:A:ALA:H	6	0.28
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	6	0.28
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	12	0.28
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	19	0.28
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE1	4	0.27
(1,3898)	1:46:A:GLY:HA3	1:138:A:PHE:HE2	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	2	0.27
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	2	0.27
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	2	0.27
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	3	0.27
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	3	0.27
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	3	0.27
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	4	0.27
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	4	0.27
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	4	0.27
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	20	0.27
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD1	4	0.27
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD2	4	0.27
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD1	4	0.27
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD2	4	0.27
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD1	4	0.27
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD2	4	0.27
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	20	0.27
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	20	0.27
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	20	0.27
(1,3328)	1:62:A:ASP:HB2	1:65:A:VAL:HB	5	0.27
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	5	0.27
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	5	0.27
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	5	0.27
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	11	0.27
(1,2923)	1:61:A:CYS:HB2	1:62:A:ASP:H	17	0.27
(1,2884)	1:72:A:ALA:HB1	1:155:A:LYS:HE3	11	0.27
(1,2884)	1:72:A:ALA:HB2	1:155:A:LYS:HE3	11	0.27
(1,2884)	1:72:A:ALA:HB3	1:155:A:LYS:HE3	11	0.27
(1,2761)	1:24:A:ASP:HB3	1:59:A:ASN:HD21	17	0.27
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	18	0.27
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD11	18	0.27
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD12	18	0.27
(1,2748)	1:75:A:GLY:HA2	1:86:A:LEU:HD13	18	0.27
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	6	0.27
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	11	0.27
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	16	0.27
(1,2726)	1:8:A:GLY:HA2	1:9:A:THR:H	13	0.27
(1,2419)	1:129:A:ASN:HA	1:129:A:ASN:HD22	8	0.27
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	16	0.27
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	16	0.27
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	16	0.27
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	16	0.27
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	16	0.27
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	16	0.27
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	16	0.27
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	16	0.27
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	20	0.27
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	20	0.27
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	20	0.27
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	20	0.27
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	20	0.27
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	20	0.27
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	20	0.27
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	20	0.27
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	20	0.27
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	9	0.27
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	9	0.27
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	9	0.27
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	17	0.27
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	17	0.27
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	17	0.27
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	19	0.27
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	19	0.27
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	19	0.27
(1,1835)	1:22:A:ALA:HB1	1:59:A:ASN:HB3	11	0.27
(1,1835)	1:22:A:ALA:HB2	1:59:A:ASN:HB3	11	0.27
(1,1835)	1:22:A:ALA:HB3	1:59:A:ASN:HB3	11	0.27
(1,1788)	1:71:A:VAL:HG21	1:157:A:GLN:H	17	0.27
(1,1788)	1:71:A:VAL:HG22	1:157:A:GLN:H	17	0.27
(1,1788)	1:71:A:VAL:HG23	1:157:A:GLN:H	17	0.27
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	7	0.27
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	7	0.27
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	7	0.27
(1,1671)	1:42:A:LEU:HD11	1:49:A:SER:H	10	0.27
(1,1671)	1:42:A:LEU:HD12	1:49:A:SER:H	10	0.27
(1,1671)	1:42:A:LEU:HD13	1:49:A:SER:H	10	0.27
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	17	0.27
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	17	0.27
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	17	0.27
(1,1583)	1:111:A:LEU:HD21	1:119:A:SER:H	10	0.27
(1,1583)	1:111:A:LEU:HD22	1:119:A:SER:H	10	0.27
(1,1583)	1:111:A:LEU:HD23	1:119:A:SER:H	10	0.27
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	16	0.27
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	16	0.27
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	16	0.27
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	16	0.27
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	16	0.27
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	16	0.27
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	16	0.27
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	16	0.27
(1,1435)	1:39:A:THR:HG21	1:145:A:PRO:HG2	2	0.27
(1,1435)	1:39:A:THR:HG22	1:145:A:PRO:HG2	2	0.27
(1,1435)	1:39:A:THR:HG23	1:145:A:PRO:HG2	2	0.27
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	14	0.27
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	14	0.27
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	14	0.27
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	3	0.27
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	3	0.27
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	3	0.27
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	3	0.27
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	3	0.27
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	3	0.27
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	13	0.27
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	13	0.27
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	13	0.27
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	13	0.27
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	13	0.27
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	13	0.27
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	6	0.27
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	6	0.27
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	6	0.27
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	16	0.27
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	16	0.27
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	16	0.27
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG21	13	0.27
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG22	13	0.27
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG23	13	0.27
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	16	0.27
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	20	0.27
(1,1071)	1:86:A:LEU:HD21	1:153:A:THR:H	11	0.27
(1,1071)	1:86:A:LEU:HD22	1:153:A:THR:H	11	0.27
(1,1071)	1:86:A:LEU:HD23	1:153:A:THR:H	11	0.27
(1,762)	1:90:A:SER:HB3	1:91:A:SER:H	2	0.27
(1,737)	1:106:A:ARG:H	1:106:A:ARG:HB2	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	3	0.27
(1,573)	1:91:A:SER:HB2	1:93:A:ALA:H	11	0.27
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	6	0.27
(1,374)	1:12:A:PHE:H	1:12:A:PHE:HB3	10	0.27
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD11	2	0.27
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD12	2	0.27
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD13	2	0.27
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	5	0.27
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	13	0.27
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	17	0.27
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	3	0.26
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	3	0.26
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	3	0.26
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	17	0.26
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	17	0.26
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	17	0.26
(1,3775)	1:106:A:ARG:HG3	1:120:A:SER:HB2	7	0.26
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	10	0.26
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	10	0.26
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	10	0.26
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	15	0.26
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	15	0.26
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	15	0.26
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	19	0.26
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	19	0.26
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	19	0.26
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	13	0.26
(1,3631)	1:145:A:PRO:HG3	1:146:A:GLY:H	1	0.26
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	12	0.26
(1,3328)	1:62:A:ASP:HB2	1:65:A:VAL:HB	1	0.26
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	5	0.26
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	5	0.26
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	20	0.26
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	20	0.26
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	9	0.26
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	11	0.26
(1,2923)	1:61:A:CYS:HB2	1:62:A:ASP:H	18	0.26
(1,2857)	1:105:A:ASP:HB2	1:111:A:LEU:HG	10	0.26
(1,2780)	1:33:A:GLN:HB2	1:35:A:GLY:HA2	16	0.26
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	1	0.26
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	15	0.26
(1,2718)	1:52:A:VAL:HG11	1:53:A:GLY:HA3	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:52:A:VAL:HG12	1:53:A:GLY:HA3	6	0.26
(1,2718)	1:52:A:VAL:HG13	1:53:A:GLY:HA3	6	0.26
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	5	0.26
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	5	0.26
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	5	0.26
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	14	0.26
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	14	0.26
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	14	0.26
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	14	0.26
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	14	0.26
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	14	0.26
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	7	0.26
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	7	0.26
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	7	0.26
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	10	0.26
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	10	0.26
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	10	0.26
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	18	0.26
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	18	0.26
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	18	0.26
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	20	0.26
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	20	0.26
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	20	0.26
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	6	0.26
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	6	0.26
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	6	0.26
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	6	0.26
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	6	0.26
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	6	0.26
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	6	0.26
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	6	0.26
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	6	0.26
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	10	0.26
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	10	0.26
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	10	0.26
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	10	0.26
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	10	0.26
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	10	0.26
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	10	0.26
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	10	0.26
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	10	0.26
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	12	0.26
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	12	0.26
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD21	20	0.26
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD22	20	0.26
(1,1521)	1:58:A:LEU:HA	1:58:A:LEU:HD23	20	0.26
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	6	0.26
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	6	0.26
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	6	0.26
(1,1472)	1:34:A:LEU:HD11	1:137:A:TYR:H	8	0.26
(1,1472)	1:34:A:LEU:HD12	1:137:A:TYR:H	8	0.26
(1,1472)	1:34:A:LEU:HD13	1:137:A:TYR:H	8	0.26
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD1	15	0.26
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD2	15	0.26
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD1	15	0.26
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD2	15	0.26
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD1	15	0.26
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD2	15	0.26
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	4	0.26
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	4	0.26
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	4	0.26
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	4	0.26
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	4	0.26
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	4	0.26
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG21	5	0.26
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG22	5	0.26
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG23	5	0.26
(1,1080)	1:107:A:THR:H	1:108:A:GLY:HA3	12	0.26
(1,826)	1:82:A:HIS:HB2	1:84:A:ASN:H	19	0.26
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	17	0.26
(1,762)	1:90:A:SER:HB3	1:91:A:SER:H	3	0.26
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	1	0.26
(1,365)	1:137:A:TYR:HB2	1:138:A:PHE:H	11	0.26
(1,365)	1:137:A:TYR:HB2	1:138:A:PHE:H	19	0.26
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD21	2	0.26
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD22	2	0.26
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD23	2	0.26
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG11	20	0.26
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG12	20	0.26
(1,126)	1:96:A:ALA:H	1:181:A:VAL:HG13	20	0.26
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	20	0.26
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	13	0.26
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	13	0.26
(1,3940)	1:175:A:VAL:HG21	1:177:A:PHE:HZ	4	0.25
(1,3940)	1:175:A:VAL:HG22	1:177:A:PHE:HZ	4	0.25
(1,3940)	1:175:A:VAL:HG23	1:177:A:PHE:HZ	4	0.25
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	16	0.25
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	16	0.25
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	17	0.25
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	17	0.25
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	17	0.25
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	1	0.25
(1,3540)	1:45:A:GLU:HB2	1:47:A:ALA:H	6	0.25
(1,3382)	1:95:A:SER:HB2	1:96:A:ALA:HB1	17	0.25
(1,3382)	1:95:A:SER:HB2	1:96:A:ALA:HB2	17	0.25
(1,3382)	1:95:A:SER:HB2	1:96:A:ALA:HB3	17	0.25
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	8	0.25
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	16	0.25
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	19	0.25
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	16	0.25
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	16	0.25
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	9	0.25
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	9	0.25
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	9	0.25
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	7	0.25
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	7	0.25
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	7	0.25
(1,3042)	1:155:A:LYS:HB2	1:172:A:GLY:H	3	0.25
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	4	0.25
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	4	0.25
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	4	0.25
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	16	0.25
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	16	0.25
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	16	0.25
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	3	0.25
(1,2923)	1:61:A:CYS:HB2	1:62:A:ASP:H	5	0.25
(1,2923)	1:61:A:CYS:HB2	1:62:A:ASP:H	13	0.25
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD21	9	0.25
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD22	9	0.25
(1,2813)	1:58:A:LEU:HB2	1:124:A:LEU:HD23	9	0.25
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	17	0.25
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	19	0.25
(1,2787)	1:46:A:GLY:HA3	1:138:A:PHE:HD1	16	0.25
(1,2787)	1:46:A:GLY:HA3	1:138:A:PHE:HD2	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	5	0.25
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	11	0.25
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	18	0.25
(1,2481)	1:34:A:LEU:HD11	1:51:A:ALA:HA	18	0.25
(1,2481)	1:34:A:LEU:HD12	1:51:A:ALA:HA	18	0.25
(1,2481)	1:34:A:LEU:HD13	1:51:A:ALA:HA	18	0.25
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG21	2	0.25
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG22	2	0.25
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG23	2	0.25
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG21	2	0.25
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG22	2	0.25
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG23	2	0.25
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG21	2	0.25
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG22	2	0.25
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG23	2	0.25
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG21	19	0.25
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG22	19	0.25
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG23	19	0.25
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG21	19	0.25
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG22	19	0.25
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG23	19	0.25
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG21	19	0.25
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG22	19	0.25
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG23	19	0.25
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG11	20	0.25
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG12	20	0.25
(1,2179)	1:32:A:VAL:HG11	1:52:A:VAL:HG13	20	0.25
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG11	20	0.25
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG12	20	0.25
(1,2179)	1:32:A:VAL:HG12	1:52:A:VAL:HG13	20	0.25
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG11	20	0.25
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG12	20	0.25
(1,2179)	1:32:A:VAL:HG13	1:52:A:VAL:HG13	20	0.25
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	3	0.25
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	3	0.25
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	3	0.25
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	2	0.25
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	2	0.25
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	2	0.25
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG11	8	0.25
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG12	8	0.25
(1,2118)	1:156:A:VAL:HG21	1:170:A:VAL:HG13	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG11	8	0.25
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG12	8	0.25
(1,2118)	1:156:A:VAL:HG22	1:170:A:VAL:HG13	8	0.25
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG11	8	0.25
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG12	8	0.25
(1,2118)	1:156:A:VAL:HG23	1:170:A:VAL:HG13	8	0.25
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	8	0.25
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	8	0.25
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	8	0.25
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	9	0.25
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	9	0.25
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	9	0.25
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	13	0.25
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	13	0.25
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	13	0.25
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	18	0.25
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	18	0.25
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	18	0.25
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	5	0.25
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	5	0.25
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	5	0.25
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	20	0.25
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	20	0.25
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	20	0.25
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	2	0.25
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	2	0.25
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	2	0.25
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	13	0.25
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	13	0.25
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	13	0.25
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	13	0.25
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	13	0.25
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	13	0.25
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	13	0.25
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	13	0.25
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	13	0.25
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB1	19	0.25
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB2	19	0.25
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB3	19	0.25
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB1	19	0.25
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB2	19	0.25
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB3	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB1	19	0.25
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB2	19	0.25
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB3	19	0.25
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	7	0.25
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	7	0.25
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	7	0.25
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	15	0.25
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	15	0.25
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	15	0.25
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG21	3	0.25
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG22	3	0.25
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG23	3	0.25
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG21	3	0.25
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG22	3	0.25
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG23	3	0.25
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG21	3	0.25
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG22	3	0.25
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG23	3	0.25
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD11	10	0.25
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD12	10	0.25
(1,1313)	1:66:A:ALA:HB1	1:124:A:LEU:HD13	10	0.25
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD11	10	0.25
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD12	10	0.25
(1,1313)	1:66:A:ALA:HB2	1:124:A:LEU:HD13	10	0.25
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD11	10	0.25
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD12	10	0.25
(1,1313)	1:66:A:ALA:HB3	1:124:A:LEU:HD13	10	0.25
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	12	0.25
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	12	0.25
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	12	0.25
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	19	0.25
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	19	0.25
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	19	0.25
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	11	0.25
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	11	0.25
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	11	0.25
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	15	0.25
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	15	0.25
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	15	0.25
(1,1106)	1:74:A:LEU:HB3	1:115:A:GLY:H	3	0.25
(1,1080)	1:107:A:THR:H	1:108:A:GLY:HA3	19	0.25
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	14	0.25
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	13	0.25
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	3	0.25
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	7	0.25
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	14	0.25
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	2	0.25
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	10	0.25
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	4	0.25
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD21	7	0.25
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD22	7	0.25
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD23	7	0.25
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	16	0.25
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	16	0.25
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	16	0.25
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	9	0.24
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	9	0.24
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	9	0.24
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	9	0.24
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	9	0.24
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	9	0.24
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	15	0.24
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	15	0.24
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	15	0.24
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	6	0.24
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	6	0.24
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	6	0.24
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	7	0.24
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	7	0.24
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	7	0.24
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	8	0.24
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	14	0.24
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	19	0.24
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	20	0.24
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	20	0.24
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	20	0.24
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	20	0.24
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	20	0.24
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	20	0.24
(1,3580)	1:168:A:THR:HA	1:170:A:VAL:HG21	11	0.24
(1,3580)	1:168:A:THR:HA	1:170:A:VAL:HG22	11	0.24
(1,3580)	1:168:A:THR:HA	1:170:A:VAL:HG23	11	0.24
(1,3540)	1:45:A:GLU:HB2	1:47:A:ALA:H	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	8	0.24
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	8	0.24
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	8	0.24
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	1	0.24
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	1	0.24
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	4	0.24
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	4	0.24
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	15	0.24
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	15	0.24
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	15	0.24
(1,3042)	1:155:A:LYS:HB2	1:172:A:GLY:H	17	0.24
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	3	0.24
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	3	0.24
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	3	0.24
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	9	0.24
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	9	0.24
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	9	0.24
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	11	0.24
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	11	0.24
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	11	0.24
(1,2924)	1:59:A:ASN:HB2	1:128:A:THR:HA	8	0.24
(1,2886)	1:155:A:LYS:HE2	1:171:A:ASN:HA	19	0.24
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	5	0.24
(1,2780)	1:33:A:GLN:HB2	1:35:A:GLY:HA2	2	0.24
(1,2761)	1:24:A:ASP:HB3	1:59:A:ASN:HD21	12	0.24
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	16	0.24
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	7	0.24
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	17	0.24
(1,2702)	1:159:A:GLN:HG2	1:160:A:GLY:HA3	2	0.24
(1,2572)	1:125:A:ASN:HA	1:129:A:ASN:HD22	10	0.24
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	15	0.24
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	15	0.24
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	15	0.24
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	10	0.24
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	10	0.24
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	10	0.24
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG21	7	0.24
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG22	7	0.24
(1,2180)	1:32:A:VAL:HG11	1:175:A:VAL:HG23	7	0.24
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG21	7	0.24
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG22	7	0.24
(1,2180)	1:32:A:VAL:HG12	1:175:A:VAL:HG23	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG21	7	0.24
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG22	7	0.24
(1,2180)	1:32:A:VAL:HG13	1:175:A:VAL:HG23	7	0.24
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	4	0.24
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	4	0.24
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	4	0.24
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	8	0.24
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	8	0.24
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	8	0.24
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	11	0.24
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	11	0.24
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	11	0.24
(1,2030)	1:159:A:GLN:HA	1:159:A:GLN:HG3	13	0.24
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	10	0.24
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	10	0.24
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	10	0.24
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	16	0.24
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	16	0.24
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	16	0.24
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	4	0.24
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	4	0.24
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	4	0.24
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG21	14	0.24
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG22	14	0.24
(1,1853)	1:62:A:ASP:H	1:65:A:VAL:HG23	14	0.24
(1,1826)	1:89:A:GLN:HA	1:90:A:SER:HB2	4	0.24
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	9	0.24
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	9	0.24
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	9	0.24
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG21	8	0.24
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG22	8	0.24
(1,1793)	1:71:A:VAL:HG21	1:156:A:VAL:HG23	8	0.24
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG21	8	0.24
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG22	8	0.24
(1,1793)	1:71:A:VAL:HG22	1:156:A:VAL:HG23	8	0.24
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG21	8	0.24
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG22	8	0.24
(1,1793)	1:71:A:VAL:HG23	1:156:A:VAL:HG23	8	0.24
(1,1788)	1:71:A:VAL:HG21	1:157:A:GLN:H	10	0.24
(1,1788)	1:71:A:VAL:HG22	1:157:A:GLN:H	10	0.24
(1,1788)	1:71:A:VAL:HG23	1:157:A:GLN:H	10	0.24
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	3	0.24
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	3	0.24
(1,1720)	1:24:A:ASP:HA	1:59:A:ASN:HB2	15	0.24
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	11	0.24
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	11	0.24
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	11	0.24
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD11	9	0.24
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD12	9	0.24
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD13	9	0.24
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD21	9	0.24
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD22	9	0.24
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD23	9	0.24
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD11	9	0.24
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD12	9	0.24
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD13	9	0.24
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD21	9	0.24
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD22	9	0.24
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD23	9	0.24
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD11	9	0.24
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD12	9	0.24
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD13	9	0.24
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD21	9	0.24
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD22	9	0.24
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD23	9	0.24
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	9	0.24
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	9	0.24
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	9	0.24
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	20	0.24
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	20	0.24
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	20	0.24
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	20	0.24
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	20	0.24
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	20	0.24
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	20	0.24
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	20	0.24
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	20	0.24
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD21	11	0.24
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD22	11	0.24
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD23	11	0.24
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD21	11	0.24
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD22	11	0.24
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD23	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD21	11	0.24
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD22	11	0.24
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD23	11	0.24
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	8	0.24
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	8	0.24
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	8	0.24
(1,1316)	1:27:A:SER:HA	1:30:A:GLN:HG3	18	0.24
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD11	10	0.24
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD12	10	0.24
(1,1310)	1:67:A:SER:HA	1:124:A:LEU:HD13	10	0.24
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD1	9	0.24
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD2	9	0.24
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD1	9	0.24
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD2	9	0.24
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD1	9	0.24
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD2	9	0.24
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD1	10	0.24
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD2	10	0.24
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD1	10	0.24
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD2	10	0.24
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD1	10	0.24
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD2	10	0.24
(1,1297)	1:120:A:SER:HA	1:121:A:GLU:HG3	18	0.24
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	20	0.24
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	20	0.24
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	20	0.24
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	17	0.24
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	17	0.24
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	17	0.24
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	11	0.24
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	19	0.24
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	16	0.24
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	19	0.24
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	7	0.24
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	8	0.24
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	10	0.24
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD21	16	0.24
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD22	16	0.24
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD23	16	0.24
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	11	0.23
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	11	0.23
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	11	0.23
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	11	0.23
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	11	0.23
(1,3788)	1:74:A:LEU:HD11	1:155:A:LYS:HE3	12	0.23
(1,3788)	1:74:A:LEU:HD12	1:155:A:LYS:HE3	12	0.23
(1,3788)	1:74:A:LEU:HD13	1:155:A:LYS:HE3	12	0.23
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	20	0.23
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	20	0.23
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	20	0.23
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	11	0.23
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	11	0.23
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	11	0.23
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	11	0.23
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	11	0.23
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	11	0.23
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	11	0.23
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	11	0.23
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	11	0.23
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	14	0.23
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	14	0.23
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	14	0.23
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	14	0.23
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	14	0.23
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	14	0.23
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	14	0.23
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	14	0.23
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	14	0.23
(1,3398)	1:28:A:VAL:HA	1:173:A:GLY:HA2	14	0.23
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	3	0.23
(1,3342)	1:23:A:VAL:HG21	1:27:A:SER:HB2	7	0.23
(1,3342)	1:23:A:VAL:HG22	1:27:A:SER:HB2	7	0.23
(1,3342)	1:23:A:VAL:HG23	1:27:A:SER:HB2	7	0.23
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	4	0.23
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	4	0.23
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	4	0.23
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	9	0.23
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	9	0.23
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	9	0.23
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	14	0.23
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	14	0.23
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	14	0.23
(1,3265)	1:39:A:THR:HB	1:145:A:PRO:HD2	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3169)	1:104:A:LEU:HD21	1:134:A:GLN:HB2	20	0.23
(1,3169)	1:104:A:LEU:HD22	1:134:A:GLN:HB2	20	0.23
(1,3169)	1:104:A:LEU:HD23	1:134:A:GLN:HB2	20	0.23
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	11	0.23
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	11	0.23
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	11	0.23
(1,3162)	1:104:A:LEU:HB3	1:134:A:GLN:HB3	20	0.23
(1,3058)	1:121:A:GLU:HG2	1:122:A:THR:H	18	0.23
(1,2924)	1:59:A:ASN:HB2	1:128:A:THR:HA	9	0.23
(1,2923)	1:61:A:CYS:HB2	1:62:A:ASP:H	9	0.23
(1,2912)	1:62:A:ASP:HB2	1:65:A:VAL:H	19	0.23
(1,2780)	1:33:A:GLN:HB2	1:35:A:GLY:HA2	4	0.23
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	4	0.23
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG11	3	0.23
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG12	3	0.23
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG13	3	0.23
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB1	13	0.23
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB2	13	0.23
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB3	13	0.23
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG21	5	0.23
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG22	5	0.23
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG23	5	0.23
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG21	5	0.23
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG22	5	0.23
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG23	5	0.23
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG21	5	0.23
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG22	5	0.23
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG23	5	0.23
(1,2334)	1:170:A:VAL:HG11	1:171:A:ASN:HA	11	0.23
(1,2334)	1:170:A:VAL:HG12	1:171:A:ASN:HA	11	0.23
(1,2334)	1:170:A:VAL:HG13	1:171:A:ASN:HA	11	0.23
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	13	0.23
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	13	0.23
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	13	0.23
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG21	6	0.23
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG22	6	0.23
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG23	6	0.23
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	11	0.23
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	11	0.23
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	11	0.23
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	17	0.23
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	17	0.23
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	17	0.23
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	17	0.23
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	17	0.23
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	17	0.23
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	17	0.23
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	17	0.23
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	17	0.23
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	17	0.23
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	17	0.23
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	11	0.23
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	11	0.23
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	11	0.23
(1,1720)	1:24:A:ASP:HA	1:59:A:ASN:HB2	7	0.23
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	4	0.23
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	4	0.23
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	4	0.23
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	6	0.23
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	6	0.23
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	6	0.23
(1,1619)	1:84:A:ASN:HB2	1:112:A:THR:HG21	5	0.23
(1,1619)	1:84:A:ASN:HB2	1:112:A:THR:HG22	5	0.23
(1,1619)	1:84:A:ASN:HB2	1:112:A:THR:HG23	5	0.23
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB1	7	0.23
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB2	7	0.23
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB3	7	0.23
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB1	7	0.23
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB2	7	0.23
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB3	7	0.23
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB1	7	0.23
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB2	7	0.23
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB3	7	0.23
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	2	0.23
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	2	0.23
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	2	0.23
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	2	0.23
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	2	0.23
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	2	0.23
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	2	0.23
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	2	0.23
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	2	0.23
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	17	0.23
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	17	0.23
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	17	0.23
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	17	0.23
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	17	0.23
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	17	0.23
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	17	0.23
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	17	0.23
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	3	0.23
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	3	0.23
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	3	0.23
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	3	0.23
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	3	0.23
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	3	0.23
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	1	0.23
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	1	0.23
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	1	0.23
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	13	0.23
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	13	0.23
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	13	0.23
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	15	0.23
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	15	0.23
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	15	0.23
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	6	0.23
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	6	0.23
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	6	0.23
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	6	0.23
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	6	0.23
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	6	0.23
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	6	0.23
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	6	0.23
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	6	0.23
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	1	0.23
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	1	0.23
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	1	0.23
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	7	0.23
(1,957)	1:155:A:LYS:HE2	1:171:A:ASN:HD21	8	0.23
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	3	0.23
(1,764)	1:91:A:SER:H	1:91:A:SER:HB3	5	0.23
(1,737)	1:106:A:ARG:H	1:106:A:ARG:HB2	8	0.23
(1,528)	1:126:A:ASN:H	1:126:A:ASN:HB2	7	0.23
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG11	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG12	4	0.23
(1,491)	1:155:A:LYS:H	1:156:A:VAL:HG13	4	0.23
(1,365)	1:137:A:TYR:HB2	1:138:A:PHE:H	1	0.23
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD11	16	0.23
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD12	16	0.23
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD13	16	0.23
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	2	0.23
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	3	0.23
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	1	0.22
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	1	0.22
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	11	0.22
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	11	0.22
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	11	0.22
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	11	0.22
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	11	0.22
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	11	0.22
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	11	0.22
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	2	0.22
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	4	0.22
(1,3283)	1:70:A:ALA:H	1:159:A:GLN:HG3	13	0.22
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	3	0.22
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	3	0.22
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	3	0.22
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	15	0.22
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	15	0.22
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	15	0.22
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	20	0.22
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	20	0.22
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	20	0.22
(1,3169)	1:104:A:LEU:HD21	1:134:A:GLN:HB2	10	0.22
(1,3169)	1:104:A:LEU:HD22	1:134:A:GLN:HB2	10	0.22
(1,3169)	1:104:A:LEU:HD23	1:134:A:GLN:HB2	10	0.22
(1,3165)	1:102:A:GLN:HG2	1:138:A:PHE:HB2	2	0.22
(1,3058)	1:121:A:GLU:HG2	1:122:A:THR:H	9	0.22
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	14	0.22
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	14	0.22
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	14	0.22
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	13	0.22
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	19	0.22
(1,2711)	1:74:A:LEU:H	1:74:A:LEU:HB2	10	0.22
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG11	1	0.22
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG12	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG13	1	0.22
(1,2030)	1:159:A:GLN:HA	1:159:A:GLN:HG3	3	0.22
(1,2030)	1:159:A:GLN:HA	1:159:A:GLN:HG3	11	0.22
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	12	0.22
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	12	0.22
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	12	0.22
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	6	0.22
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	6	0.22
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	6	0.22
(1,1839)	1:28:A:VAL:HG11	1:174:A:THR:H	10	0.22
(1,1839)	1:28:A:VAL:HG12	1:174:A:THR:H	10	0.22
(1,1839)	1:28:A:VAL:HG13	1:174:A:THR:H	10	0.22
(1,1833)	1:22:A:ALA:HB1	1:59:A:ASN:HD22	5	0.22
(1,1833)	1:22:A:ALA:HB2	1:59:A:ASN:HD22	5	0.22
(1,1833)	1:22:A:ALA:HB3	1:59:A:ASN:HD22	5	0.22
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	17	0.22
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	17	0.22
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	17	0.22
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	10	0.22
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	10	0.22
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	10	0.22
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	6	0.22
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	6	0.22
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	6	0.22
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	6	0.22
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	6	0.22
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	6	0.22
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	6	0.22
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	6	0.22
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	6	0.22
(1,1747)	1:23:A:VAL:HG11	1:172:A:GLY:HA3	5	0.22
(1,1747)	1:23:A:VAL:HG12	1:172:A:GLY:HA3	5	0.22
(1,1747)	1:23:A:VAL:HG13	1:172:A:GLY:HA3	5	0.22
(1,1725)	1:59:A:ASN:HB2	1:128:A:THR:HG21	1	0.22
(1,1725)	1:59:A:ASN:HB2	1:128:A:THR:HG22	1	0.22
(1,1725)	1:59:A:ASN:HB2	1:128:A:THR:HG23	1	0.22
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	10	0.22
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	10	0.22
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	10	0.22
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	8	0.22
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	8	0.22
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	19	0.22
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	19	0.22
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	19	0.22
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB1	6	0.22
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB2	6	0.22
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB3	6	0.22
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB1	6	0.22
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB2	6	0.22
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB3	6	0.22
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB1	6	0.22
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB2	6	0.22
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB3	6	0.22
(1,1435)	1:39:A:THR:HG21	1:145:A:PRO:HG2	20	0.22
(1,1435)	1:39:A:THR:HG22	1:145:A:PRO:HG2	20	0.22
(1,1435)	1:39:A:THR:HG23	1:145:A:PRO:HG2	20	0.22
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	6	0.22
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	19	0.22
(1,764)	1:91:A:SER:H	1:91:A:SER:HB3	14	0.22
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD11	4	0.22
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD12	4	0.22
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD13	4	0.22
(1,62)	1:24:A:ASP:H	1:27:A:SER:HB3	5	0.22
(1,49)	1:23:A:VAL:HG21	1:57:A:GLN:H	3	0.22
(1,49)	1:23:A:VAL:HG22	1:57:A:GLN:H	3	0.22
(1,49)	1:23:A:VAL:HG23	1:57:A:GLN:H	3	0.22
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	6	0.21
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	6	0.21
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	6	0.21
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	6	0.21
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	6	0.21
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	6	0.21
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	13	0.21
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	13	0.21
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	13	0.21
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	16	0.21
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	16	0.21
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	16	0.21
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	17	0.21
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	14	0.21
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	14	0.21
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	14	0.21
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	14	0.21
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	14	0.21
(1,3540)	1:45:A:GLU:HB2	1:47:A:ALA:H	1	0.21
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	8	0.21
(1,3469)	1:84:A:ASN:HB2	1:112:A:THR:HA	6	0.21
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	14	0.21
(1,3342)	1:23:A:VAL:HG21	1:27:A:SER:HB2	14	0.21
(1,3342)	1:23:A:VAL:HG22	1:27:A:SER:HB2	14	0.21
(1,3342)	1:23:A:VAL:HG23	1:27:A:SER:HB2	14	0.21
(1,3324)	1:71:A:VAL:H	1:119:A:SER:HB3	10	0.21
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	2	0.21
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	2	0.21
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	2	0.21
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	5	0.21
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	5	0.21
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	5	0.21
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	6	0.21
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	6	0.21
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	6	0.21
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	4	0.21
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	4	0.21
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	4	0.21
(1,3055)	1:70:A:ALA:HB1	1:121:A:GLU:HG3	10	0.21
(1,3055)	1:70:A:ALA:HB2	1:121:A:GLU:HG3	10	0.21
(1,3055)	1:70:A:ALA:HB3	1:121:A:GLU:HG3	10	0.21
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	1	0.21
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	4	0.21
(1,2886)	1:155:A:LYS:HE2	1:171:A:ASN:HA	8	0.21
(1,2865)	1:149:A:ASN:HD22	1:178:A:LYS:HE3	3	0.21
(1,2865)	1:149:A:ASN:HD21	1:178:A:LYS:HE3	3	0.21
(1,2791)	1:45:A:GLU:HG3	1:46:A:GLY:HA2	10	0.21
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	1	0.21
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	14	0.21
(1,2726)	1:8:A:GLY:HA2	1:9:A:THR:H	12	0.21
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD11	6	0.21
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD12	6	0.21
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD13	6	0.21
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD11	6	0.21
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD12	6	0.21
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD13	6	0.21
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD11	6	0.21
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD12	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD13	6	0.21
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG11	8	0.21
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG12	8	0.21
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG13	8	0.21
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	19	0.21
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	19	0.21
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	19	0.21
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	3	0.21
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	3	0.21
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	3	0.21
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	12	0.21
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	12	0.21
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	12	0.21
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG11	3	0.21
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG12	3	0.21
(1,2070)	1:15:A:GLU:HB2	1:16:A:VAL:HG13	3	0.21
(1,2030)	1:159:A:GLN:HA	1:159:A:GLN:HG3	2	0.21
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	9	0.21
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	9	0.21
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	9	0.21
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG11	17	0.21
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG12	17	0.21
(1,1993)	1:153:A:THR:HA	1:175:A:VAL:HG13	17	0.21
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	1	0.21
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	1	0.21
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	1	0.21
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	2	0.21
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	2	0.21
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	2	0.21
(1,1844)	1:28:A:VAL:HG11	1:173:A:GLY:HA2	6	0.21
(1,1844)	1:28:A:VAL:HG12	1:173:A:GLY:HA2	6	0.21
(1,1844)	1:28:A:VAL:HG13	1:173:A:GLY:HA2	6	0.21
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	1	0.21
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	1	0.21
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	1	0.21
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	14	0.21
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	14	0.21
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	14	0.21
(1,1704)	1:23:A:VAL:HG21	1:24:A:ASP:H	15	0.21
(1,1704)	1:23:A:VAL:HG22	1:24:A:ASP:H	15	0.21
(1,1704)	1:23:A:VAL:HG23	1:24:A:ASP:H	15	0.21
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	14	0.21
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	14	0.21
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	7	0.21
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	7	0.21
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	7	0.21
(1,1472)	1:34:A:LEU:HD11	1:137:A:TYR:H	17	0.21
(1,1472)	1:34:A:LEU:HD12	1:137:A:TYR:H	17	0.21
(1,1472)	1:34:A:LEU:HD13	1:137:A:TYR:H	17	0.21
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	2	0.21
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	17	0.21
(1,1383)	1:103:A:ILE:HA	1:104:A:LEU:HD21	12	0.21
(1,1383)	1:103:A:ILE:HA	1:104:A:LEU:HD22	12	0.21
(1,1383)	1:103:A:ILE:HA	1:104:A:LEU:HD23	12	0.21
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG21	8	0.21
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG22	8	0.21
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG23	8	0.21
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG21	8	0.21
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG22	8	0.21
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG23	8	0.21
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG21	8	0.21
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG22	8	0.21
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG23	8	0.21
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	6	0.21
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	6	0.21
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	6	0.21
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	15	0.21
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	15	0.21
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	15	0.21
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	15	0.21
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	15	0.21
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	15	0.21
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	15	0.21
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	15	0.21
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	15	0.21
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	2	0.21
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	2	0.21
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	2	0.21
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	2	0.21
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	2	0.21
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	2	0.21
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	15	0.21
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	11	0.21
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	2	0.21
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	7	0.21
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD11	3	0.21
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD12	3	0.21
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD13	3	0.21
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD11	20	0.21
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD12	20	0.21
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD13	20	0.21
(1,158)	1:84:A:ASN:HB2	1:113:A:LEU:H	19	0.21
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	1	0.21
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	3	0.21
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	11	0.2
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	11	0.2
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	11	0.2
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	20	0.2
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	20	0.2
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	20	0.2
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE1	18	0.2
(1,3611)	1:42:A:LEU:HD21	1:137:A:TYR:HE2	18	0.2
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE1	18	0.2
(1,3611)	1:42:A:LEU:HD22	1:137:A:TYR:HE2	18	0.2
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE1	18	0.2
(1,3611)	1:42:A:LEU:HD23	1:137:A:TYR:HE2	18	0.2
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD1	10	0.2
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD2	10	0.2
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD1	10	0.2
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD2	10	0.2
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD1	10	0.2
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD2	10	0.2
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG11	12	0.2
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG12	12	0.2
(1,3553)	1:38:A:ARG:HG2	1:182:A:VAL:HG13	12	0.2
(1,3540)	1:45:A:GLU:HB2	1:47:A:ALA:H	2	0.2
(1,3516)	1:107:A:THR:HG21	1:120:A:SER:HB3	12	0.2
(1,3516)	1:107:A:THR:HG22	1:120:A:SER:HB3	12	0.2
(1,3516)	1:107:A:THR:HG23	1:120:A:SER:HB3	12	0.2
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	3	0.2
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	7	0.2
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	7	0.2
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	7	0.2
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	11	0.2
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	2	0.2
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	2	0.2
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	2	0.2
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	3	0.2
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	9	0.2
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	12	0.2
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	14	0.2
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	18	0.2
(1,2804)	1:102:A:GLN:HG2	1:138:A:PHE:HB3	7	0.2
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	17	0.2
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	20	0.2
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	15	0.2
(1,2618)	1:69:A:ALA:HA	1:124:A:LEU:HD11	9	0.2
(1,2618)	1:69:A:ALA:HA	1:124:A:LEU:HD12	9	0.2
(1,2618)	1:69:A:ALA:HA	1:124:A:LEU:HD13	9	0.2
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG11	14	0.2
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG12	14	0.2
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG13	14	0.2
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG11	1	0.2
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG12	1	0.2
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG13	1	0.2
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	17	0.2
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	17	0.2
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	17	0.2
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	6	0.2
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	6	0.2
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	6	0.2
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	18	0.2
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	18	0.2
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	18	0.2
(1,2090)	1:16:A:VAL:HG11	1:170:A:VAL:HB	6	0.2
(1,2090)	1:16:A:VAL:HG12	1:170:A:VAL:HB	6	0.2
(1,2090)	1:16:A:VAL:HG13	1:170:A:VAL:HB	6	0.2
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	3	0.2
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	3	0.2
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	3	0.2
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	6	0.2
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	6	0.2
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	6	0.2
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	15	0.2
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	15	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	4	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	4	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	4	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	4	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	4	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	4	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	4	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	4	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	4	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	10	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	10	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	10	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	10	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	10	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	10	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	10	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	10	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	10	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	11	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	11	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	11	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	11	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	11	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	11	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	11	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	11	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	11	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	15	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	15	0.2
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	15	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	15	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	15	0.2
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	15	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	15	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	15	0.2
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	15	0.2
(1,1697)	1:71:A:VAL:HG11	1:72:A:ALA:HA	19	0.2
(1,1697)	1:71:A:VAL:HG12	1:72:A:ALA:HA	19	0.2
(1,1697)	1:71:A:VAL:HG13	1:72:A:ALA:HA	19	0.2
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	13	0.2
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	13	0.2
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD11	14	0.2
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD12	14	0.2
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD13	14	0.2
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD21	14	0.2
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD22	14	0.2
(1,1636)	1:86:A:LEU:HD11	1:113:A:LEU:HD23	14	0.2
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD11	14	0.2
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD12	14	0.2
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD13	14	0.2
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD21	14	0.2
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD22	14	0.2
(1,1636)	1:86:A:LEU:HD12	1:113:A:LEU:HD23	14	0.2
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD11	14	0.2
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD12	14	0.2
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD13	14	0.2
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD21	14	0.2
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD22	14	0.2
(1,1636)	1:86:A:LEU:HD13	1:113:A:LEU:HD23	14	0.2
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	11	0.2
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	11	0.2
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	11	0.2
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD11	13	0.2
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD12	13	0.2
(1,1609)	1:61:A:CYS:HA	1:124:A:LEU:HD13	13	0.2
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB1	4	0.2
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB2	4	0.2
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB3	4	0.2
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB1	4	0.2
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB2	4	0.2
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB3	4	0.2
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB1	4	0.2
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB2	4	0.2
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB3	4	0.2
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	11	0.2
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	11	0.2
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	11	0.2
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	11	0.2
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	11	0.2
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	11	0.2
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	11	0.2
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	11	0.2
(1,1526)	1:74:A:LEU:HD21	1:114:A:ASP:H	4	0.2
(1,1526)	1:74:A:LEU:HD22	1:114:A:ASP:H	4	0.2
(1,1526)	1:74:A:LEU:HD23	1:114:A:ASP:H	4	0.2
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	14	0.2
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	14	0.2
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	14	0.2
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	5	0.2
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	5	0.2
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	5	0.2
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	7	0.2
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	8	0.2
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	9	0.2
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	9	0.2
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	9	0.2
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	9	0.2
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	9	0.2
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	9	0.2
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	9	0.2
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	9	0.2
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	9	0.2
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	16	0.2
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	16	0.2
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	16	0.2
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	16	0.2
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	16	0.2
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	16	0.2
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG21	17	0.2
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG22	17	0.2
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG23	17	0.2
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	9	0.2
(1,762)	1:90:A:SER:HB3	1:91:A:SER:H	8	0.2
(1,686)	1:115:A:GLY:HA3	1:117:A:THR:H	17	0.2
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	20	0.2
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD21	15	0.2
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD22	15	0.2
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD23	15	0.2
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG21	7	0.2
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG22	7	0.2
(1,151)	1:17:A:VAL:H	1:170:A:VAL:HG23	7	0.2
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	11	0.2
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	15	0.19
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	15	0.19
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	15	0.19
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	15	0.19
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	15	0.19
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	8	0.19
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	8	0.19
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	8	0.19
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	16	0.19
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	16	0.19
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	16	0.19
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	5	0.19
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	5	0.19
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	1	0.19
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	1	0.19
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	1	0.19
(1,3636)	1:32:A:VAL:HG11	1:33:A:GLN:HB3	17	0.19
(1,3636)	1:32:A:VAL:HG12	1:33:A:GLN:HB3	17	0.19
(1,3636)	1:32:A:VAL:HG13	1:33:A:GLN:HB3	17	0.19
(1,3486)	1:78:A:ILE:HG12	1:79:A:ASP:HB3	4	0.19
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	13	0.19
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	13	0.19
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	13	0.19
(1,3261)	1:82:A:HIS:HB2	1:85:A:VAL:HB	12	0.19
(1,3238)	1:30:A:GLN:HG3	1:176:A:HIS:H	10	0.19
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	5	0.19
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	7	0.19
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	17	0.19
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	19	0.19
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	20	0.19
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	14	0.19
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	14	0.19
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	14	0.19
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	19	0.19
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	19	0.19
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	19	0.19
(1,2981)	1:145:A:PRO:HG2	1:183:A:ASN:HB3	5	0.19
(1,2858)	1:28:A:VAL:H	1:29:A:ASP:HB3	7	0.19
(1,2857)	1:105:A:ASP:HB2	1:111:A:LEU:HG	7	0.19
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	12	0.19
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	2	0.19
(1,2726)	1:8:A:GLY:HA2	1:9:A:THR:H	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2726)	1:8:A:GLY:HA2	1:9:A:THR:H	18	0.19
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	13	0.19
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	17	0.19
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	14	0.19
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	14	0.19
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	14	0.19
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	14	0.19
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	14	0.19
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	14	0.19
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	14	0.19
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	14	0.19
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	14	0.19
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	15	0.19
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	15	0.19
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	15	0.19
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG21	5	0.19
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG22	5	0.19
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG23	5	0.19
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	12	0.19
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	12	0.19
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	12	0.19
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	15	0.19
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	15	0.19
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	15	0.19
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	3	0.19
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	3	0.19
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	3	0.19
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	9	0.19
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	9	0.19
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	9	0.19
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG21	10	0.19
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG22	10	0.19
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG23	10	0.19
(1,1742)	1:48:A:THR:HG21	1:136:A:ARG:HD3	14	0.19
(1,1742)	1:48:A:THR:HG22	1:136:A:ARG:HD3	14	0.19
(1,1742)	1:48:A:THR:HG23	1:136:A:ARG:HD3	14	0.19
(1,1704)	1:23:A:VAL:HG21	1:24:A:ASP:H	11	0.19
(1,1704)	1:23:A:VAL:HG22	1:24:A:ASP:H	11	0.19
(1,1704)	1:23:A:VAL:HG23	1:24:A:ASP:H	11	0.19
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG11	4	0.19
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG12	4	0.19
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG13	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1595)	1:111:A:LEU:HD21	1:120:A:SER:H	10	0.19
(1,1595)	1:111:A:LEU:HD22	1:120:A:SER:H	10	0.19
(1,1595)	1:111:A:LEU:HD23	1:120:A:SER:H	10	0.19
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	17	0.19
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	17	0.19
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	17	0.19
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	13	0.19
(1,1379)	1:104:A:LEU:HD21	1:135:A:ALA:HA	18	0.19
(1,1379)	1:104:A:LEU:HD22	1:135:A:ALA:HA	18	0.19
(1,1379)	1:104:A:LEU:HD23	1:135:A:ALA:HA	18	0.19
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	5	0.19
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	5	0.19
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	5	0.19
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG21	18	0.19
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG22	18	0.19
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG23	18	0.19
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG21	18	0.19
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG22	18	0.19
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG23	18	0.19
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG21	18	0.19
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG22	18	0.19
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG23	18	0.19
(1,1301)	1:105:A:ASP:HB2	1:120:A:SER:HA	7	0.19
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	19	0.19
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	19	0.19
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	19	0.19
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	19	0.19
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	19	0.19
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	19	0.19
(1,1269)	1:34:A:LEU:HD21	1:177:A:PHE:HA	14	0.19
(1,1269)	1:34:A:LEU:HD22	1:177:A:PHE:HA	14	0.19
(1,1269)	1:34:A:LEU:HD23	1:177:A:PHE:HA	14	0.19
(1,1071)	1:86:A:LEU:HD21	1:153:A:THR:H	17	0.19
(1,1071)	1:86:A:LEU:HD22	1:153:A:THR:H	17	0.19
(1,1071)	1:86:A:LEU:HD23	1:153:A:THR:H	17	0.19
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	15	0.19
(1,764)	1:91:A:SER:H	1:91:A:SER:HB3	15	0.19
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	5	0.19
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	9	0.19
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	15	0.19
(1,374)	1:12:A:PHE:H	1:12:A:PHE:HB3	14	0.19
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD11	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD12	5	0.19
(1,254)	1:103:A:ILE:H	1:104:A:LEU:HD13	5	0.19
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD21	20	0.19
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD22	20	0.19
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD23	20	0.19
(1,3)	1:32:A:VAL:H	1:176:A:HIS:HB3	11	0.19
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	7	0.18
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	7	0.18
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	12	0.18
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	12	0.18
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	12	0.18
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	12	0.18
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	12	0.18
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	12	0.18
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	13	0.18
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	13	0.18
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	13	0.18
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	13	0.18
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	13	0.18
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	13	0.18
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	3	0.18
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	3	0.18
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	3	0.18
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	3	0.18
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	3	0.18
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	3	0.18
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	6	0.18
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	6	0.18
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	6	0.18
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	13	0.18
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	13	0.18
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	13	0.18
(1,3540)	1:45:A:GLU:HB2	1:47:A:ALA:H	15	0.18
(1,3540)	1:45:A:GLU:HB2	1:47:A:ALA:H	19	0.18
(1,3380)	1:88:A:LEU:HG	1:95:A:SER:HB2	17	0.18
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	1	0.18
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	1	0.18
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	1	0.18
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	10	0.18
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	10	0.18
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	10	0.18
(1,3137)	1:45:A:GLU:HG3	1:47:A:ALA:H	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3058)	1:121:A:GLU:HG2	1:122:A:THR:H	17	0.18
(1,2923)	1:61:A:CYS:HB2	1:62:A:ASP:H	7	0.18
(1,2923)	1:61:A:CYS:HB2	1:62:A:ASP:H	19	0.18
(1,2912)	1:62:A:ASP:HB2	1:65:A:VAL:H	5	0.18
(1,2726)	1:8:A:GLY:HA2	1:9:A:THR:H	10	0.18
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD11	3	0.18
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD12	3	0.18
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD13	3	0.18
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD11	3	0.18
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD12	3	0.18
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD13	3	0.18
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD11	3	0.18
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD12	3	0.18
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD13	3	0.18
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG11	17	0.18
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG12	17	0.18
(1,2510)	1:19:A:ALA:HA	1:65:A:VAL:HG13	17	0.18
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB1	7	0.18
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB2	7	0.18
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB3	7	0.18
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	1	0.18
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	1	0.18
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	1	0.18
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	10	0.18
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	10	0.18
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	10	0.18
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG21	16	0.18
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG22	16	0.18
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG23	16	0.18
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	16	0.18
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	16	0.18
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	16	0.18
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD21	13	0.18
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD22	13	0.18
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD23	13	0.18
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	18	0.18
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	18	0.18
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	18	0.18
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	3	0.18
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	3	0.18
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	3	0.18
(1,1806)	1:182:A:VAL:HG21	1:183:A:ASN:H	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1806)	1:182:A:VAL:HG22	1:183:A:ASN:H	14	0.18
(1,1806)	1:182:A:VAL:HG23	1:183:A:ASN:H	14	0.18
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	11	0.18
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	11	0.18
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	11	0.18
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	17	0.18
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	17	0.18
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	17	0.18
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	20	0.18
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	20	0.18
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	20	0.18
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	7	0.18
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	7	0.18
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	7	0.18
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG21	7	0.18
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG22	7	0.18
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG23	7	0.18
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	1	0.18
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	1	0.18
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	1	0.18
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	18	0.18
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	18	0.18
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	18	0.18
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB1	14	0.18
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB2	14	0.18
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB3	14	0.18
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB1	14	0.18
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB2	14	0.18
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB3	14	0.18
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB1	14	0.18
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB2	14	0.18
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB3	14	0.18
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	12	0.18
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	12	0.18
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	12	0.18
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG21	13	0.18
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG22	13	0.18
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG23	13	0.18
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	1	0.18
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	1	0.18
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	1	0.18
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	1	0.18
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	1	0.18
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	1	0.18
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	1	0.18
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	1	0.18
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD21	8	0.18
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD22	8	0.18
(1,1557)	1:56:A:ILE:HD11	1:58:A:LEU:HD23	8	0.18
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD21	8	0.18
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD22	8	0.18
(1,1557)	1:56:A:ILE:HD12	1:58:A:LEU:HD23	8	0.18
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD21	8	0.18
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD22	8	0.18
(1,1557)	1:56:A:ILE:HD13	1:58:A:LEU:HD23	8	0.18
(1,1528)	1:74:A:LEU:H	1:74:A:LEU:HD21	12	0.18
(1,1528)	1:74:A:LEU:H	1:74:A:LEU:HD22	12	0.18
(1,1528)	1:74:A:LEU:H	1:74:A:LEU:HD23	12	0.18
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	13	0.18
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	13	0.18
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	13	0.18
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	19	0.18
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	15	0.18
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	15	0.18
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	15	0.18
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	15	0.18
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	15	0.18
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	15	0.18
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	15	0.18
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	15	0.18
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	15	0.18
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB1	19	0.18
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB2	19	0.18
(1,1335)	1:34:A:LEU:HD21	1:150:A:ALA:HB3	19	0.18
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB1	19	0.18
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB2	19	0.18
(1,1335)	1:34:A:LEU:HD22	1:150:A:ALA:HB3	19	0.18
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB1	19	0.18
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB2	19	0.18
(1,1335)	1:34:A:LEU:HD23	1:150:A:ALA:HB3	19	0.18
(1,1316)	1:27:A:SER:HA	1:30:A:GLN:HG3	7	0.18
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	18	0.18
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	18	0.18
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	15	0.18
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	15	0.18
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	15	0.18
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	15	0.18
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	15	0.18
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	15	0.18
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD21	1	0.18
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD22	1	0.18
(1,1270)	1:33:A:GLN:HA	1:34:A:LEU:HD23	1	0.18
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG21	14	0.18
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG22	14	0.18
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG23	14	0.18
(1,1080)	1:107:A:THR:H	1:108:A:GLY:HA3	15	0.18
(1,915)	1:125:A:ASN:HB2	1:125:A:ASN:HD21	9	0.18
(1,915)	1:125:A:ASN:HB2	1:125:A:ASN:HD21	18	0.18
(1,902)	1:55:A:ASN:H	1:55:A:ASN:HD21	3	0.18
(1,764)	1:91:A:SER:H	1:91:A:SER:HB3	12	0.18
(1,503)	1:125:A:ASN:HB3	1:126:A:ASN:H	10	0.18
(1,494)	1:14:A:GLY:HA2	1:15:A:GLU:H	13	0.18
(1,365)	1:137:A:TYR:HB2	1:138:A:PHE:H	13	0.18
(1,365)	1:137:A:TYR:HB2	1:138:A:PHE:H	14	0.18
(1,56)	1:55:A:ASN:HB2	1:131:A:ILE:H	7	0.18
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	14	0.17
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	14	0.17
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	14	0.17
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	19	0.17
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	19	0.17
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	19	0.17
(1,3864)	1:154:A:PHE:HD1	1:172:A:GLY:HA2	10	0.17
(1,3864)	1:154:A:PHE:HD2	1:172:A:GLY:HA2	10	0.17
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	3	0.17
(1,3564)	1:106:A:ARG:HG2	1:107:A:THR:HA	3	0.17
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	11	0.17
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	11	0.17
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	11	0.17
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	7	0.17
(1,2899)	1:68:A:LYS:HE2	1:121:A:GLU:HG2	10	0.17
(1,2899)	1:68:A:LYS:HE3	1:121:A:GLU:HG2	10	0.17
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	6	0.17
(1,2701)	1:159:A:GLN:HA	1:160:A:GLY:HA3	7	0.17
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG11	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG12	11	0.17
(1,2692)	1:56:A:ILE:HD11	1:71:A:VAL:HG13	11	0.17
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG11	11	0.17
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG12	11	0.17
(1,2692)	1:56:A:ILE:HD12	1:71:A:VAL:HG13	11	0.17
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG11	11	0.17
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG12	11	0.17
(1,2692)	1:56:A:ILE:HD13	1:71:A:VAL:HG13	11	0.17
(1,2677)	1:28:A:VAL:HB	1:173:A:GLY:HA2	19	0.17
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG11	9	0.17
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG12	9	0.17
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG13	9	0.17
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	2	0.17
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	5	0.17
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	5	0.17
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	5	0.17
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	20	0.17
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	20	0.17
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	20	0.17
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG11	14	0.17
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG12	14	0.17
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG13	14	0.17
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG21	14	0.17
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG22	14	0.17
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG23	14	0.17
(1,2030)	1:159:A:GLN:HA	1:159:A:GLN:HG3	16	0.17
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	4	0.17
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	4	0.17
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	4	0.17
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	13	0.17
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	13	0.17
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	13	0.17
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG21	14	0.17
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG22	14	0.17
(1,1773)	1:32:A:VAL:HG21	1:175:A:VAL:HG23	14	0.17
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG21	14	0.17
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG22	14	0.17
(1,1773)	1:32:A:VAL:HG22	1:175:A:VAL:HG23	14	0.17
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG21	14	0.17
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG22	14	0.17
(1,1773)	1:32:A:VAL:HG23	1:175:A:VAL:HG23	14	0.17
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	5	0.17
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	5	0.17
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	12	0.17
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	12	0.17
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	12	0.17
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG11	18	0.17
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG12	18	0.17
(1,1657)	1:34:A:LEU:HD21	1:101:A:VAL:HG13	18	0.17
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG11	18	0.17
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG12	18	0.17
(1,1657)	1:34:A:LEU:HD22	1:101:A:VAL:HG13	18	0.17
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG11	18	0.17
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG12	18	0.17
(1,1657)	1:34:A:LEU:HD23	1:101:A:VAL:HG13	18	0.17
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD21	9	0.17
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD22	9	0.17
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD23	9	0.17
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD21	9	0.17
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD22	9	0.17
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD23	9	0.17
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD21	9	0.17
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD22	9	0.17
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD23	9	0.17
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD21	18	0.17
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD22	18	0.17
(1,1524)	1:23:A:VAL:HG11	1:58:A:LEU:HD23	18	0.17
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD21	18	0.17
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD22	18	0.17
(1,1524)	1:23:A:VAL:HG12	1:58:A:LEU:HD23	18	0.17
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD21	18	0.17
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD22	18	0.17
(1,1524)	1:23:A:VAL:HG13	1:58:A:LEU:HD23	18	0.17
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD11	12	0.17
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD12	12	0.17
(1,1482)	1:32:A:VAL:HG11	1:34:A:LEU:HD13	12	0.17
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD11	12	0.17
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD12	12	0.17
(1,1482)	1:32:A:VAL:HG12	1:34:A:LEU:HD13	12	0.17
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD11	12	0.17
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD12	12	0.17
(1,1482)	1:32:A:VAL:HG13	1:34:A:LEU:HD13	12	0.17
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	11	0.17
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	11	0.17
(1,1435)	1:39:A:THR:HG21	1:145:A:PRO:HG2	8	0.17
(1,1435)	1:39:A:THR:HG22	1:145:A:PRO:HG2	8	0.17
(1,1435)	1:39:A:THR:HG23	1:145:A:PRO:HG2	8	0.17
(1,1378)	1:104:A:LEU:HD21	1:134:A:GLN:HE22	18	0.17
(1,1378)	1:104:A:LEU:HD22	1:134:A:GLN:HE22	18	0.17
(1,1378)	1:104:A:LEU:HD23	1:134:A:GLN:HE22	18	0.17
(1,1094)	1:157:A:GLN:HB2	1:159:A:GLN:HE21	15	0.17
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	2	0.17
(1,1071)	1:86:A:LEU:HD21	1:153:A:THR:H	18	0.17
(1,1071)	1:86:A:LEU:HD22	1:153:A:THR:H	18	0.17
(1,1071)	1:86:A:LEU:HD23	1:153:A:THR:H	18	0.17
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	7	0.17
(1,796)	1:38:A:ARG:HB2	1:39:A:THR:H	1	0.17
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	14	0.17
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG11	7	0.17
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG12	7	0.17
(1,293)	1:19:A:ALA:H	1:65:A:VAL:HG13	7	0.17
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	15	0.17
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE1	7	0.16
(1,3998)	1:156:A:VAL:HG21	1:158:A:TYR:HE2	7	0.16
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE1	7	0.16
(1,3998)	1:156:A:VAL:HG22	1:158:A:TYR:HE2	7	0.16
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE1	7	0.16
(1,3998)	1:156:A:VAL:HG23	1:158:A:TYR:HE2	7	0.16
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE1	8	0.16
(1,3910)	1:105:A:ASP:HB2	1:133:A:PHE:HE2	8	0.16
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	2	0.16
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	2	0.16
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	2	0.16
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	14	0.16
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	14	0.16
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	14	0.16
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	19	0.16
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	19	0.16
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	19	0.16
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	18	0.16
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	18	0.16
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	18	0.16
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	18	0.16
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	18	0.16
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	18	0.16
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	18	0.16
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	18	0.16
(1,3671)	1:30:A:GLN:HG3	1:32:A:VAL:HA	17	0.16
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	12	0.16
(1,3524)	1:111:A:LEU:HD21	1:120:A:SER:HB2	20	0.16
(1,3524)	1:111:A:LEU:HD22	1:120:A:SER:HB2	20	0.16
(1,3524)	1:111:A:LEU:HD23	1:120:A:SER:HB2	20	0.16
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	1	0.16
(1,3342)	1:23:A:VAL:HG21	1:27:A:SER:HB2	5	0.16
(1,3342)	1:23:A:VAL:HG22	1:27:A:SER:HB2	5	0.16
(1,3342)	1:23:A:VAL:HG23	1:27:A:SER:HB2	5	0.16
(1,3325)	1:105:A:ASP:HB2	1:119:A:SER:HB2	6	0.16
(1,3323)	1:119:A:SER:HB3	1:120:A:SER:HB2	3	0.16
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	9	0.16
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	9	0.16
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG11	17	0.16
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG12	17	0.16
(1,3197)	1:99:A:VAL:HB	1:181:A:VAL:HG13	17	0.16
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	4	0.16
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	4	0.16
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	4	0.16
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	6	0.16
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	6	0.16
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	6	0.16
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD11	13	0.16
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD12	13	0.16
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD13	13	0.16
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD21	13	0.16
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD22	13	0.16
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD23	13	0.16
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	14	0.16
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	14	0.16
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	14	0.16
(1,2756)	1:132:A:PRO:HA	1:133:A:PHE:HB3	9	0.16
(1,2704)	1:66:A:ALA:HB1	1:160:A:GLY:HA2	18	0.16
(1,2704)	1:66:A:ALA:HB2	1:160:A:GLY:HA2	18	0.16
(1,2704)	1:66:A:ALA:HB3	1:160:A:GLY:HA2	18	0.16
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD11	9	0.16
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD12	9	0.16
(1,2649)	1:101:A:VAL:HG21	1:103:A:ILE:HD13	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD11	9	0.16
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD12	9	0.16
(1,2649)	1:101:A:VAL:HG22	1:103:A:ILE:HD13	9	0.16
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD11	9	0.16
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD12	9	0.16
(1,2649)	1:101:A:VAL:HG23	1:103:A:ILE:HD13	9	0.16
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG21	4	0.16
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG22	4	0.16
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG23	4	0.16
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG21	4	0.16
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG22	4	0.16
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG23	4	0.16
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG21	4	0.16
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG22	4	0.16
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG23	4	0.16
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG21	17	0.16
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG22	17	0.16
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG23	17	0.16
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG21	17	0.16
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG22	17	0.16
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG23	17	0.16
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG21	17	0.16
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG22	17	0.16
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG23	17	0.16
(1,2334)	1:170:A:VAL:HG11	1:171:A:ASN:HA	2	0.16
(1,2334)	1:170:A:VAL:HG12	1:171:A:ASN:HA	2	0.16
(1,2334)	1:170:A:VAL:HG13	1:171:A:ASN:HA	2	0.16
(1,2334)	1:170:A:VAL:HG11	1:171:A:ASN:HA	19	0.16
(1,2334)	1:170:A:VAL:HG12	1:171:A:ASN:HA	19	0.16
(1,2334)	1:170:A:VAL:HG13	1:171:A:ASN:HA	19	0.16
(1,2324)	1:147:A:ALA:HB1	1:149:A:ASN:HD21	7	0.16
(1,2324)	1:147:A:ALA:HB2	1:149:A:ASN:HD21	7	0.16
(1,2324)	1:147:A:ALA:HB3	1:149:A:ASN:HD21	7	0.16
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	6	0.16
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	19	0.16
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	19	0.16
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	19	0.16
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB1	8	0.16
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB2	8	0.16
(1,2238)	1:42:A:LEU:HD11	1:43:A:ALA:HB3	8	0.16
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB1	8	0.16
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB2	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2238)	1:42:A:LEU:HD12	1:43:A:ALA:HB3	8	0.16
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB1	8	0.16
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB2	8	0.16
(1,2238)	1:42:A:LEU:HD13	1:43:A:ALA:HB3	8	0.16
(1,2211)	1:51:A:ALA:HB1	1:136:A:ARG:HD2	16	0.16
(1,2211)	1:51:A:ALA:HB2	1:136:A:ARG:HD2	16	0.16
(1,2211)	1:51:A:ALA:HB3	1:136:A:ARG:HD2	16	0.16
(1,2196)	1:52:A:VAL:HG21	1:136:A:ARG:HA	11	0.16
(1,2196)	1:52:A:VAL:HG22	1:136:A:ARG:HA	11	0.16
(1,2196)	1:52:A:VAL:HG23	1:136:A:ARG:HA	11	0.16
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	12	0.16
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	12	0.16
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	12	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG11	7	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG12	7	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG13	7	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG21	7	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG22	7	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG23	7	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG11	19	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG12	19	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG13	19	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG21	19	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG22	19	0.16
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG23	19	0.16
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG11	19	0.16
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG12	19	0.16
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG13	19	0.16
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG21	19	0.16
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG22	19	0.16
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG23	19	0.16
(1,2030)	1:159:A:GLN:HA	1:159:A:GLN:HG3	6	0.16
(1,2030)	1:159:A:GLN:HA	1:159:A:GLN:HG3	9	0.16
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	8	0.16
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	8	0.16
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	8	0.16
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	14	0.16
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	14	0.16
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	14	0.16
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	15	0.16
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	15	0.16
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG21	5	0.16
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG22	5	0.16
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG23	5	0.16
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG21	6	0.16
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG22	6	0.16
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG23	6	0.16
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	8	0.16
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	8	0.16
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	8	0.16
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	13	0.16
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	13	0.16
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	13	0.16
(1,1839)	1:28:A:VAL:HG11	1:174:A:THR:H	13	0.16
(1,1839)	1:28:A:VAL:HG12	1:174:A:THR:H	13	0.16
(1,1839)	1:28:A:VAL:HG13	1:174:A:THR:H	13	0.16
(1,1806)	1:182:A:VAL:HG21	1:183:A:ASN:H	2	0.16
(1,1806)	1:182:A:VAL:HG22	1:183:A:ASN:H	2	0.16
(1,1806)	1:182:A:VAL:HG23	1:183:A:ASN:H	2	0.16
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	18	0.16
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	18	0.16
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	18	0.16
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	9	0.16
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	9	0.16
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	9	0.16
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG11	17	0.16
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG12	17	0.16
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG13	17	0.16
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	6	0.16
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	6	0.16
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	6	0.16
(1,1526)	1:74:A:LEU:HD21	1:114:A:ASP:H	16	0.16
(1,1526)	1:74:A:LEU:HD22	1:114:A:ASP:H	16	0.16
(1,1526)	1:74:A:LEU:HD23	1:114:A:ASP:H	16	0.16
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	16	0.16
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	8	0.16
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	8	0.16
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	8	0.16
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	8	0.16
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	8	0.16
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	8	0.16
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB3	17	0.16
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB3	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB3	17	0.16
(1,1273)	1:34:A:LEU:HD21	1:177:A:PHE:HB2	17	0.16
(1,1273)	1:34:A:LEU:HD22	1:177:A:PHE:HB2	17	0.16
(1,1273)	1:34:A:LEU:HD23	1:177:A:PHE:HB2	17	0.16
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG21	10	0.16
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG22	10	0.16
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG23	10	0.16
(1,1106)	1:74:A:LEU:HB3	1:115:A:GLY:H	17	0.16
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	19	0.16
(1,844)	1:64:A:ASN:HB3	1:64:A:ASN:HD22	6	0.16
(1,764)	1:91:A:SER:H	1:91:A:SER:HB3	20	0.16
(1,762)	1:90:A:SER:HB3	1:91:A:SER:H	19	0.16
(1,365)	1:137:A:TYR:HB2	1:138:A:PHE:H	7	0.16
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD21	2	0.16
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD22	2	0.16
(1,210)	1:22:A:ALA:H	1:58:A:LEU:HD23	2	0.16
(1,193)	1:13:A:LYS:H	1:13:A:LYS:HB3	8	0.16
(1,86)	1:33:A:GLN:H	1:33:A:GLN:HB3	14	0.16
(1,75)	1:72:A:ALA:H	1:155:A:LYS:HB3	11	0.16
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	20	0.16
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	20	0.16
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	20	0.16
(1,3997)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	13	0.15
(1,3997)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	13	0.15
(1,3997)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	13	0.15
(1,3997)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	13	0.15
(1,3997)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	13	0.15
(1,3997)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	13	0.15
(1,3997)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	13	0.15
(1,3997)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	13	0.15
(1,3997)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	13	0.15
(1,3997)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	13	0.15
(1,3997)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	13	0.15
(1,3997)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	13	0.15
(1,3981)	1:37:A:VAL:HG11	1:137:A:TYR:HE1	9	0.15
(1,3981)	1:37:A:VAL:HG11	1:137:A:TYR:HE2	9	0.15
(1,3981)	1:37:A:VAL:HG12	1:137:A:TYR:HE1	9	0.15
(1,3981)	1:37:A:VAL:HG12	1:137:A:TYR:HE2	9	0.15
(1,3981)	1:37:A:VAL:HG13	1:137:A:TYR:HE1	9	0.15
(1,3981)	1:37:A:VAL:HG13	1:137:A:TYR:HE2	9	0.15
(1,3981)	1:37:A:VAL:HG21	1:137:A:TYR:HE1	9	0.15
(1,3981)	1:37:A:VAL:HG21	1:137:A:TYR:HE2	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3981)	1:37:A:VAL:HG22	1:137:A:TYR:HE1	9	0.15
(1,3981)	1:37:A:VAL:HG22	1:137:A:TYR:HE2	9	0.15
(1,3981)	1:37:A:VAL:HG23	1:137:A:TYR:HE1	9	0.15
(1,3981)	1:37:A:VAL:HG23	1:137:A:TYR:HE2	9	0.15
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	6	0.15
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	6	0.15
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	6	0.15
(1,3813)	1:124:A:LEU:HD11	1:158:A:TYR:HD1	9	0.15
(1,3813)	1:124:A:LEU:HD11	1:158:A:TYR:HD2	9	0.15
(1,3813)	1:124:A:LEU:HD12	1:158:A:TYR:HD1	9	0.15
(1,3813)	1:124:A:LEU:HD12	1:158:A:TYR:HD2	9	0.15
(1,3813)	1:124:A:LEU:HD13	1:158:A:TYR:HD1	9	0.15
(1,3813)	1:124:A:LEU:HD13	1:158:A:TYR:HD2	9	0.15
(1,3813)	1:124:A:LEU:HD21	1:158:A:TYR:HD1	9	0.15
(1,3813)	1:124:A:LEU:HD21	1:158:A:TYR:HD2	9	0.15
(1,3813)	1:124:A:LEU:HD22	1:158:A:TYR:HD1	9	0.15
(1,3813)	1:124:A:LEU:HD22	1:158:A:TYR:HD2	9	0.15
(1,3813)	1:124:A:LEU:HD23	1:158:A:TYR:HD1	9	0.15
(1,3813)	1:124:A:LEU:HD23	1:158:A:TYR:HD2	9	0.15
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG11	11	0.15
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG12	11	0.15
(1,3667)	1:32:A:VAL:HA	1:52:A:VAL:HG13	11	0.15
(1,3540)	1:45:A:GLU:HB2	1:47:A:ALA:H	16	0.15
(1,3469)	1:84:A:ASN:HB2	1:112:A:THR:HA	18	0.15
(1,3398)	1:28:A:VAL:HA	1:173:A:GLY:HA2	6	0.15
(1,3261)	1:82:A:HIS:HB2	1:85:A:VAL:HB	19	0.15
(1,3218)	1:179:A:GLY:HA2	1:180:A:GLU:HB2	4	0.15
(1,3169)	1:104:A:LEU:HD21	1:134:A:GLN:HB2	3	0.15
(1,3169)	1:104:A:LEU:HD22	1:134:A:GLN:HB2	3	0.15
(1,3169)	1:104:A:LEU:HD23	1:134:A:GLN:HB2	3	0.15
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	17	0.15
(1,2983)	1:182:A:VAL:HG11	1:183:A:ASN:HB3	7	0.15
(1,2983)	1:182:A:VAL:HG12	1:183:A:ASN:HB3	7	0.15
(1,2983)	1:182:A:VAL:HG13	1:183:A:ASN:HB3	7	0.15
(1,2941)	1:12:A:PHE:HB2	1:13:A:LYS:HA	7	0.15
(1,2857)	1:105:A:ASP:HB2	1:111:A:LEU:HG	1	0.15
(1,2857)	1:105:A:ASP:HB2	1:111:A:LEU:HG	6	0.15
(1,2851)	1:55:A:ASN:HB2	1:130:A:THR:HA	3	0.15
(1,2843)	1:55:A:ASN:H	1:55:A:ASN:HB3	9	0.15
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	20	0.15
(1,2728)	1:13:A:LYS:HB2	1:14:A:GLY:HA3	3	0.15
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	1	0.15
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	1	0.15
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	1	0.15
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	1	0.15
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	1	0.15
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	1	0.15
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	1	0.15
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	1	0.15
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG11	6	0.15
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG12	6	0.15
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG13	6	0.15
(1,2334)	1:170:A:VAL:HG11	1:171:A:ASN:HA	3	0.15
(1,2334)	1:170:A:VAL:HG12	1:171:A:ASN:HA	3	0.15
(1,2334)	1:170:A:VAL:HG13	1:171:A:ASN:HA	3	0.15
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD21	6	0.15
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD22	6	0.15
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD23	6	0.15
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD21	6	0.15
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD22	6	0.15
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD23	6	0.15
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD21	6	0.15
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD22	6	0.15
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD23	6	0.15
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	19	0.15
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	19	0.15
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	19	0.15
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG11	11	0.15
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG12	11	0.15
(1,2141)	1:137:A:TYR:HB2	1:181:A:VAL:HG13	11	0.15
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG21	14	0.15
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG22	14	0.15
(1,2062)	1:51:A:ALA:H	1:52:A:VAL:HG23	14	0.15
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	10	0.15
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	10	0.15
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	10	0.15
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	11	0.15
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	11	0.15
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	11	0.15
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	20	0.15
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	20	0.15
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	20	0.15
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	5	0.15
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	5	0.15
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	7	0.15
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	7	0.15
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	7	0.15
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	20	0.15
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	20	0.15
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	20	0.15
(1,1806)	1:182:A:VAL:HG21	1:183:A:ASN:H	18	0.15
(1,1806)	1:182:A:VAL:HG22	1:183:A:ASN:H	18	0.15
(1,1806)	1:182:A:VAL:HG23	1:183:A:ASN:H	18	0.15
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	16	0.15
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	16	0.15
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	16	0.15
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	16	0.15
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	16	0.15
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	16	0.15
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	16	0.15
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	16	0.15
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	16	0.15
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	16	0.15
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	16	0.15
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	16	0.15
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	18	0.15
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	18	0.15
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	18	0.15
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	18	0.15
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	18	0.15
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	18	0.15
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	18	0.15
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	18	0.15
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	18	0.15
(1,1744)	1:23:A:VAL:HG11	1:59:A:ASN:H	2	0.15
(1,1744)	1:23:A:VAL:HG12	1:59:A:ASN:H	2	0.15
(1,1744)	1:23:A:VAL:HG13	1:59:A:ASN:H	2	0.15
(1,1704)	1:23:A:VAL:HG21	1:24:A:ASP:H	7	0.15
(1,1704)	1:23:A:VAL:HG22	1:24:A:ASP:H	7	0.15
(1,1704)	1:23:A:VAL:HG23	1:24:A:ASP:H	7	0.15
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	8	0.15
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	8	0.15
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	8	0.15
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB1	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB2	1	0.15
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB3	1	0.15
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB1	1	0.15
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB2	1	0.15
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB3	1	0.15
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB1	1	0.15
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB2	1	0.15
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB3	1	0.15
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	8	0.15
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	8	0.15
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	8	0.15
(1,1472)	1:34:A:LEU:HD11	1:137:A:TYR:H	3	0.15
(1,1472)	1:34:A:LEU:HD12	1:137:A:TYR:H	3	0.15
(1,1472)	1:34:A:LEU:HD13	1:137:A:TYR:H	3	0.15
(1,1472)	1:34:A:LEU:HD11	1:137:A:TYR:H	7	0.15
(1,1472)	1:34:A:LEU:HD12	1:137:A:TYR:H	7	0.15
(1,1472)	1:34:A:LEU:HD13	1:137:A:TYR:H	7	0.15
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	11	0.15
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	11	0.15
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	11	0.15
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD1	13	0.15
(1,1307)	1:124:A:LEU:HD11	1:158:A:TYR:HD2	13	0.15
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD1	13	0.15
(1,1307)	1:124:A:LEU:HD12	1:158:A:TYR:HD2	13	0.15
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD1	13	0.15
(1,1307)	1:124:A:LEU:HD13	1:158:A:TYR:HD2	13	0.15
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	2	0.15
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	2	0.15
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	2	0.15
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	2	0.15
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	2	0.15
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	2	0.15
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	2	0.15
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	2	0.15
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	2	0.15
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	11	0.15
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	1	0.15
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	6	0.15
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG11	10	0.15
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG12	10	0.15
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG13	10	0.15
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:38:A:ARG:HG3	1:39:A:THR:H	20	0.15
(1,326)	1:122:A:THR:H	1:124:A:LEU:HD21	10	0.15
(1,326)	1:122:A:THR:H	1:124:A:LEU:HD22	10	0.15
(1,326)	1:122:A:THR:H	1:124:A:LEU:HD23	10	0.15
(1,49)	1:23:A:VAL:HG21	1:57:A:GLN:H	18	0.15
(1,49)	1:23:A:VAL:HG22	1:57:A:GLN:H	18	0.15
(1,49)	1:23:A:VAL:HG23	1:57:A:GLN:H	18	0.15
(1,3983)	1:88:A:LEU:HD21	1:137:A:TYR:HE1	9	0.14
(1,3983)	1:88:A:LEU:HD21	1:137:A:TYR:HE2	9	0.14
(1,3983)	1:88:A:LEU:HD22	1:137:A:TYR:HE1	9	0.14
(1,3983)	1:88:A:LEU:HD22	1:137:A:TYR:HE2	9	0.14
(1,3983)	1:88:A:LEU:HD23	1:137:A:TYR:HE1	9	0.14
(1,3983)	1:88:A:LEU:HD23	1:137:A:TYR:HE2	9	0.14
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD1	17	0.14
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD2	17	0.14
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD1	17	0.14
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD2	17	0.14
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD1	17	0.14
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD2	17	0.14
(1,3818)	1:32:A:VAL:HG11	1:54:A:PHE:HD1	10	0.14
(1,3818)	1:32:A:VAL:HG11	1:54:A:PHE:HD2	10	0.14
(1,3818)	1:32:A:VAL:HG12	1:54:A:PHE:HD1	10	0.14
(1,3818)	1:32:A:VAL:HG12	1:54:A:PHE:HD2	10	0.14
(1,3818)	1:32:A:VAL:HG13	1:54:A:PHE:HD1	10	0.14
(1,3818)	1:32:A:VAL:HG13	1:54:A:PHE:HD2	10	0.14
(1,3778)	1:106:A:ARG:HG2	1:107:A:THR:HB	13	0.14
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG11	19	0.14
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG12	19	0.14
(1,3685)	1:88:A:LEU:HD11	1:181:A:VAL:HG13	19	0.14
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG11	19	0.14
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG12	19	0.14
(1,3685)	1:88:A:LEU:HD12	1:181:A:VAL:HG13	19	0.14
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG11	19	0.14
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG12	19	0.14
(1,3685)	1:88:A:LEU:HD13	1:181:A:VAL:HG13	19	0.14
(1,3671)	1:30:A:GLN:HG3	1:32:A:VAL:HA	3	0.14
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	4	0.14
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	4	0.14
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	4	0.14
(1,3527)	1:176:A:HIS:HB2	1:178:A:LYS:HE2	5	0.14
(1,3516)	1:107:A:THR:HG21	1:120:A:SER:HB3	3	0.14
(1,3516)	1:107:A:THR:HG22	1:120:A:SER:HB3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3516)	1:107:A:THR:HG23	1:120:A:SER:HB3	3	0.14
(1,3415)	1:15:A:GLU:H	1:15:A:GLU:HB2	16	0.14
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	13	0.14
(1,3283)	1:70:A:ALA:H	1:159:A:GLN:HG3	20	0.14
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	2	0.14
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	17	0.14
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	17	0.14
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	17	0.14
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	12	0.14
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	12	0.14
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	12	0.14
(1,3169)	1:104:A:LEU:HD21	1:134:A:GLN:HB2	16	0.14
(1,3169)	1:104:A:LEU:HD22	1:134:A:GLN:HB2	16	0.14
(1,3169)	1:104:A:LEU:HD23	1:134:A:GLN:HB2	16	0.14
(1,3169)	1:104:A:LEU:HD21	1:134:A:GLN:HB2	19	0.14
(1,3169)	1:104:A:LEU:HD22	1:134:A:GLN:HB2	19	0.14
(1,3169)	1:104:A:LEU:HD23	1:134:A:GLN:HB2	19	0.14
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	9	0.14
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	9	0.14
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	9	0.14
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD11	13	0.14
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD12	13	0.14
(1,3087)	1:76:A:THR:HB	1:86:A:LEU:HD13	13	0.14
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD11	3	0.14
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD12	3	0.14
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD13	3	0.14
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD21	3	0.14
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD22	3	0.14
(1,3002)	1:84:A:ASN:HB3	1:113:A:LEU:HD23	3	0.14
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	13	0.14
(1,2864)	1:89:A:GLN:HE21	1:178:A:LYS:HE3	20	0.14
(1,2788)	1:58:A:LEU:HD11	1:129:A:ASN:HB3	1	0.14
(1,2788)	1:58:A:LEU:HD12	1:129:A:ASN:HB3	1	0.14
(1,2788)	1:58:A:LEU:HD13	1:129:A:ASN:HB3	1	0.14
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	12	0.14
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	14	0.14
(1,2726)	1:8:A:GLY:HA2	1:9:A:THR:H	6	0.14
(1,2704)	1:66:A:ALA:HB1	1:160:A:GLY:HA2	1	0.14
(1,2704)	1:66:A:ALA:HB2	1:160:A:GLY:HA2	1	0.14
(1,2704)	1:66:A:ALA:HB3	1:160:A:GLY:HA2	1	0.14
(1,2683)	1:162:A:GLY:HA2	1:163:A:GLY:H	5	0.14
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG11	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG12	17	0.14
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG13	17	0.14
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG11	7	0.14
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG12	7	0.14
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG13	7	0.14
(1,2334)	1:170:A:VAL:HG11	1:171:A:ASN:HA	15	0.14
(1,2334)	1:170:A:VAL:HG12	1:171:A:ASN:HA	15	0.14
(1,2334)	1:170:A:VAL:HG13	1:171:A:ASN:HA	15	0.14
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	9	0.14
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	10	0.14
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD21	15	0.14
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD22	15	0.14
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD23	15	0.14
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD21	15	0.14
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD22	15	0.14
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD23	15	0.14
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD21	15	0.14
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD22	15	0.14
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD23	15	0.14
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG11	19	0.14
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG12	19	0.14
(1,2138)	1:181:A:VAL:H	1:181:A:VAL:HG13	19	0.14
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG21	5	0.14
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG22	5	0.14
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG23	5	0.14
(1,2030)	1:159:A:GLN:HA	1:159:A:GLN:HG3	20	0.14
(1,2016)	1:72:A:ALA:HB1	1:118:A:PHE:HB2	18	0.14
(1,2016)	1:72:A:ALA:HB1	1:118:A:PHE:HB3	18	0.14
(1,2016)	1:72:A:ALA:HB2	1:118:A:PHE:HB2	18	0.14
(1,2016)	1:72:A:ALA:HB2	1:118:A:PHE:HB3	18	0.14
(1,2016)	1:72:A:ALA:HB3	1:118:A:PHE:HB2	18	0.14
(1,2016)	1:72:A:ALA:HB3	1:118:A:PHE:HB3	18	0.14
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	2	0.14
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	2	0.14
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	2	0.14
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	5	0.14
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	5	0.14
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	5	0.14
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	6	0.14
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	6	0.14
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	6	0.14
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	18	0.14
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	18	0.14
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD21	18	0.14
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD22	18	0.14
(1,1974)	1:124:A:LEU:HA	1:124:A:LEU:HD23	18	0.14
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG11	20	0.14
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG12	20	0.14
(1,1946)	1:85:A:VAL:H	1:85:A:VAL:HG13	20	0.14
(1,1901)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	11	0.14
(1,1901)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	11	0.14
(1,1901)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	11	0.14
(1,1901)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	11	0.14
(1,1901)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	11	0.14
(1,1901)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	11	0.14
(1,1901)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	11	0.14
(1,1901)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	11	0.14
(1,1901)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	11	0.14
(1,1839)	1:28:A:VAL:HG11	1:174:A:THR:H	8	0.14
(1,1839)	1:28:A:VAL:HG12	1:174:A:THR:H	8	0.14
(1,1839)	1:28:A:VAL:HG13	1:174:A:THR:H	8	0.14
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	19	0.14
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	19	0.14
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	19	0.14
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	2	0.14
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	2	0.14
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	2	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	2	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	2	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	2	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	2	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	2	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	2	0.14
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	4	0.14
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	4	0.14
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	4	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	4	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	4	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	4	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	4	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	4	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	4	0.14
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	7	0.14
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	7	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	7	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	7	0.14
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	7	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	7	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	7	0.14
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	7	0.14
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	8	0.14
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	8	0.14
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	8	0.14
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	8	0.14
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	8	0.14
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	8	0.14
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	15	0.14
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	15	0.14
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	15	0.14
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	15	0.14
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	15	0.14
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	15	0.14
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	17	0.14
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	17	0.14
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	17	0.14
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	17	0.14
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	17	0.14
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	17	0.14
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	19	0.14
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	19	0.14
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	19	0.14
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	19	0.14
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	19	0.14
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	19	0.14
(1,1764)	1:175:A:VAL:HG21	1:176:A:HIS:H	8	0.14
(1,1764)	1:175:A:VAL:HG22	1:176:A:HIS:H	8	0.14
(1,1764)	1:175:A:VAL:HG23	1:176:A:HIS:H	8	0.14
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG21	11	0.14
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG22	11	0.14
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG23	11	0.14
(1,1702)	1:23:A:VAL:HG21	1:28:A:VAL:H	6	0.14
(1,1702)	1:23:A:VAL:HG22	1:28:A:VAL:H	6	0.14
(1,1702)	1:23:A:VAL:HG23	1:28:A:VAL:H	6	0.14
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB1	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB2	8	0.14
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB3	8	0.14
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB1	8	0.14
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB2	8	0.14
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB3	8	0.14
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB1	8	0.14
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB2	8	0.14
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB3	8	0.14
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG11	3	0.14
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG12	3	0.14
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG13	3	0.14
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG21	19	0.14
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG22	19	0.14
(1,1626)	1:157:A:GLN:HB3	1:169:A:THR:HG23	19	0.14
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	17	0.14
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	17	0.14
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	17	0.14
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	17	0.14
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	17	0.14
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	17	0.14
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	17	0.14
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	17	0.14
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	17	0.14
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG11	3	0.14
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG12	3	0.14
(1,1546)	1:99:A:VAL:HG21	1:181:A:VAL:HG13	3	0.14
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG11	3	0.14
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG12	3	0.14
(1,1546)	1:99:A:VAL:HG22	1:181:A:VAL:HG13	3	0.14
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG11	3	0.14
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG12	3	0.14
(1,1546)	1:99:A:VAL:HG23	1:181:A:VAL:HG13	3	0.14
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	10	0.14
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	10	0.14
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	10	0.14
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD21	18	0.14
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD22	18	0.14
(1,1531)	1:74:A:LEU:HA	1:74:A:LEU:HD23	18	0.14
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD21	18	0.14
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD22	18	0.14
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD23	18	0.14
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD21	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD22	18	0.14
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD23	18	0.14
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD21	18	0.14
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD22	18	0.14
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD23	18	0.14
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	20	0.14
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	20	0.14
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	20	0.14
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG21	4	0.14
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG22	4	0.14
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG23	4	0.14
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG21	4	0.14
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG22	4	0.14
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG23	4	0.14
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG21	4	0.14
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG22	4	0.14
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG23	4	0.14
(1,1361)	1:86:A:LEU:HD21	1:88:A:LEU:HA	12	0.14
(1,1361)	1:86:A:LEU:HD22	1:88:A:LEU:HA	12	0.14
(1,1361)	1:86:A:LEU:HD23	1:88:A:LEU:HA	12	0.14
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG21	5	0.14
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG22	5	0.14
(1,1276)	1:34:A:LEU:HD21	1:101:A:VAL:HG23	5	0.14
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG21	5	0.14
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG22	5	0.14
(1,1276)	1:34:A:LEU:HD22	1:101:A:VAL:HG23	5	0.14
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG21	5	0.14
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG22	5	0.14
(1,1276)	1:34:A:LEU:HD23	1:101:A:VAL:HG23	5	0.14
(1,1080)	1:107:A:THR:H	1:108:A:GLY:HA3	13	0.14
(1,1075)	1:74:A:LEU:HB2	1:153:A:THR:H	4	0.14
(1,966)	1:16:A:VAL:HG21	1:18:A:ASN:HD21	20	0.14
(1,966)	1:16:A:VAL:HG22	1:18:A:ASN:HD21	20	0.14
(1,966)	1:16:A:VAL:HG23	1:18:A:ASN:HD21	20	0.14
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	8	0.14
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG11	12	0.14
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG12	12	0.14
(1,927)	1:79:A:ASP:H	1:85:A:VAL:HG13	12	0.14
(1,494)	1:14:A:GLY:HA2	1:15:A:GLU:H	7	0.14
(1,75)	1:72:A:ALA:H	1:155:A:LYS:HB3	7	0.14
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	12	0.13
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	12	0.13
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG21	13	0.13
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG22	13	0.13
(1,3946)	1:54:A:PHE:HZ	1:175:A:VAL:HG23	13	0.13
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD11	12	0.13
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD12	12	0.13
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD13	12	0.13
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD11	12	0.13
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD12	12	0.13
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD13	12	0.13
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE1	18	0.13
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE2	18	0.13
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE1	18	0.13
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE2	18	0.13
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE1	18	0.13
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE2	18	0.13
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD1	8	0.13
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD2	8	0.13
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD1	8	0.13
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD2	8	0.13
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD1	8	0.13
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD2	8	0.13
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD1	15	0.13
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD2	15	0.13
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD1	15	0.13
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD2	15	0.13
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD1	15	0.13
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD2	15	0.13
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	9	0.13
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	9	0.13
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	9	0.13
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	9	0.13
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	9	0.13
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	9	0.13
(1,3878)	1:49:A:SER:HB2	1:137:A:TYR:HD1	9	0.13
(1,3878)	1:49:A:SER:HB2	1:137:A:TYR:HD2	9	0.13
(1,3878)	1:49:A:SER:HB3	1:137:A:TYR:HD1	9	0.13
(1,3878)	1:49:A:SER:HB3	1:137:A:TYR:HD2	9	0.13
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	5	0.13
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	5	0.13
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	5	0.13
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	5	0.13
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	5	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	13	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	13	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	13	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	13	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	13	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	13	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	13	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	13	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	13	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	13	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	13	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	13	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	14	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	14	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	14	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	14	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	14	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	14	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	14	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	14	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	14	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	14	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	14	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	14	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	16	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	16	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	16	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	16	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	16	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	16	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	16	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	16	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	16	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	16	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	16	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	16	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	18	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	18	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	18	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	18	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	18	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	18	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	18	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	18	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	18	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	18	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	18	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	19	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	19	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	19	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	19	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	19	0.13
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	19	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	19	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	19	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	19	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	19	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	19	0.13
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	19	0.13
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG11	11	0.13
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG12	11	0.13
(1,3817)	1:158:A:TYR:HD1	1:170:A:VAL:HG13	11	0.13
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG11	11	0.13
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG12	11	0.13
(1,3817)	1:158:A:TYR:HD2	1:170:A:VAL:HG13	11	0.13
(1,3778)	1:106:A:ARG:HG2	1:107:A:THR:HB	20	0.13
(1,3656)	1:101:A:VAL:HG21	1:103:A:ILE:HG13	7	0.13
(1,3656)	1:101:A:VAL:HG22	1:103:A:ILE:HG13	7	0.13
(1,3656)	1:101:A:VAL:HG23	1:103:A:ILE:HG13	7	0.13
(1,3632)	1:144:A:THR:HB	1:145:A:PRO:HG3	7	0.13
(1,3605)	1:103:A:ILE:HG21	1:104:A:LEU:HG	6	0.13
(1,3605)	1:103:A:ILE:HG22	1:104:A:LEU:HG	6	0.13
(1,3605)	1:103:A:ILE:HG23	1:104:A:LEU:HG	6	0.13
(1,3605)	1:103:A:ILE:HG21	1:104:A:LEU:HG	17	0.13
(1,3605)	1:103:A:ILE:HG22	1:104:A:LEU:HG	17	0.13
(1,3605)	1:103:A:ILE:HG23	1:104:A:LEU:HG	17	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG21	3	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG22	3	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG23	3	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG21	8	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG22	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG23	8	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG21	9	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG22	9	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG23	9	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG21	10	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG22	10	0.13
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG23	10	0.13
(1,3540)	1:45:A:GLU:HB2	1:47:A:ALA:H	10	0.13
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG2	8	0.13
(1,3505)	1:106:A:ARG:HB2	1:132:A:PRO:HG3	8	0.13
(1,3499)	1:50:A:SER:HB3	1:51:A:ALA:H	18	0.13
(1,3415)	1:15:A:GLU:H	1:15:A:GLU:HB2	4	0.13
(1,3283)	1:70:A:ALA:H	1:159:A:GLN:HG3	1	0.13
(1,3215)	1:179:A:GLY:HA3	1:180:A:GLU:HB2	4	0.13
(1,2924)	1:59:A:ASN:HB2	1:128:A:THR:HA	4	0.13
(1,2878)	1:115:A:GLY:HA2	1:155:A:LYS:HE3	11	0.13
(1,2858)	1:28:A:VAL:H	1:29:A:ASP:HB3	10	0.13
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	12	0.13
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	12	0.13
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	12	0.13
(1,2492)	1:103:A:ILE:HG21	1:133:A:PHE:HB2	20	0.13
(1,2492)	1:103:A:ILE:HG22	1:133:A:PHE:HB2	20	0.13
(1,2492)	1:103:A:ILE:HG23	1:133:A:PHE:HB2	20	0.13
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	2	0.13
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	2	0.13
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	2	0.13
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	2	0.13
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	2	0.13
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	2	0.13
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	2	0.13
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	2	0.13
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	2	0.13
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	11	0.13
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	11	0.13
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	11	0.13
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	11	0.13
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	11	0.13
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	11	0.13
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	11	0.13
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	11	0.13
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	11	0.13
(1,2334)	1:170:A:VAL:HG11	1:171:A:ASN:HA	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2334)	1:170:A:VAL:HG12	1:171:A:ASN:HA	5	0.13
(1,2334)	1:170:A:VAL:HG13	1:171:A:ASN:HA	5	0.13
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG11	6	0.13
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG12	6	0.13
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG13	6	0.13
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG11	7	0.13
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG12	7	0.13
(1,2327)	1:170:A:VAL:H	1:170:A:VAL:HG13	7	0.13
(1,2306)	1:77:A:ALA:HB1	1:113:A:LEU:HD11	12	0.13
(1,2306)	1:77:A:ALA:HB1	1:113:A:LEU:HD12	12	0.13
(1,2306)	1:77:A:ALA:HB1	1:113:A:LEU:HD13	12	0.13
(1,2306)	1:77:A:ALA:HB1	1:113:A:LEU:HD21	12	0.13
(1,2306)	1:77:A:ALA:HB1	1:113:A:LEU:HD22	12	0.13
(1,2306)	1:77:A:ALA:HB1	1:113:A:LEU:HD23	12	0.13
(1,2306)	1:77:A:ALA:HB2	1:113:A:LEU:HD11	12	0.13
(1,2306)	1:77:A:ALA:HB2	1:113:A:LEU:HD12	12	0.13
(1,2306)	1:77:A:ALA:HB2	1:113:A:LEU:HD13	12	0.13
(1,2306)	1:77:A:ALA:HB2	1:113:A:LEU:HD21	12	0.13
(1,2306)	1:77:A:ALA:HB2	1:113:A:LEU:HD22	12	0.13
(1,2306)	1:77:A:ALA:HB2	1:113:A:LEU:HD23	12	0.13
(1,2306)	1:77:A:ALA:HB3	1:113:A:LEU:HD11	12	0.13
(1,2306)	1:77:A:ALA:HB3	1:113:A:LEU:HD12	12	0.13
(1,2306)	1:77:A:ALA:HB3	1:113:A:LEU:HD13	12	0.13
(1,2306)	1:77:A:ALA:HB3	1:113:A:LEU:HD21	12	0.13
(1,2306)	1:77:A:ALA:HB3	1:113:A:LEU:HD22	12	0.13
(1,2306)	1:77:A:ALA:HB3	1:113:A:LEU:HD23	12	0.13
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	12	0.13
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	12	0.13
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	12	0.13
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	14	0.13
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	14	0.13
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	14	0.13
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	12	0.13
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	12	0.13
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	12	0.13
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	12	0.13
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	12	0.13
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	12	0.13
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	12	0.13
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	12	0.13
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	12	0.13
(1,2221)	1:101:A:VAL:HG21	1:177:A:PHE:HZ	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2221)	1:101:A:VAL:HG22	1:177:A:PHE:HZ	7	0.13
(1,2221)	1:101:A:VAL:HG23	1:177:A:PHE:HZ	7	0.13
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	6	0.13
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	6	0.13
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	6	0.13
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	15	0.13
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	15	0.13
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	15	0.13
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	18	0.13
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	18	0.13
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	18	0.13
(1,2178)	1:32:A:VAL:HG11	1:52:A:VAL:HB	10	0.13
(1,2178)	1:32:A:VAL:HG12	1:52:A:VAL:HB	10	0.13
(1,2178)	1:32:A:VAL:HG13	1:52:A:VAL:HB	10	0.13
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	5	0.13
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	5	0.13
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	5	0.13
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	11	0.13
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	11	0.13
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	11	0.13
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG21	10	0.13
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG22	10	0.13
(1,2117)	1:69:A:ALA:HB1	1:156:A:VAL:HG23	10	0.13
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG21	10	0.13
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG22	10	0.13
(1,2117)	1:69:A:ALA:HB2	1:156:A:VAL:HG23	10	0.13
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG21	10	0.13
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG22	10	0.13
(1,2117)	1:69:A:ALA:HB3	1:156:A:VAL:HG23	10	0.13
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	5	0.13
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	5	0.13
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	5	0.13
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	5	0.13
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	5	0.13
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	5	0.13
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	5	0.13
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	5	0.13
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	5	0.13
(1,2078)	1:156:A:VAL:HG11	1:172:A:GLY:HA2	14	0.13
(1,2078)	1:156:A:VAL:HG12	1:172:A:GLY:HA2	14	0.13
(1,2078)	1:156:A:VAL:HG13	1:172:A:GLY:HA2	14	0.13
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG11	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG12	18	0.13
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG13	18	0.13
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG21	17	0.13
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG22	17	0.13
(1,2065)	1:52:A:VAL:H	1:52:A:VAL:HG23	17	0.13
(1,2013)	1:156:A:VAL:HG11	1:172:A:GLY:HA3	14	0.13
(1,2013)	1:156:A:VAL:HG12	1:172:A:GLY:HA3	14	0.13
(1,2013)	1:156:A:VAL:HG13	1:172:A:GLY:HA3	14	0.13
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	3	0.13
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	3	0.13
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	3	0.13
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	17	0.13
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	17	0.13
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	17	0.13
(1,1971)	1:124:A:LEU:HD21	1:125:A:ASN:H	18	0.13
(1,1971)	1:124:A:LEU:HD22	1:125:A:ASN:H	18	0.13
(1,1971)	1:124:A:LEU:HD23	1:125:A:ASN:H	18	0.13
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	1	0.13
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	1	0.13
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	1	0.13
(1,1839)	1:28:A:VAL:HG11	1:174:A:THR:H	17	0.13
(1,1839)	1:28:A:VAL:HG12	1:174:A:THR:H	17	0.13
(1,1839)	1:28:A:VAL:HG13	1:174:A:THR:H	17	0.13
(1,1833)	1:22:A:ALA:HB1	1:59:A:ASN:HD22	8	0.13
(1,1833)	1:22:A:ALA:HB2	1:59:A:ASN:HD22	8	0.13
(1,1833)	1:22:A:ALA:HB3	1:59:A:ASN:HD22	8	0.13
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG21	11	0.13
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG22	11	0.13
(1,1807)	1:181:A:VAL:H	1:182:A:VAL:HG23	11	0.13
(1,1806)	1:182:A:VAL:HG21	1:183:A:ASN:H	13	0.13
(1,1806)	1:182:A:VAL:HG22	1:183:A:ASN:H	13	0.13
(1,1806)	1:182:A:VAL:HG23	1:183:A:ASN:H	13	0.13
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	6	0.13
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	6	0.13
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	6	0.13
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	7	0.13
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	7	0.13
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	7	0.13
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	15	0.13
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	15	0.13
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	15	0.13
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	9	0.13
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	9	0.13
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	9	0.13
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	9	0.13
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	9	0.13
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	9	0.13
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	9	0.13
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	9	0.13
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	12	0.13
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	12	0.13
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	12	0.13
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	12	0.13
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	12	0.13
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	12	0.13
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	12	0.13
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	12	0.13
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	12	0.13
(1,1788)	1:71:A:VAL:HG21	1:157:A:GLN:H	4	0.13
(1,1788)	1:71:A:VAL:HG22	1:157:A:GLN:H	4	0.13
(1,1788)	1:71:A:VAL:HG23	1:157:A:GLN:H	4	0.13
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG21	18	0.13
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG22	18	0.13
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG23	18	0.13
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB1	12	0.13
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB2	12	0.13
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB3	12	0.13
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB1	12	0.13
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB2	12	0.13
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB3	12	0.13
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB1	12	0.13
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB2	12	0.13
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB3	12	0.13
(1,1670)	1:42:A:LEU:HD11	1:139:A:ALA:H	3	0.13
(1,1670)	1:42:A:LEU:HD12	1:139:A:ALA:H	3	0.13
(1,1670)	1:42:A:LEU:HD13	1:139:A:ALA:H	3	0.13
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG11	7	0.13
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG12	7	0.13
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG13	7	0.13
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG11	8	0.13
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG12	8	0.13
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG13	8	0.13
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG11	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG12	18	0.13
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG13	18	0.13
(1,1641)	1:42:A:LEU:HD11	1:137:A:TYR:H	8	0.13
(1,1641)	1:42:A:LEU:HD12	1:137:A:TYR:H	8	0.13
(1,1641)	1:42:A:LEU:HD13	1:137:A:TYR:H	8	0.13
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG21	13	0.13
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG22	13	0.13
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG23	13	0.13
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG21	13	0.13
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG22	13	0.13
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG23	13	0.13
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG21	13	0.13
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG22	13	0.13
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG23	13	0.13
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG21	15	0.13
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG22	15	0.13
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG23	15	0.13
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG21	15	0.13
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG22	15	0.13
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG23	15	0.13
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG21	15	0.13
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG22	15	0.13
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG23	15	0.13
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD21	2	0.13
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD22	2	0.13
(1,1527)	1:72:A:ALA:HB1	1:74:A:LEU:HD23	2	0.13
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD21	2	0.13
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD22	2	0.13
(1,1527)	1:72:A:ALA:HB2	1:74:A:LEU:HD23	2	0.13
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD21	2	0.13
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD22	2	0.13
(1,1527)	1:72:A:ALA:HB3	1:74:A:LEU:HD23	2	0.13
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	16	0.13
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	16	0.13
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	16	0.13
(1,1472)	1:34:A:LEU:HD11	1:137:A:TYR:H	11	0.13
(1,1472)	1:34:A:LEU:HD12	1:137:A:TYR:H	11	0.13
(1,1472)	1:34:A:LEU:HD13	1:137:A:TYR:H	11	0.13
(1,1435)	1:39:A:THR:HG21	1:145:A:PRO:HG2	19	0.13
(1,1435)	1:39:A:THR:HG22	1:145:A:PRO:HG2	19	0.13
(1,1435)	1:39:A:THR:HG23	1:145:A:PRO:HG2	19	0.13
(1,1376)	1:104:A:LEU:HD21	1:136:A:ARG:H	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1376)	1:104:A:LEU:HD22	1:136:A:ARG:H	2	0.13
(1,1376)	1:104:A:LEU:HD23	1:136:A:ARG:H	2	0.13
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG21	17	0.13
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG22	17	0.13
(1,1367)	1:86:A:LEU:HD21	1:101:A:VAL:HG23	17	0.13
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG21	17	0.13
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG22	17	0.13
(1,1367)	1:86:A:LEU:HD22	1:101:A:VAL:HG23	17	0.13
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG21	17	0.13
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG22	17	0.13
(1,1367)	1:86:A:LEU:HD23	1:101:A:VAL:HG23	17	0.13
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB1	10	0.13
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB2	10	0.13
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB3	10	0.13
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB1	10	0.13
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB2	10	0.13
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB3	10	0.13
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB1	10	0.13
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB2	10	0.13
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB3	10	0.13
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG21	8	0.13
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG22	8	0.13
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG23	8	0.13
(1,1106)	1:74:A:LEU:HB3	1:115:A:GLY:H	13	0.13
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG11	8	0.13
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG12	8	0.13
(1,967)	1:18:A:ASN:HD21	1:65:A:VAL:HG13	8	0.13
(1,844)	1:64:A:ASN:HB3	1:64:A:ASN:HD22	17	0.13
(1,764)	1:91:A:SER:H	1:91:A:SER:HB3	10	0.13
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	6	0.13
(1,467)	1:20:A:ALA:H	1:158:A:TYR:HB2	10	0.13
(1,445)	1:68:A:LYS:H	1:124:A:LEU:HD11	13	0.13
(1,445)	1:68:A:LYS:H	1:124:A:LEU:HD12	13	0.13
(1,445)	1:68:A:LYS:H	1:124:A:LEU:HD13	13	0.13
(1,365)	1:137:A:TYR:HB2	1:138:A:PHE:H	10	0.13
(1,326)	1:122:A:THR:H	1:124:A:LEU:HD21	15	0.13
(1,326)	1:122:A:THR:H	1:124:A:LEU:HD22	15	0.13
(1,326)	1:122:A:THR:H	1:124:A:LEU:HD23	15	0.13
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	6	0.13
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	6	0.13
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	6	0.13
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	10	0.13
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	10	0.13
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG21	14	0.13
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG22	14	0.13
(1,6)	1:32:A:VAL:H	1:175:A:VAL:HG23	14	0.13
(1,3997)	1:124:A:LEU:HD11	1:158:A:TYR:HE1	18	0.12
(1,3997)	1:124:A:LEU:HD11	1:158:A:TYR:HE2	18	0.12
(1,3997)	1:124:A:LEU:HD12	1:158:A:TYR:HE1	18	0.12
(1,3997)	1:124:A:LEU:HD12	1:158:A:TYR:HE2	18	0.12
(1,3997)	1:124:A:LEU:HD13	1:158:A:TYR:HE1	18	0.12
(1,3997)	1:124:A:LEU:HD13	1:158:A:TYR:HE2	18	0.12
(1,3997)	1:124:A:LEU:HD21	1:158:A:TYR:HE1	18	0.12
(1,3997)	1:124:A:LEU:HD21	1:158:A:TYR:HE2	18	0.12
(1,3997)	1:124:A:LEU:HD22	1:158:A:TYR:HE1	18	0.12
(1,3997)	1:124:A:LEU:HD22	1:158:A:TYR:HE2	18	0.12
(1,3997)	1:124:A:LEU:HD23	1:158:A:TYR:HE1	18	0.12
(1,3997)	1:124:A:LEU:HD23	1:158:A:TYR:HE2	18	0.12
(1,3993)	1:156:A:VAL:HB	1:158:A:TYR:HE1	5	0.12
(1,3993)	1:156:A:VAL:HB	1:158:A:TYR:HE2	5	0.12
(1,3979)	1:137:A:TYR:HE1	1:148:A:ALA:HA	9	0.12
(1,3979)	1:137:A:TYR:HE2	1:148:A:ALA:HA	9	0.12
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	3	0.12
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	3	0.12
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	3	0.12
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	15	0.12
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	15	0.12
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	15	0.12
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE1	8	0.12
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE2	8	0.12
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE1	8	0.12
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE2	8	0.12
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE1	8	0.12
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE2	8	0.12
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE1	9	0.12
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE2	9	0.12
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE1	9	0.12
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE2	9	0.12
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE1	9	0.12
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE2	9	0.12
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE1	13	0.12
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE2	13	0.12
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE1	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE2	13	0.12
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE1	13	0.12
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE2	13	0.12
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE1	16	0.12
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE2	16	0.12
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE1	16	0.12
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE2	16	0.12
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE1	16	0.12
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE2	16	0.12
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE1	5	0.12
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE2	5	0.12
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE1	8	0.12
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE2	8	0.12
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE1	11	0.12
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE2	11	0.12
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE1	15	0.12
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE2	15	0.12
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE1	3	0.12
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE2	3	0.12
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE1	3	0.12
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE2	3	0.12
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE1	3	0.12
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE2	3	0.12
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE1	14	0.12
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE2	14	0.12
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE1	14	0.12
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE2	14	0.12
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE1	14	0.12
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE2	14	0.12
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD1	10	0.12
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD2	10	0.12
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD1	10	0.12
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD2	10	0.12
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD1	10	0.12
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD2	10	0.12
(1,3886)	1:151:A:ASP:HA	1:177:A:PHE:HD1	12	0.12
(1,3886)	1:151:A:ASP:HA	1:177:A:PHE:HD2	12	0.12
(1,3882)	1:34:A:LEU:HG	1:177:A:PHE:HD1	9	0.12
(1,3882)	1:34:A:LEU:HG	1:177:A:PHE:HD2	9	0.12
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD1	5	0.12
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD2	5	0.12
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD1	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD2	5	0.12
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD1	5	0.12
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD2	5	0.12
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD1	13	0.12
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD2	13	0.12
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD1	13	0.12
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD2	13	0.12
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD1	13	0.12
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD2	13	0.12
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD1	19	0.12
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD2	19	0.12
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD1	19	0.12
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD2	19	0.12
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD1	19	0.12
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD2	19	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	3	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	3	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	3	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	3	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	3	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	3	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	3	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	3	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	3	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	3	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	3	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	3	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	4	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	4	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	4	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	4	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	4	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	4	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	4	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	4	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	4	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	4	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	4	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	4	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	11	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	11	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	11	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	11	0.12
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	11	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	11	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	11	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	11	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	11	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	11	0.12
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	11	0.12
(1,3847)	1:73:A:PHE:HD1	1:154:A:PHE:HB2	5	0.12
(1,3847)	1:73:A:PHE:HD1	1:154:A:PHE:HB3	5	0.12
(1,3847)	1:73:A:PHE:HD2	1:154:A:PHE:HB2	5	0.12
(1,3847)	1:73:A:PHE:HD2	1:154:A:PHE:HB3	5	0.12
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	5	0.12
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	5	0.12
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	5	0.12
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	5	0.12
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	5	0.12
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	5	0.12
(1,3836)	1:56:A:ILE:HD11	1:154:A:PHE:HD1	8	0.12
(1,3836)	1:56:A:ILE:HD11	1:154:A:PHE:HD2	8	0.12
(1,3836)	1:56:A:ILE:HD12	1:154:A:PHE:HD1	8	0.12
(1,3836)	1:56:A:ILE:HD12	1:154:A:PHE:HD2	8	0.12
(1,3836)	1:56:A:ILE:HD13	1:154:A:PHE:HD1	8	0.12
(1,3836)	1:56:A:ILE:HD13	1:154:A:PHE:HD2	8	0.12
(1,3836)	1:56:A:ILE:HD11	1:154:A:PHE:HD1	16	0.12
(1,3836)	1:56:A:ILE:HD11	1:154:A:PHE:HD2	16	0.12
(1,3836)	1:56:A:ILE:HD12	1:154:A:PHE:HD1	16	0.12
(1,3836)	1:56:A:ILE:HD12	1:154:A:PHE:HD2	16	0.12
(1,3836)	1:56:A:ILE:HD13	1:154:A:PHE:HD1	16	0.12
(1,3836)	1:56:A:ILE:HD13	1:154:A:PHE:HD2	16	0.12
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	15	0.12
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	15	0.12
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	15	0.12
(1,3778)	1:106:A:ARG:HG2	1:107:A:THR:HB	7	0.12
(1,3722)	1:86:A:LEU:HD11	1:177:A:PHE:HE1	12	0.12
(1,3722)	1:86:A:LEU:HD11	1:177:A:PHE:HE2	12	0.12
(1,3722)	1:86:A:LEU:HD12	1:177:A:PHE:HE1	12	0.12
(1,3722)	1:86:A:LEU:HD12	1:177:A:PHE:HE2	12	0.12
(1,3722)	1:86:A:LEU:HD13	1:177:A:PHE:HE1	12	0.12
(1,3722)	1:86:A:LEU:HD13	1:177:A:PHE:HE2	12	0.12
(1,3628)	1:85:A:VAL:HA	1:86:A:LEU:HG	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG21	17	0.12
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG22	17	0.12
(1,3584)	1:107:A:THR:HA	1:107:A:THR:HG23	17	0.12
(1,3565)	1:107:A:THR:HA	1:108:A:GLY:HA2	18	0.12
(1,3479)	1:72:A:ALA:HB1	1:155:A:LYS:HD2	7	0.12
(1,3479)	1:72:A:ALA:HB1	1:155:A:LYS:HD3	7	0.12
(1,3479)	1:72:A:ALA:HB2	1:155:A:LYS:HD2	7	0.12
(1,3479)	1:72:A:ALA:HB2	1:155:A:LYS:HD3	7	0.12
(1,3479)	1:72:A:ALA:HB3	1:155:A:LYS:HD2	7	0.12
(1,3479)	1:72:A:ALA:HB3	1:155:A:LYS:HD3	7	0.12
(1,3469)	1:84:A:ASN:HB2	1:112:A:THR:HA	12	0.12
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	12	0.12
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB1	19	0.12
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB2	19	0.12
(1,3269)	1:159:A:GLN:HG3	1:167:A:ALA:HB3	19	0.12
(1,3214)	1:70:A:ALA:H	1:157:A:GLN:HB2	8	0.12
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG2	17	0.12
(1,3208)	1:104:A:LEU:HB3	1:134:A:GLN:HG3	17	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	1	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	1	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	1	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	4	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	4	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	4	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	5	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	5	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	5	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	20	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	20	0.12
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	20	0.12
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	17	0.12
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	17	0.12
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	17	0.12
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	19	0.12
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	19	0.12
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	19	0.12
(1,3166)	1:104:A:LEU:HD21	1:134:A:GLN:HB3	18	0.12
(1,3166)	1:104:A:LEU:HD22	1:134:A:GLN:HB3	18	0.12
(1,3166)	1:104:A:LEU:HD23	1:134:A:GLN:HB3	18	0.12
(1,2987)	1:64:A:ASN:HB3	1:66:A:ALA:H	10	0.12
(1,2969)	1:18:A:ASN:HB2	1:19:A:ALA:HB1	11	0.12
(1,2969)	1:18:A:ASN:HB2	1:19:A:ALA:HB2	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2969)	1:18:A:ASN:HB2	1:19:A:ALA:HB3	11	0.12
(1,2889)	1:72:A:ALA:HB1	1:155:A:LYS:HE2	12	0.12
(1,2889)	1:72:A:ALA:HB2	1:155:A:LYS:HE2	12	0.12
(1,2889)	1:72:A:ALA:HB3	1:155:A:LYS:HE2	12	0.12
(1,2878)	1:115:A:GLY:HA2	1:155:A:LYS:HE3	8	0.12
(1,2870)	1:31:A:THR:HG21	1:178:A:LYS:HE3	14	0.12
(1,2870)	1:31:A:THR:HG22	1:178:A:LYS:HE3	14	0.12
(1,2870)	1:31:A:THR:HG23	1:178:A:LYS:HE3	14	0.12
(1,2865)	1:149:A:ASN:HD22	1:178:A:LYS:HE3	1	0.12
(1,2865)	1:149:A:ASN:HD21	1:178:A:LYS:HE3	1	0.12
(1,2860)	1:105:A:ASP:HB3	1:119:A:SER:HB3	18	0.12
(1,2851)	1:55:A:ASN:HB2	1:130:A:THR:HA	9	0.12
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD2	20	0.12
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD3	20	0.12
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD2	20	0.12
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD3	20	0.12
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD2	20	0.12
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD3	20	0.12
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD2	20	0.12
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD3	20	0.12
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD2	20	0.12
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD3	20	0.12
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD2	20	0.12
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD3	20	0.12
(1,2799)	1:86:A:LEU:HB3	1:103:A:ILE:HD11	12	0.12
(1,2799)	1:86:A:LEU:HB3	1:103:A:ILE:HD12	12	0.12
(1,2799)	1:86:A:LEU:HB3	1:103:A:ILE:HD13	12	0.12
(1,2718)	1:52:A:VAL:HG11	1:53:A:GLY:HA3	10	0.12
(1,2718)	1:52:A:VAL:HG12	1:53:A:GLY:HA3	10	0.12
(1,2718)	1:52:A:VAL:HG13	1:53:A:GLY:HA3	10	0.12
(1,2655)	1:130:A:THR:HA	1:131:A:ILE:HD11	20	0.12
(1,2655)	1:130:A:THR:HA	1:131:A:ILE:HD12	20	0.12
(1,2655)	1:130:A:THR:HA	1:131:A:ILE:HD13	20	0.12
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	7	0.12
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	7	0.12
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	7	0.12
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	17	0.12
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	17	0.12
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	17	0.12
(1,2561)	1:152:A:ALA:HA	1:153:A:THR:HG21	10	0.12
(1,2561)	1:152:A:ALA:HA	1:153:A:THR:HG22	10	0.12
(1,2561)	1:152:A:ALA:HA	1:153:A:THR:HG23	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2492)	1:103:A:ILE:HG21	1:133:A:PHE:HB2	5	0.12
(1,2492)	1:103:A:ILE:HG22	1:133:A:PHE:HB2	5	0.12
(1,2492)	1:103:A:ILE:HG23	1:133:A:PHE:HB2	5	0.12
(1,2485)	1:103:A:ILE:HG21	1:135:A:ALA:H	12	0.12
(1,2485)	1:103:A:ILE:HG22	1:135:A:ALA:H	12	0.12
(1,2485)	1:103:A:ILE:HG23	1:135:A:ALA:H	12	0.12
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB1	14	0.12
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB2	14	0.12
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB3	14	0.12
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG11	4	0.12
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG12	4	0.12
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG13	4	0.12
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG11	16	0.12
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG12	16	0.12
(1,2414)	1:36:A:GLN:HB2	1:182:A:VAL:HG13	16	0.12
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG11	14	0.12
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG12	14	0.12
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG13	14	0.12
(1,2391)	1:92:A:ALA:HB1	1:93:A:ALA:HA	1	0.12
(1,2391)	1:92:A:ALA:HB2	1:93:A:ALA:HA	1	0.12
(1,2391)	1:92:A:ALA:HB3	1:93:A:ALA:HA	1	0.12
(1,2391)	1:92:A:ALA:HB1	1:93:A:ALA:HA	19	0.12
(1,2391)	1:92:A:ALA:HB2	1:93:A:ALA:HA	19	0.12
(1,2391)	1:92:A:ALA:HB3	1:93:A:ALA:HA	19	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	7	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	7	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	7	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	7	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	7	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	7	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	7	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	7	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	7	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	10	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	10	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	10	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	10	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	10	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	10	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	10	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	10	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	13	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	13	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	13	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	13	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	13	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	13	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	13	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	13	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	13	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	17	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	17	0.12
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	17	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	17	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	17	0.12
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	17	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	17	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	17	0.12
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	17	0.12
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG21	8	0.12
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG22	8	0.12
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG23	8	0.12
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG21	8	0.12
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG22	8	0.12
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG23	8	0.12
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG21	8	0.12
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG22	8	0.12
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG23	8	0.12
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	8	0.12
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	8	0.12
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	8	0.12
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	18	0.12
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	18	0.12
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	18	0.12
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	15	0.12
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD21	14	0.12
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD22	14	0.12
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD23	14	0.12
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD21	14	0.12
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD22	14	0.12
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD23	14	0.12
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD21	14	0.12
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD22	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD23	14	0.12
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	1	0.12
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	1	0.12
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	1	0.12
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	16	0.12
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	16	0.12
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	16	0.12
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	7	0.12
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	7	0.12
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	7	0.12
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	7	0.12
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	7	0.12
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	7	0.12
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	7	0.12
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	7	0.12
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	7	0.12
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	8	0.12
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	8	0.12
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	8	0.12
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	8	0.12
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	8	0.12
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	8	0.12
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	8	0.12
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	8	0.12
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	8	0.12
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	10	0.12
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	10	0.12
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	10	0.12
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	10	0.12
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	10	0.12
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	10	0.12
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	10	0.12
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	10	0.12
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	10	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	2	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	2	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	2	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	4	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	4	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	4	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	10	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	10	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	14	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	14	0.12
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	14	0.12
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB1	14	0.12
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB2	14	0.12
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB3	14	0.12
(1,2207)	1:51:A:ALA:HB1	1:52:A:VAL:H	3	0.12
(1,2207)	1:51:A:ALA:HB2	1:52:A:VAL:H	3	0.12
(1,2207)	1:51:A:ALA:HB3	1:52:A:VAL:H	3	0.12
(1,2207)	1:51:A:ALA:HB1	1:52:A:VAL:H	11	0.12
(1,2207)	1:51:A:ALA:HB2	1:52:A:VAL:H	11	0.12
(1,2207)	1:51:A:ALA:HB3	1:52:A:VAL:H	11	0.12
(1,2206)	1:42:A:LEU:HA	1:43:A:ALA:HB1	11	0.12
(1,2206)	1:42:A:LEU:HA	1:43:A:ALA:HB2	11	0.12
(1,2206)	1:42:A:LEU:HA	1:43:A:ALA:HB3	11	0.12
(1,2206)	1:42:A:LEU:HA	1:43:A:ALA:HB1	19	0.12
(1,2206)	1:42:A:LEU:HA	1:43:A:ALA:HB2	19	0.12
(1,2206)	1:42:A:LEU:HA	1:43:A:ALA:HB3	19	0.12
(1,2178)	1:32:A:VAL:HG11	1:52:A:VAL:HB	20	0.12
(1,2178)	1:32:A:VAL:HG12	1:52:A:VAL:HB	20	0.12
(1,2178)	1:32:A:VAL:HG13	1:52:A:VAL:HB	20	0.12
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	2	0.12
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	2	0.12
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	2	0.12
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	3	0.12
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	3	0.12
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	3	0.12
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	6	0.12
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	6	0.12
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	6	0.12
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	16	0.12
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	16	0.12
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	16	0.12
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	17	0.12
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	17	0.12
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	17	0.12
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	1	0.12
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	1	0.12
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	1	0.12
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	1	0.12
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	1	0.12
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	1	0.12
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	1	0.12
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	1	0.12
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	20	0.12
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	20	0.12
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	20	0.12
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	20	0.12
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	20	0.12
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	20	0.12
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	20	0.12
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	20	0.12
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	20	0.12
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG11	10	0.12
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG12	10	0.12
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG13	10	0.12
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG21	10	0.12
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG22	10	0.12
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG23	10	0.12
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG11	4	0.12
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG12	4	0.12
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG13	4	0.12
(1,2030)	1:159:A:GLN:HA	1:159:A:GLN:HG3	12	0.12
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG21	8	0.12
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG22	8	0.12
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG23	8	0.12
(1,1901)	1:88:A:LEU:HD21	1:99:A:VAL:HG21	12	0.12
(1,1901)	1:88:A:LEU:HD21	1:99:A:VAL:HG22	12	0.12
(1,1901)	1:88:A:LEU:HD21	1:99:A:VAL:HG23	12	0.12
(1,1901)	1:88:A:LEU:HD22	1:99:A:VAL:HG21	12	0.12
(1,1901)	1:88:A:LEU:HD22	1:99:A:VAL:HG22	12	0.12
(1,1901)	1:88:A:LEU:HD22	1:99:A:VAL:HG23	12	0.12
(1,1901)	1:88:A:LEU:HD23	1:99:A:VAL:HG21	12	0.12
(1,1901)	1:88:A:LEU:HD23	1:99:A:VAL:HG22	12	0.12
(1,1901)	1:88:A:LEU:HD23	1:99:A:VAL:HG23	12	0.12
(1,1848)	1:63:A:THR:HG21	1:65:A:VAL:H	1	0.12
(1,1848)	1:63:A:THR:HG22	1:65:A:VAL:H	1	0.12
(1,1848)	1:63:A:THR:HG23	1:65:A:VAL:H	1	0.12
(1,1848)	1:63:A:THR:HG21	1:65:A:VAL:H	14	0.12
(1,1848)	1:63:A:THR:HG22	1:65:A:VAL:H	14	0.12
(1,1848)	1:63:A:THR:HG23	1:65:A:VAL:H	14	0.12
(1,1848)	1:63:A:THR:HG21	1:65:A:VAL:H	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1848)	1:63:A:THR:HG22	1:65:A:VAL:H	17	0.12
(1,1848)	1:63:A:THR:HG23	1:65:A:VAL:H	17	0.12
(1,1836)	1:28:A:VAL:HG21	1:29:A:ASP:H	2	0.12
(1,1836)	1:28:A:VAL:HG22	1:29:A:ASP:H	2	0.12
(1,1836)	1:28:A:VAL:HG23	1:29:A:ASP:H	2	0.12
(1,1836)	1:28:A:VAL:HG21	1:29:A:ASP:H	16	0.12
(1,1836)	1:28:A:VAL:HG22	1:29:A:ASP:H	16	0.12
(1,1836)	1:28:A:VAL:HG23	1:29:A:ASP:H	16	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	6	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	6	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	6	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	7	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	7	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	7	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	12	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	12	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	12	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	15	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	15	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	15	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	19	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	19	0.12
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	19	0.12
(1,1806)	1:182:A:VAL:HG21	1:183:A:ASN:H	11	0.12
(1,1806)	1:182:A:VAL:HG22	1:183:A:ASN:H	11	0.12
(1,1806)	1:182:A:VAL:HG23	1:183:A:ASN:H	11	0.12
(1,1804)	1:182:A:VAL:HG21	1:183:A:ASN:HB2	8	0.12
(1,1804)	1:182:A:VAL:HG22	1:183:A:ASN:HB2	8	0.12
(1,1804)	1:182:A:VAL:HG23	1:183:A:ASN:HB2	8	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	3	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	3	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	3	0.12
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	3	0.12
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	3	0.12
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	3	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	3	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	3	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	3	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	6	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	6	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	6	0.12
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	6	0.12
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	6	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	6	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	6	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	6	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	11	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	11	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	11	0.12
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	11	0.12
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	11	0.12
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	11	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	11	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	11	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	11	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG21	15	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG22	15	0.12
(1,1802)	1:20:A:ALA:HB1	1:65:A:VAL:HG23	15	0.12
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG21	15	0.12
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG22	15	0.12
(1,1802)	1:20:A:ALA:HB2	1:65:A:VAL:HG23	15	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG21	15	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG22	15	0.12
(1,1802)	1:20:A:ALA:HB3	1:65:A:VAL:HG23	15	0.12
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	4	0.12
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	4	0.12
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	4	0.12
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	4	0.12
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	4	0.12
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	4	0.12
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	5	0.12
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	5	0.12
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	5	0.12
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	5	0.12
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	5	0.12
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	5	0.12
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	10	0.12
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	10	0.12
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	10	0.12
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	10	0.12
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	10	0.12
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	10	0.12
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	11	0.12
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	11	0.12
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	11	0.12
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	11	0.12
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	11	0.12
(1,1697)	1:71:A:VAL:HG11	1:72:A:ALA:HA	10	0.12
(1,1697)	1:71:A:VAL:HG12	1:72:A:ALA:HA	10	0.12
(1,1697)	1:71:A:VAL:HG13	1:72:A:ALA:HA	10	0.12
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG21	17	0.12
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG22	17	0.12
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG23	17	0.12
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG21	17	0.12
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG22	17	0.12
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG23	17	0.12
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG21	17	0.12
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG22	17	0.12
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG23	17	0.12
(1,1618)	1:112:A:THR:HG21	1:114:A:ASP:HB3	9	0.12
(1,1618)	1:112:A:THR:HG22	1:114:A:ASP:HB3	9	0.12
(1,1618)	1:112:A:THR:HG23	1:114:A:ASP:HB3	9	0.12
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD11	14	0.12
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD12	14	0.12
(1,1567)	1:102:A:GLN:HB3	1:104:A:LEU:HD13	14	0.12
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB1	3	0.12
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB2	3	0.12
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB3	3	0.12
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB1	3	0.12
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB2	3	0.12
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB3	3	0.12
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB1	3	0.12
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB2	3	0.12
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB3	3	0.12
(1,1476)	1:34:A:LEU:HD11	1:135:A:ALA:HA	2	0.12
(1,1476)	1:34:A:LEU:HD12	1:135:A:ALA:HA	2	0.12
(1,1476)	1:34:A:LEU:HD13	1:135:A:ALA:HA	2	0.12
(1,1472)	1:34:A:LEU:HD11	1:137:A:TYR:H	5	0.12
(1,1472)	1:34:A:LEU:HD12	1:137:A:TYR:H	5	0.12
(1,1472)	1:34:A:LEU:HD13	1:137:A:TYR:H	5	0.12
(1,1452)	1:70:A:ALA:HB1	1:122:A:THR:H	2	0.12
(1,1452)	1:70:A:ALA:HB2	1:122:A:THR:H	2	0.12
(1,1452)	1:70:A:ALA:HB3	1:122:A:THR:H	2	0.12
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	7	0.12
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	7	0.12
(1,1435)	1:39:A:THR:HG21	1:145:A:PRO:HG2	4	0.12
(1,1435)	1:39:A:THR:HG22	1:145:A:PRO:HG2	4	0.12
(1,1435)	1:39:A:THR:HG23	1:145:A:PRO:HG2	4	0.12
(1,1435)	1:39:A:THR:HG21	1:145:A:PRO:HG2	12	0.12
(1,1435)	1:39:A:THR:HG22	1:145:A:PRO:HG2	12	0.12
(1,1435)	1:39:A:THR:HG23	1:145:A:PRO:HG2	12	0.12
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	2	0.12
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	2	0.12
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	2	0.12
(1,1393)	1:48:A:THR:HA	1:138:A:PHE:HB3	20	0.12
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB1	15	0.12
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB2	15	0.12
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB3	15	0.12
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB1	15	0.12
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB2	15	0.12
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB3	15	0.12
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB1	15	0.12
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB2	15	0.12
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB3	15	0.12
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	16	0.12
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	16	0.12
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	16	0.12
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG21	11	0.12
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG22	11	0.12
(1,1238)	1:35:A:GLY:H	1:52:A:VAL:HG23	11	0.12
(1,1071)	1:86:A:LEU:HD21	1:153:A:THR:H	10	0.12
(1,1071)	1:86:A:LEU:HD22	1:153:A:THR:H	10	0.12
(1,1071)	1:86:A:LEU:HD23	1:153:A:THR:H	10	0.12
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	17	0.12
(1,942)	1:24:A:ASP:HB2	1:27:A:SER:H	10	0.12
(1,742)	1:125:A:ASN:H	1:125:A:ASN:HB2	14	0.12
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	14	0.12
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	9	0.12
(1,528)	1:126:A:ASN:H	1:126:A:ASN:HB2	4	0.12
(1,312)	1:5:A:VAL:HG11	1:10:A:VAL:H	6	0.12
(1,312)	1:5:A:VAL:HG12	1:10:A:VAL:H	6	0.12
(1,312)	1:5:A:VAL:HG13	1:10:A:VAL:H	6	0.12
(1,312)	1:5:A:VAL:HG21	1:10:A:VAL:H	6	0.12
(1,312)	1:5:A:VAL:HG22	1:10:A:VAL:H	6	0.12
(1,312)	1:5:A:VAL:HG23	1:10:A:VAL:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:104:A:LEU:HD11	1:109:A:ALA:H	12	0.12
(1,250)	1:104:A:LEU:HD12	1:109:A:ALA:H	12	0.12
(1,250)	1:104:A:LEU:HD13	1:109:A:ALA:H	12	0.12
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	9	0.12
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	9	0.12
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	9	0.12
(1,49)	1:23:A:VAL:HG21	1:57:A:GLN:H	2	0.12
(1,49)	1:23:A:VAL:HG22	1:57:A:GLN:H	2	0.12
(1,49)	1:23:A:VAL:HG23	1:57:A:GLN:H	2	0.12
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE1	1	0.11
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE2	1	0.11
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE1	4	0.11
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE2	4	0.11
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE1	5	0.11
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE2	5	0.11
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE1	11	0.11
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE2	11	0.11
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE1	15	0.11
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE2	15	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	2	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	2	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	2	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	4	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	4	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	4	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	5	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	5	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	5	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	6	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	6	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	6	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	7	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	7	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	7	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	8	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	8	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	8	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	9	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	9	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	9	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	10	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	10	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	13	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	13	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	13	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	14	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	14	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	14	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	15	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	15	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	15	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	17	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	17	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	17	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	18	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	18	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	18	0.11
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	20	0.11
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	20	0.11
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	20	0.11
(1,3964)	1:174:A:THR:HG21	1:176:A:HIS:HD2	3	0.11
(1,3964)	1:174:A:THR:HG22	1:176:A:HIS:HD2	3	0.11
(1,3964)	1:174:A:THR:HG23	1:176:A:HIS:HD2	3	0.11
(1,3964)	1:174:A:THR:HG21	1:176:A:HIS:HD2	17	0.11
(1,3964)	1:174:A:THR:HG22	1:176:A:HIS:HD2	17	0.11
(1,3964)	1:174:A:THR:HG23	1:176:A:HIS:HD2	17	0.11
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	2	0.11
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	2	0.11
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	2	0.11
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	3	0.11
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	3	0.11
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	3	0.11
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	4	0.11
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	4	0.11
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	4	0.11
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	7	0.11
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	7	0.11
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	7	0.11
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	9	0.11
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	9	0.11
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	9	0.11
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	10	0.11
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	10	0.11
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	11	0.11
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	11	0.11
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	11	0.11
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	14	0.11
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	14	0.11
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	14	0.11
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	16	0.11
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	16	0.11
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	16	0.11
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	18	0.11
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	18	0.11
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	18	0.11
(1,3947)	1:71:A:VAL:HB	1:133:A:PHE:HZ	2	0.11
(1,3947)	1:71:A:VAL:HB	1:133:A:PHE:HZ	4	0.11
(1,3947)	1:71:A:VAL:HB	1:133:A:PHE:HZ	8	0.11
(1,3947)	1:71:A:VAL:HB	1:133:A:PHE:HZ	9	0.11
(1,3947)	1:71:A:VAL:HB	1:133:A:PHE:HZ	10	0.11
(1,3947)	1:71:A:VAL:HB	1:133:A:PHE:HZ	11	0.11
(1,3947)	1:71:A:VAL:HB	1:133:A:PHE:HZ	19	0.11
(1,3927)	1:73:A:PHE:HE1	1:152:A:ALA:HB1	9	0.11
(1,3927)	1:73:A:PHE:HE1	1:152:A:ALA:HB2	9	0.11
(1,3927)	1:73:A:PHE:HE1	1:152:A:ALA:HB3	9	0.11
(1,3927)	1:73:A:PHE:HE2	1:152:A:ALA:HB1	9	0.11
(1,3927)	1:73:A:PHE:HE2	1:152:A:ALA:HB2	9	0.11
(1,3927)	1:73:A:PHE:HE2	1:152:A:ALA:HB3	9	0.11
(1,3919)	1:45:A:GLU:HG2	1:138:A:PHE:HE1	2	0.11
(1,3919)	1:45:A:GLU:HG2	1:138:A:PHE:HE2	2	0.11
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE1	4	0.11
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE2	4	0.11
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE1	4	0.11
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE2	4	0.11
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE1	4	0.11
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE2	4	0.11
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE1	11	0.11
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE2	11	0.11
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE1	11	0.11
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE2	11	0.11
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE1	11	0.11
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE2	11	0.11
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE1	12	0.11
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE2	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE1	12	0.11
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE2	12	0.11
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE1	12	0.11
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE2	12	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD11	2	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD12	2	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD13	2	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD11	2	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD12	2	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD13	2	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD11	4	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD12	4	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD13	4	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD11	4	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD12	4	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD13	4	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD11	10	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD12	10	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD13	10	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD11	10	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD12	10	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD13	10	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD11	11	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD12	11	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD13	11	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD11	11	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD12	11	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD13	11	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD11	17	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD12	17	0.11
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD13	17	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD11	17	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD12	17	0.11
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD13	17	0.11
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE1	4	0.11
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE2	4	0.11
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE1	9	0.11
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE2	9	0.11
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE1	10	0.11
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE2	10	0.11
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE1	17	0.11
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE1	19	0.11
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE2	19	0.11
(1,3904)	1:56:A:ILE:HB	1:133:A:PHE:HE1	15	0.11
(1,3904)	1:56:A:ILE:HB	1:133:A:PHE:HE2	15	0.11
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD1	4	0.11
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD2	4	0.11
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD1	4	0.11
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD2	4	0.11
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD1	4	0.11
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD2	4	0.11
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD1	5	0.11
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD2	5	0.11
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD1	5	0.11
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD2	5	0.11
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD1	5	0.11
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD2	5	0.11
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD1	7	0.11
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD2	7	0.11
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD1	7	0.11
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD2	7	0.11
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD1	7	0.11
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD2	7	0.11
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD1	9	0.11
(1,3896)	1:135:A:ALA:HB1	1:177:A:PHE:HD2	9	0.11
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD1	9	0.11
(1,3896)	1:135:A:ALA:HB2	1:177:A:PHE:HD2	9	0.11
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD1	9	0.11
(1,3896)	1:135:A:ALA:HB3	1:177:A:PHE:HD2	9	0.11
(1,3887)	1:34:A:LEU:HD11	1:177:A:PHE:HD1	9	0.11
(1,3887)	1:34:A:LEU:HD11	1:177:A:PHE:HD2	9	0.11
(1,3887)	1:34:A:LEU:HD12	1:177:A:PHE:HD1	9	0.11
(1,3887)	1:34:A:LEU:HD12	1:177:A:PHE:HD2	9	0.11
(1,3887)	1:34:A:LEU:HD13	1:177:A:PHE:HD1	9	0.11
(1,3887)	1:34:A:LEU:HD13	1:177:A:PHE:HD2	9	0.11
(1,3885)	1:32:A:VAL:H	1:177:A:PHE:HD1	8	0.11
(1,3885)	1:32:A:VAL:H	1:177:A:PHE:HD2	8	0.11
(1,3885)	1:32:A:VAL:H	1:177:A:PHE:HD1	15	0.11
(1,3885)	1:32:A:VAL:H	1:177:A:PHE:HD2	15	0.11
(1,3883)	1:32:A:VAL:HG11	1:177:A:PHE:HD1	9	0.11
(1,3883)	1:32:A:VAL:HG11	1:177:A:PHE:HD2	9	0.11
(1,3883)	1:32:A:VAL:HG12	1:177:A:PHE:HD1	9	0.11
(1,3883)	1:32:A:VAL:HG12	1:177:A:PHE:HD2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3883)	1:32:A:VAL:HG13	1:177:A:PHE:HD1	9	0.11
(1,3883)	1:32:A:VAL:HG13	1:177:A:PHE:HD2	9	0.11
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD1	3	0.11
(1,3879)	1:34:A:LEU:HD21	1:137:A:TYR:HD2	3	0.11
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD1	3	0.11
(1,3879)	1:34:A:LEU:HD22	1:137:A:TYR:HD2	3	0.11
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD1	3	0.11
(1,3879)	1:34:A:LEU:HD23	1:137:A:TYR:HD2	3	0.11
(1,3876)	1:37:A:VAL:HB	1:137:A:TYR:HD1	15	0.11
(1,3876)	1:37:A:VAL:HB	1:137:A:TYR:HD2	15	0.11
(1,3873)	1:99:A:VAL:HG11	1:137:A:TYR:HD1	12	0.11
(1,3873)	1:99:A:VAL:HG11	1:137:A:TYR:HD2	12	0.11
(1,3873)	1:99:A:VAL:HG12	1:137:A:TYR:HD1	12	0.11
(1,3873)	1:99:A:VAL:HG12	1:137:A:TYR:HD2	12	0.11
(1,3873)	1:99:A:VAL:HG13	1:137:A:TYR:HD1	12	0.11
(1,3873)	1:99:A:VAL:HG13	1:137:A:TYR:HD2	12	0.11
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD1	14	0.11
(1,3866)	1:10:A:VAL:HG11	1:12:A:PHE:HD2	14	0.11
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD1	14	0.11
(1,3866)	1:10:A:VAL:HG12	1:12:A:PHE:HD2	14	0.11
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD1	14	0.11
(1,3866)	1:10:A:VAL:HG13	1:12:A:PHE:HD2	14	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD1	1	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD2	1	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD1	1	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD2	1	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD1	1	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD2	1	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD1	14	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD2	14	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD1	14	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD2	14	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD1	14	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD2	14	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD1	15	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD2	15	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD1	15	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD2	15	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD1	15	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD2	15	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD1	16	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD2	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD1	16	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD2	16	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD1	16	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD2	16	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD1	18	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD2	18	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD1	18	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD2	18	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD1	18	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD2	18	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD1	20	0.11
(1,3862)	1:71:A:VAL:HG11	1:133:A:PHE:HD2	20	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD1	20	0.11
(1,3862)	1:71:A:VAL:HG12	1:133:A:PHE:HD2	20	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD1	20	0.11
(1,3862)	1:71:A:VAL:HG13	1:133:A:PHE:HD2	20	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	5	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	5	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	5	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	5	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	5	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	5	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	5	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	5	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	5	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	5	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	5	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	5	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	6	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	6	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	6	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	6	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	6	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	6	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	6	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	6	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	6	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	6	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	6	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	6	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	15	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	15	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	15	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	15	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	15	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	15	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	15	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	15	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	15	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	15	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	15	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD11	17	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD12	17	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD13	17	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD21	17	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD22	17	0.11
(1,3853)	1:73:A:PHE:HD1	1:113:A:LEU:HD23	17	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD11	17	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD12	17	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD13	17	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD21	17	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD22	17	0.11
(1,3853)	1:73:A:PHE:HD2	1:113:A:LEU:HD23	17	0.11
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG11	11	0.11
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG12	11	0.11
(1,3839)	1:154:A:PHE:HD1	1:156:A:VAL:HG13	11	0.11
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG11	11	0.11
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG12	11	0.11
(1,3839)	1:154:A:PHE:HD2	1:156:A:VAL:HG13	11	0.11
(1,3823)	1:54:A:PHE:HD1	1:134:A:GLN:HA	15	0.11
(1,3823)	1:54:A:PHE:HD2	1:134:A:GLN:HA	15	0.11
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG21	10	0.11
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG22	10	0.11
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG23	10	0.11
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG21	10	0.11
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG22	10	0.11
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG23	10	0.11
(1,3800)	1:74:A:LEU:HD11	1:114:A:ASP:HB3	10	0.11
(1,3800)	1:74:A:LEU:HD12	1:114:A:ASP:HB3	10	0.11
(1,3800)	1:74:A:LEU:HD13	1:114:A:ASP:HB3	10	0.11
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	7	0.11
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	7	0.11
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3781)	1:74:A:LEU:HD11	1:153:A:THR:H	11	0.11
(1,3781)	1:74:A:LEU:HD12	1:153:A:THR:H	11	0.11
(1,3781)	1:74:A:LEU:HD13	1:153:A:THR:H	11	0.11
(1,3729)	1:123:A:THR:HA	1:124:A:LEU:HG	18	0.11
(1,3638)	1:145:A:PRO:HG2	1:182:A:VAL:HA	9	0.11
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD1	3	0.11
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD2	3	0.11
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD1	3	0.11
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD2	3	0.11
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD1	3	0.11
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD2	3	0.11
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD1	15	0.11
(1,3593)	1:42:A:LEU:HD21	1:137:A:TYR:HD2	15	0.11
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD1	15	0.11
(1,3593)	1:42:A:LEU:HD22	1:137:A:TYR:HD2	15	0.11
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD1	15	0.11
(1,3593)	1:42:A:LEU:HD23	1:137:A:TYR:HD2	15	0.11
(1,3540)	1:45:A:GLU:HB2	1:47:A:ALA:H	5	0.11
(1,3540)	1:45:A:GLU:HB2	1:47:A:ALA:H	20	0.11
(1,3354)	1:44:A:GLN:HB3	1:45:A:GLU:H	7	0.11
(1,3278)	1:39:A:THR:HB	1:143:A:ALA:HB1	15	0.11
(1,3278)	1:39:A:THR:HB	1:143:A:ALA:HB2	15	0.11
(1,3278)	1:39:A:THR:HB	1:143:A:ALA:HB3	15	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	2	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	2	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	2	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	3	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	3	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	3	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	6	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	6	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	6	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	8	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	8	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	8	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	12	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	12	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	12	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	13	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	13	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	13	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	14	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	14	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	15	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	15	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	15	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	16	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	16	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	16	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	18	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	18	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	18	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	19	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	19	0.11
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	19	0.11
(1,3184)	1:52:A:VAL:H	1:52:A:VAL:HB	19	0.11
(1,3172)	1:86:A:LEU:HD21	1:101:A:VAL:HB	3	0.11
(1,3172)	1:86:A:LEU:HD22	1:101:A:VAL:HB	3	0.11
(1,3172)	1:86:A:LEU:HD23	1:101:A:VAL:HB	3	0.11
(1,3169)	1:104:A:LEU:HD21	1:134:A:GLN:HB2	4	0.11
(1,3169)	1:104:A:LEU:HD22	1:134:A:GLN:HB2	4	0.11
(1,3169)	1:104:A:LEU:HD23	1:134:A:GLN:HB2	4	0.11
(1,3085)	1:4:A:THR:HB	1:5:A:VAL:HG11	15	0.11
(1,3085)	1:4:A:THR:HB	1:5:A:VAL:HG12	15	0.11
(1,3085)	1:4:A:THR:HB	1:5:A:VAL:HG13	15	0.11
(1,3085)	1:4:A:THR:HB	1:5:A:VAL:HG21	15	0.11
(1,3085)	1:4:A:THR:HB	1:5:A:VAL:HG22	15	0.11
(1,3085)	1:4:A:THR:HB	1:5:A:VAL:HG23	15	0.11
(1,2923)	1:61:A:CYS:HB2	1:62:A:ASP:H	14	0.11
(1,2891)	1:68:A:LYS:HE2	1:159:A:GLN:HA	7	0.11
(1,2891)	1:68:A:LYS:HE3	1:159:A:GLN:HA	7	0.11
(1,2889)	1:72:A:ALA:HB1	1:155:A:LYS:HE2	10	0.11
(1,2889)	1:72:A:ALA:HB2	1:155:A:LYS:HE2	10	0.11
(1,2889)	1:72:A:ALA:HB3	1:155:A:LYS:HE2	10	0.11
(1,2884)	1:72:A:ALA:HB1	1:155:A:LYS:HE3	14	0.11
(1,2884)	1:72:A:ALA:HB2	1:155:A:LYS:HE3	14	0.11
(1,2884)	1:72:A:ALA:HB3	1:155:A:LYS:HE3	14	0.11
(1,2876)	1:31:A:THR:HG21	1:178:A:LYS:HE2	19	0.11
(1,2876)	1:31:A:THR:HG22	1:178:A:LYS:HE2	19	0.11
(1,2876)	1:31:A:THR:HG23	1:178:A:LYS:HE2	19	0.11
(1,2849)	1:55:A:ASN:HB2	1:56:A:ILE:H	6	0.11
(1,2843)	1:55:A:ASN:H	1:55:A:ASN:HB3	3	0.11
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD3	2	0.11
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD2	2	0.11
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD3	2	0.11
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD2	2	0.11
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD3	2	0.11
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD2	2	0.11
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD3	2	0.11
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD2	2	0.11
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD3	2	0.11
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD2	2	0.11
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD3	2	0.11
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD2	5	0.11
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD3	5	0.11
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD2	5	0.11
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD3	5	0.11
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD2	5	0.11
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD3	5	0.11
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD2	5	0.11
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD3	5	0.11
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD2	5	0.11
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD3	5	0.11
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD2	5	0.11
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD3	5	0.11
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD2	6	0.11
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD3	6	0.11
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD2	6	0.11
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD3	6	0.11
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD2	6	0.11
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD3	6	0.11
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD2	6	0.11
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD3	6	0.11
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD2	6	0.11
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD3	6	0.11
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD2	6	0.11
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD3	6	0.11
(1,2743)	1:74:A:LEU:HG	1:75:A:GLY:HA3	10	0.11
(1,2683)	1:162:A:GLY:HA2	1:163:A:GLY:H	18	0.11
(1,2655)	1:130:A:THR:HA	1:131:A:ILE:HD11	16	0.11
(1,2655)	1:130:A:THR:HA	1:131:A:ILE:HD12	16	0.11
(1,2655)	1:130:A:THR:HA	1:131:A:ILE:HD13	16	0.11
(1,2644)	1:54:A:PHE:HZ	1:103:A:ILE:HD11	20	0.11
(1,2644)	1:54:A:PHE:HZ	1:103:A:ILE:HD12	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2644)	1:54:A:PHE:HZ	1:103:A:ILE:HD13	20	0.11
(1,2625)	1:78:A:ILE:HD11	1:82:A:HIS:HD2	12	0.11
(1,2625)	1:78:A:ILE:HD12	1:82:A:HIS:HD2	12	0.11
(1,2625)	1:78:A:ILE:HD13	1:82:A:HIS:HD2	12	0.11
(1,2624)	1:70:A:ALA:HB1	1:72:A:ALA:HA	3	0.11
(1,2624)	1:70:A:ALA:HB2	1:72:A:ALA:HA	3	0.11
(1,2624)	1:70:A:ALA:HB3	1:72:A:ALA:HA	3	0.11
(1,2624)	1:70:A:ALA:HB1	1:72:A:ALA:HA	5	0.11
(1,2624)	1:70:A:ALA:HB2	1:72:A:ALA:HA	5	0.11
(1,2624)	1:70:A:ALA:HB3	1:72:A:ALA:HA	5	0.11
(1,2624)	1:70:A:ALA:HB1	1:72:A:ALA:HA	11	0.11
(1,2624)	1:70:A:ALA:HB2	1:72:A:ALA:HA	11	0.11
(1,2624)	1:70:A:ALA:HB3	1:72:A:ALA:HA	11	0.11
(1,2624)	1:70:A:ALA:HB1	1:72:A:ALA:HA	17	0.11
(1,2624)	1:70:A:ALA:HB2	1:72:A:ALA:HA	17	0.11
(1,2624)	1:70:A:ALA:HB3	1:72:A:ALA:HA	17	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	2	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	2	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	2	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	3	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	3	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	3	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	5	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	5	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	5	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	10	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	10	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	10	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	14	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	14	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	14	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	18	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	18	0.11
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	18	0.11
(1,2572)	1:125:A:ASN:HA	1:129:A:ASN:HD22	3	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB1	4	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB2	4	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB3	4	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB1	5	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB2	5	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB3	5	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB1	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB2	7	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB3	7	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB1	8	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB2	8	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB3	8	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB1	12	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB2	12	0.11
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB3	12	0.11
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG11	18	0.11
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG12	18	0.11
(1,2409)	1:37:A:VAL:H	1:182:A:VAL:HG13	18	0.11
(1,2391)	1:92:A:ALA:HB1	1:93:A:ALA:HA	18	0.11
(1,2391)	1:92:A:ALA:HB2	1:93:A:ALA:HA	18	0.11
(1,2391)	1:92:A:ALA:HB3	1:93:A:ALA:HA	18	0.11
(1,2372)	1:56:A:ILE:HD11	1:131:A:ILE:HG21	3	0.11
(1,2372)	1:56:A:ILE:HD11	1:131:A:ILE:HG22	3	0.11
(1,2372)	1:56:A:ILE:HD11	1:131:A:ILE:HG23	3	0.11
(1,2372)	1:56:A:ILE:HD12	1:131:A:ILE:HG21	3	0.11
(1,2372)	1:56:A:ILE:HD12	1:131:A:ILE:HG22	3	0.11
(1,2372)	1:56:A:ILE:HD12	1:131:A:ILE:HG23	3	0.11
(1,2372)	1:56:A:ILE:HD13	1:131:A:ILE:HG21	3	0.11
(1,2372)	1:56:A:ILE:HD13	1:131:A:ILE:HG22	3	0.11
(1,2372)	1:56:A:ILE:HD13	1:131:A:ILE:HG23	3	0.11
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	3	0.11
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	3	0.11
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	3	0.11
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	3	0.11
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	3	0.11
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	3	0.11
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	3	0.11
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	3	0.11
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	3	0.11
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	6	0.11
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	6	0.11
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	6	0.11
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	6	0.11
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	6	0.11
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	6	0.11
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	6	0.11
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	6	0.11
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	6	0.11
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	16	0.11
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	16	0.11
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	16	0.11
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	16	0.11
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	16	0.11
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	16	0.11
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	16	0.11
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	16	0.11
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG21	10	0.11
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG22	10	0.11
(1,2368)	1:71:A:VAL:HG21	1:131:A:ILE:HG23	10	0.11
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG21	10	0.11
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG22	10	0.11
(1,2368)	1:71:A:VAL:HG22	1:131:A:ILE:HG23	10	0.11
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG21	10	0.11
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG22	10	0.11
(1,2368)	1:71:A:VAL:HG23	1:131:A:ILE:HG23	10	0.11
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	20	0.11
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	20	0.11
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	20	0.11
(1,2334)	1:170:A:VAL:HG11	1:171:A:ASN:HA	17	0.11
(1,2334)	1:170:A:VAL:HG12	1:171:A:ASN:HA	17	0.11
(1,2334)	1:170:A:VAL:HG13	1:171:A:ASN:HA	17	0.11
(1,2330)	1:169:A:THR:HA	1:170:A:VAL:HG11	8	0.11
(1,2330)	1:169:A:THR:HA	1:170:A:VAL:HG12	8	0.11
(1,2330)	1:169:A:THR:HA	1:170:A:VAL:HG13	8	0.11
(1,2317)	1:44:A:GLN:HA	1:141:A:GLY:HA3	1	0.11
(1,2272)	1:166:A:ALA:HB1	1:167:A:ALA:H	1	0.11
(1,2272)	1:166:A:ALA:HB2	1:167:A:ALA:H	1	0.11
(1,2272)	1:166:A:ALA:HB3	1:167:A:ALA:H	1	0.11
(1,2266)	1:47:A:ALA:HB1	1:49:A:SER:H	16	0.11
(1,2266)	1:47:A:ALA:HB2	1:49:A:SER:H	16	0.11
(1,2266)	1:47:A:ALA:HB3	1:49:A:SER:H	16	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	1	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	1	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	1	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	1	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	1	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	1	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	1	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	1	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	3	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	3	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	3	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	3	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	3	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	3	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	3	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	3	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	3	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	4	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	4	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	4	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	4	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	4	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	4	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	4	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	4	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	4	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	6	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	6	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	6	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	6	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	6	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	6	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	6	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	6	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	6	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	13	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	13	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	13	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	13	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	13	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	13	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	13	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	13	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	13	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	15	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	15	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	15	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	15	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	15	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	15	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	15	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	15	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	16	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	16	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	16	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	16	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	16	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	16	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	16	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	16	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	16	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	17	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	17	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	17	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	17	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	17	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	17	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	17	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	17	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	17	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	20	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	20	0.11
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	20	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	20	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	20	0.11
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	20	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	20	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	20	0.11
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	20	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	1	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	1	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	1	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	3	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	3	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	3	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	13	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	13	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	13	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	17	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	17	0.11
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB1	11	0.11
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB2	11	0.11
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB3	11	0.11
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB1	15	0.11
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB2	15	0.11
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB3	15	0.11
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB1	18	0.11
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB2	18	0.11
(1,2208)	1:51:A:ALA:H	1:51:A:ALA:HB3	18	0.11
(1,2178)	1:32:A:VAL:HG11	1:52:A:VAL:HB	5	0.11
(1,2178)	1:32:A:VAL:HG12	1:52:A:VAL:HB	5	0.11
(1,2178)	1:32:A:VAL:HG13	1:52:A:VAL:HB	5	0.11
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	4	0.11
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	4	0.11
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	4	0.11
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	7	0.11
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	7	0.11
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	7	0.11
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	10	0.11
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	10	0.11
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	10	0.11
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	12	0.11
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	12	0.11
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	12	0.11
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	14	0.11
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	14	0.11
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	14	0.11
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	18	0.11
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	18	0.11
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	18	0.11
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	19	0.11
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	19	0.11
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	19	0.11
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	20	0.11
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	20	0.11
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	20	0.11
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG11	3	0.11
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG12	3	0.11
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG13	3	0.11
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG21	3	0.11
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG22	3	0.11
(1,2135)	1:12:A:PHE:HB2	1:17:A:VAL:HG23	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:61:A:CYS:HB3	1:126:A:ASN:HA	9	0.11
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG21	14	0.11
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG22	14	0.11
(1,2107)	1:9:A:THR:HG21	1:10:A:VAL:HG23	14	0.11
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG21	14	0.11
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG22	14	0.11
(1,2107)	1:9:A:THR:HG22	1:10:A:VAL:HG23	14	0.11
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG21	14	0.11
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG22	14	0.11
(1,2107)	1:9:A:THR:HG23	1:10:A:VAL:HG23	14	0.11
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG11	13	0.11
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG12	13	0.11
(1,2074)	1:156:A:VAL:H	1:156:A:VAL:HG13	13	0.11
(1,2032)	1:77:A:ALA:HB1	1:86:A:LEU:HA	12	0.11
(1,2032)	1:77:A:ALA:HB2	1:86:A:LEU:HA	12	0.11
(1,2032)	1:77:A:ALA:HB3	1:86:A:LEU:HA	12	0.11
(1,2031)	1:159:A:GLN:HA	1:167:A:ALA:HB1	12	0.11
(1,2031)	1:159:A:GLN:HA	1:167:A:ALA:HB2	12	0.11
(1,2031)	1:159:A:GLN:HA	1:167:A:ALA:HB3	12	0.11
(1,2023)	1:68:A:LYS:HA	1:124:A:LEU:HG	9	0.11
(1,2023)	1:68:A:LYS:HA	1:124:A:LEU:HG	10	0.11
(1,2023)	1:68:A:LYS:HA	1:124:A:LEU:HG	13	0.11
(1,2023)	1:68:A:LYS:HA	1:124:A:LEU:HG	15	0.11
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD11	1	0.11
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD12	1	0.11
(1,2001)	1:86:A:LEU:HA	1:86:A:LEU:HD13	1	0.11
(1,1985)	1:99:A:VAL:HG11	1:137:A:TYR:HE1	12	0.11
(1,1985)	1:99:A:VAL:HG11	1:137:A:TYR:HE2	12	0.11
(1,1985)	1:99:A:VAL:HG12	1:137:A:TYR:HE1	12	0.11
(1,1985)	1:99:A:VAL:HG12	1:137:A:TYR:HE2	12	0.11
(1,1985)	1:99:A:VAL:HG13	1:137:A:TYR:HE1	12	0.11
(1,1985)	1:99:A:VAL:HG13	1:137:A:TYR:HE2	12	0.11
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG21	9	0.11
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG22	9	0.11
(1,1982)	1:151:A:ASP:HB3	1:174:A:THR:HG23	9	0.11
(1,1915)	1:18:A:ASN:HA	1:168:A:THR:HG21	11	0.11
(1,1915)	1:18:A:ASN:HA	1:168:A:THR:HG22	11	0.11
(1,1915)	1:18:A:ASN:HA	1:168:A:THR:HG23	11	0.11
(1,1907)	1:117:A:THR:HG21	1:118:A:PHE:H	6	0.11
(1,1907)	1:117:A:THR:HG22	1:118:A:PHE:H	6	0.11
(1,1907)	1:117:A:THR:HG23	1:118:A:PHE:H	6	0.11
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG21	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG22	8	0.11
(1,1860)	1:145:A:PRO:HA	1:182:A:VAL:HG23	8	0.11
(1,1848)	1:63:A:THR:HG21	1:65:A:VAL:H	5	0.11
(1,1848)	1:63:A:THR:HG22	1:65:A:VAL:H	5	0.11
(1,1848)	1:63:A:THR:HG23	1:65:A:VAL:H	5	0.11
(1,1848)	1:63:A:THR:HG21	1:65:A:VAL:H	7	0.11
(1,1848)	1:63:A:THR:HG22	1:65:A:VAL:H	7	0.11
(1,1848)	1:63:A:THR:HG23	1:65:A:VAL:H	7	0.11
(1,1848)	1:63:A:THR:HG21	1:65:A:VAL:H	8	0.11
(1,1848)	1:63:A:THR:HG22	1:65:A:VAL:H	8	0.11
(1,1848)	1:63:A:THR:HG23	1:65:A:VAL:H	8	0.11
(1,1848)	1:63:A:THR:HG21	1:65:A:VAL:H	13	0.11
(1,1848)	1:63:A:THR:HG22	1:65:A:VAL:H	13	0.11
(1,1848)	1:63:A:THR:HG23	1:65:A:VAL:H	13	0.11
(1,1848)	1:63:A:THR:HG21	1:65:A:VAL:H	15	0.11
(1,1848)	1:63:A:THR:HG22	1:65:A:VAL:H	15	0.11
(1,1848)	1:63:A:THR:HG23	1:65:A:VAL:H	15	0.11
(1,1848)	1:63:A:THR:HG21	1:65:A:VAL:H	19	0.11
(1,1848)	1:63:A:THR:HG22	1:65:A:VAL:H	19	0.11
(1,1848)	1:63:A:THR:HG23	1:65:A:VAL:H	19	0.11
(1,1848)	1:63:A:THR:HG21	1:65:A:VAL:H	20	0.11
(1,1848)	1:63:A:THR:HG22	1:65:A:VAL:H	20	0.11
(1,1848)	1:63:A:THR:HG23	1:65:A:VAL:H	20	0.11
(1,1839)	1:28:A:VAL:HG11	1:174:A:THR:H	12	0.11
(1,1839)	1:28:A:VAL:HG12	1:174:A:THR:H	12	0.11
(1,1839)	1:28:A:VAL:HG13	1:174:A:THR:H	12	0.11
(1,1836)	1:28:A:VAL:HG21	1:29:A:ASP:H	6	0.11
(1,1836)	1:28:A:VAL:HG22	1:29:A:ASP:H	6	0.11
(1,1836)	1:28:A:VAL:HG23	1:29:A:ASP:H	6	0.11
(1,1831)	1:22:A:ALA:HB1	1:23:A:VAL:H	19	0.11
(1,1831)	1:22:A:ALA:HB2	1:23:A:VAL:H	19	0.11
(1,1831)	1:22:A:ALA:HB3	1:23:A:VAL:H	19	0.11
(1,1819)	1:9:A:THR:HG21	1:11:A:HIS:HA	2	0.11
(1,1819)	1:9:A:THR:HG22	1:11:A:HIS:HA	2	0.11
(1,1819)	1:9:A:THR:HG23	1:11:A:HIS:HA	2	0.11
(1,1819)	1:9:A:THR:HG21	1:11:A:HIS:HA	15	0.11
(1,1819)	1:9:A:THR:HG22	1:11:A:HIS:HA	15	0.11
(1,1819)	1:9:A:THR:HG23	1:11:A:HIS:HA	15	0.11
(1,1818)	1:148:A:ALA:HA	1:180:A:GLU:HA	12	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	2	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	2	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	3	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	3	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	3	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	4	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	4	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	4	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	9	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	9	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	9	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	10	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	10	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	10	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	11	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	11	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	11	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	13	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	13	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	13	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	16	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	16	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	16	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	17	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	17	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	17	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	18	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	18	0.11
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	18	0.11
(1,1806)	1:182:A:VAL:HG21	1:183:A:ASN:H	6	0.11
(1,1806)	1:182:A:VAL:HG22	1:183:A:ASN:H	6	0.11
(1,1806)	1:182:A:VAL:HG23	1:183:A:ASN:H	6	0.11
(1,1806)	1:182:A:VAL:HG21	1:183:A:ASN:H	10	0.11
(1,1806)	1:182:A:VAL:HG22	1:183:A:ASN:H	10	0.11
(1,1806)	1:182:A:VAL:HG23	1:183:A:ASN:H	10	0.11
(1,1803)	1:70:A:ALA:HB1	1:71:A:VAL:HG21	8	0.11
(1,1803)	1:70:A:ALA:HB1	1:71:A:VAL:HG22	8	0.11
(1,1803)	1:70:A:ALA:HB1	1:71:A:VAL:HG23	8	0.11
(1,1803)	1:70:A:ALA:HB2	1:71:A:VAL:HG21	8	0.11
(1,1803)	1:70:A:ALA:HB2	1:71:A:VAL:HG22	8	0.11
(1,1803)	1:70:A:ALA:HB2	1:71:A:VAL:HG23	8	0.11
(1,1803)	1:70:A:ALA:HB3	1:71:A:VAL:HG21	8	0.11
(1,1803)	1:70:A:ALA:HB3	1:71:A:VAL:HG22	8	0.11
(1,1803)	1:70:A:ALA:HB3	1:71:A:VAL:HG23	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1796)	1:25:A:ALA:HA	1:28:A:VAL:HB	20	0.11
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	2	0.11
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	2	0.11
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	2	0.11
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	2	0.11
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	2	0.11
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	2	0.11
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	13	0.11
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	13	0.11
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	13	0.11
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	13	0.11
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	13	0.11
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	13	0.11
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE1	16	0.11
(1,1785)	1:130:A:THR:HG21	1:133:A:PHE:HE2	16	0.11
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE1	16	0.11
(1,1785)	1:130:A:THR:HG22	1:133:A:PHE:HE2	16	0.11
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE1	16	0.11
(1,1785)	1:130:A:THR:HG23	1:133:A:PHE:HE2	16	0.11
(1,1745)	1:23:A:VAL:HG11	1:172:A:GLY:HA2	12	0.11
(1,1745)	1:23:A:VAL:HG12	1:172:A:GLY:HA2	12	0.11
(1,1745)	1:23:A:VAL:HG13	1:172:A:GLY:HA2	12	0.11
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	1	0.11
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	1	0.11
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	1	0.11
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	12	0.11
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	12	0.11
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	12	0.11
(1,1692)	1:101:A:VAL:HG11	1:138:A:PHE:H	20	0.11
(1,1692)	1:101:A:VAL:HG12	1:138:A:PHE:H	20	0.11
(1,1692)	1:101:A:VAL:HG13	1:138:A:PHE:H	20	0.11
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG21	14	0.11
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG22	14	0.11
(1,1690)	1:144:A:THR:H	1:181:A:VAL:HG23	14	0.11
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB1	20	0.11
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB2	20	0.11
(1,1681)	1:42:A:LEU:HD11	1:139:A:ALA:HB3	20	0.11
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB1	20	0.11
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB2	20	0.11
(1,1681)	1:42:A:LEU:HD12	1:139:A:ALA:HB3	20	0.11
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB1	20	0.11
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB2	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:42:A:LEU:HD13	1:139:A:ALA:HB3	20	0.11
(1,1669)	1:42:A:LEU:HD11	1:138:A:PHE:H	6	0.11
(1,1669)	1:42:A:LEU:HD12	1:138:A:PHE:H	6	0.11
(1,1669)	1:42:A:LEU:HD13	1:138:A:PHE:H	6	0.11
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG11	5	0.11
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG12	5	0.11
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG13	5	0.11
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG11	13	0.11
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG12	13	0.11
(1,1645)	1:100:A:GLY:HA2	1:101:A:VAL:HG13	13	0.11
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG21	5	0.11
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG22	5	0.11
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG23	5	0.11
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG21	5	0.11
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG22	5	0.11
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG23	5	0.11
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG21	5	0.11
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG22	5	0.11
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG23	5	0.11
(1,1619)	1:84:A:ASN:HB2	1:112:A:THR:HG21	6	0.11
(1,1619)	1:84:A:ASN:HB2	1:112:A:THR:HG22	6	0.11
(1,1619)	1:84:A:ASN:HB2	1:112:A:THR:HG23	6	0.11
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG21	14	0.11
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG22	14	0.11
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG23	14	0.11
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG21	19	0.11
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG22	19	0.11
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG23	19	0.11
(1,1610)	1:32:A:VAL:HG11	1:54:A:PHE:HA	6	0.11
(1,1610)	1:32:A:VAL:HG12	1:54:A:PHE:HA	6	0.11
(1,1610)	1:32:A:VAL:HG13	1:54:A:PHE:HA	6	0.11
(1,1610)	1:32:A:VAL:HG11	1:54:A:PHE:HA	20	0.11
(1,1610)	1:32:A:VAL:HG12	1:54:A:PHE:HA	20	0.11
(1,1610)	1:32:A:VAL:HG13	1:54:A:PHE:HA	20	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	2	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	2	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	2	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	2	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	2	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	2	0.11
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	2	0.11
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	2	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	3	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	3	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	3	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	3	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	3	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	3	0.11
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	3	0.11
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	3	0.11
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	3	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	12	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	12	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	12	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	12	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	12	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	12	0.11
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	12	0.11
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	12	0.11
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	12	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	13	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	13	0.11
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	13	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	13	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	13	0.11
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	13	0.11
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	13	0.11
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	13	0.11
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	13	0.11
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB1	2	0.11
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB2	2	0.11
(1,1553)	1:86:A:LEU:HD21	1:152:A:ALA:HB3	2	0.11
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB1	2	0.11
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB2	2	0.11
(1,1553)	1:86:A:LEU:HD22	1:152:A:ALA:HB3	2	0.11
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB1	2	0.11
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB2	2	0.11
(1,1553)	1:86:A:LEU:HD23	1:152:A:ALA:HB3	2	0.11
(1,1535)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	7	0.11
(1,1535)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	7	0.11
(1,1535)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	7	0.11
(1,1535)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	7	0.11
(1,1535)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	7	0.11
(1,1530)	1:74:A:LEU:HD21	1:75:A:GLY:H	10	0.11
(1,1530)	1:74:A:LEU:HD22	1:75:A:GLY:H	10	0.11
(1,1530)	1:74:A:LEU:HD23	1:75:A:GLY:H	10	0.11
(1,1529)	1:74:A:LEU:HD21	1:115:A:GLY:H	18	0.11
(1,1529)	1:74:A:LEU:HD22	1:115:A:GLY:H	18	0.11
(1,1529)	1:74:A:LEU:HD23	1:115:A:GLY:H	18	0.11
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	4	0.11
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	4	0.11
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	4	0.11
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	5	0.11
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	5	0.11
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	5	0.11
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	8	0.11
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	8	0.11
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	8	0.11
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	10	0.11
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	10	0.11
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	10	0.11
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	15	0.11
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	15	0.11
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	15	0.11
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	20	0.11
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	20	0.11
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	20	0.11
(1,1473)	1:34:A:LEU:HD11	1:136:A:ARG:H	3	0.11
(1,1473)	1:34:A:LEU:HD12	1:136:A:ARG:H	3	0.11
(1,1473)	1:34:A:LEU:HD13	1:136:A:ARG:H	3	0.11
(1,1472)	1:34:A:LEU:HD11	1:137:A:TYR:H	10	0.11
(1,1472)	1:34:A:LEU:HD12	1:137:A:TYR:H	10	0.11
(1,1472)	1:34:A:LEU:HD13	1:137:A:TYR:H	10	0.11
(1,1469)	1:70:A:ALA:HB1	1:118:A:PHE:H	5	0.11
(1,1469)	1:70:A:ALA:HB2	1:118:A:PHE:H	5	0.11
(1,1469)	1:70:A:ALA:HB3	1:118:A:PHE:H	5	0.11
(1,1469)	1:70:A:ALA:HB1	1:118:A:PHE:H	6	0.11
(1,1469)	1:70:A:ALA:HB2	1:118:A:PHE:H	6	0.11
(1,1469)	1:70:A:ALA:HB3	1:118:A:PHE:H	6	0.11
(1,1452)	1:70:A:ALA:HB1	1:122:A:THR:H	18	0.11
(1,1452)	1:70:A:ALA:HB2	1:122:A:THR:H	18	0.11
(1,1452)	1:70:A:ALA:HB3	1:122:A:THR:H	18	0.11
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	1	0.11
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	1	0.11
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	3	0.11
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	3	0.11
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	3	0.11
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	4	0.11
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	4	0.11
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	4	0.11
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	5	0.11
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	5	0.11
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	5	0.11
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	8	0.11
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	8	0.11
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	8	0.11
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	12	0.11
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	12	0.11
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	12	0.11
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	15	0.11
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	15	0.11
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	15	0.11
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	17	0.11
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	17	0.11
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	17	0.11
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	19	0.11
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	19	0.11
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	19	0.11
(1,1438)	1:39:A:THR:HG21	1:144:A:THR:HB	13	0.11
(1,1438)	1:39:A:THR:HG22	1:144:A:THR:HB	13	0.11
(1,1438)	1:39:A:THR:HG23	1:144:A:THR:HB	13	0.11
(1,1434)	1:39:A:THR:HG21	1:145:A:PRO:HB2	1	0.11
(1,1434)	1:39:A:THR:HG22	1:145:A:PRO:HB2	1	0.11
(1,1434)	1:39:A:THR:HG23	1:145:A:PRO:HB2	1	0.11
(1,1434)	1:39:A:THR:HG21	1:145:A:PRO:HB2	3	0.11
(1,1434)	1:39:A:THR:HG22	1:145:A:PRO:HB2	3	0.11
(1,1434)	1:39:A:THR:HG23	1:145:A:PRO:HB2	3	0.11
(1,1434)	1:39:A:THR:HG21	1:145:A:PRO:HB2	5	0.11
(1,1434)	1:39:A:THR:HG22	1:145:A:PRO:HB2	5	0.11
(1,1434)	1:39:A:THR:HG23	1:145:A:PRO:HB2	5	0.11
(1,1434)	1:39:A:THR:HG21	1:145:A:PRO:HB2	7	0.11
(1,1434)	1:39:A:THR:HG22	1:145:A:PRO:HB2	7	0.11
(1,1434)	1:39:A:THR:HG23	1:145:A:PRO:HB2	7	0.11
(1,1434)	1:39:A:THR:HG21	1:145:A:PRO:HB2	9	0.11
(1,1434)	1:39:A:THR:HG22	1:145:A:PRO:HB2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:39:A:THR:HG23	1:145:A:PRO:HB2	9	0.11
(1,1434)	1:39:A:THR:HG21	1:145:A:PRO:HB2	17	0.11
(1,1434)	1:39:A:THR:HG22	1:145:A:PRO:HB2	17	0.11
(1,1434)	1:39:A:THR:HG23	1:145:A:PRO:HB2	17	0.11
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	1	0.11
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	1	0.11
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	1	0.11
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	3	0.11
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	3	0.11
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	3	0.11
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	5	0.11
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	5	0.11
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	5	0.11
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	9	0.11
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	9	0.11
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	9	0.11
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	10	0.11
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	10	0.11
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	10	0.11
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	11	0.11
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	11	0.11
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	11	0.11
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	16	0.11
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	16	0.11
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	16	0.11
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	17	0.11
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	17	0.11
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	17	0.11
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	18	0.11
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	18	0.11
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	18	0.11
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	20	0.11
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	20	0.11
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	20	0.11
(1,1411)	1:99:A:VAL:HG11	1:137:A:TYR:HA	11	0.11
(1,1411)	1:99:A:VAL:HG12	1:137:A:TYR:HA	11	0.11
(1,1411)	1:99:A:VAL:HG13	1:137:A:TYR:HA	11	0.11
(1,1411)	1:99:A:VAL:HG11	1:137:A:TYR:HA	14	0.11
(1,1411)	1:99:A:VAL:HG12	1:137:A:TYR:HA	14	0.11
(1,1411)	1:99:A:VAL:HG13	1:137:A:TYR:HA	14	0.11
(1,1360)	1:86:A:LEU:HD21	1:87:A:ALA:H	12	0.11
(1,1360)	1:86:A:LEU:HD22	1:87:A:ALA:H	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:86:A:LEU:HD23	1:87:A:ALA:H	12	0.11
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB1	6	0.11
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB2	6	0.11
(1,1345)	1:34:A:LEU:HD11	1:135:A:ALA:HB3	6	0.11
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB1	6	0.11
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB2	6	0.11
(1,1345)	1:34:A:LEU:HD12	1:135:A:ALA:HB3	6	0.11
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB1	6	0.11
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB2	6	0.11
(1,1345)	1:34:A:LEU:HD13	1:135:A:ALA:HB3	6	0.11
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD11	7	0.11
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD12	7	0.11
(1,1291)	1:41:A:SER:HA	1:42:A:LEU:HD13	7	0.11
(1,1262)	1:58:A:LEU:HD11	1:131:A:ILE:HG13	18	0.11
(1,1262)	1:58:A:LEU:HD12	1:131:A:ILE:HG13	18	0.11
(1,1262)	1:58:A:LEU:HD13	1:131:A:ILE:HG13	18	0.11
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG21	1	0.11
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG22	1	0.11
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG23	1	0.11
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG21	13	0.11
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG22	13	0.11
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG23	13	0.11
(1,1019)	1:100:A:GLY:H	1:138:A:PHE:HB2	18	0.11
(1,966)	1:16:A:VAL:HG21	1:18:A:ASN:HD21	2	0.11
(1,966)	1:16:A:VAL:HG22	1:18:A:ASN:HD21	2	0.11
(1,966)	1:16:A:VAL:HG23	1:18:A:ASN:HD21	2	0.11
(1,896)	1:9:A:THR:H	1:11:A:HIS:HA	20	0.11
(1,857)	1:49:A:SER:H	1:136:A:ARG:HD3	5	0.11
(1,844)	1:64:A:ASN:HB3	1:64:A:ASN:HD22	4	0.11
(1,844)	1:64:A:ASN:HB3	1:64:A:ASN:HD22	7	0.11
(1,844)	1:64:A:ASN:HB3	1:64:A:ASN:HD22	18	0.11
(1,758)	1:32:A:VAL:HG21	1:55:A:ASN:H	10	0.11
(1,758)	1:32:A:VAL:HG22	1:55:A:ASN:H	10	0.11
(1,758)	1:32:A:VAL:HG23	1:55:A:ASN:H	10	0.11
(1,750)	1:133:A:PHE:HB2	1:134:A:GLN:H	11	0.11
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB1	3	0.11
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB2	3	0.11
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB3	3	0.11
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB1	18	0.11
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB2	18	0.11
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB3	18	0.11
(1,686)	1:115:A:GLY:HA3	1:117:A:THR:H	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:30:A:GLN:H	1:30:A:GLN:HG3	20	0.11
(1,582)	1:99:A:VAL:HG11	1:101:A:VAL:H	11	0.11
(1,582)	1:99:A:VAL:HG12	1:101:A:VAL:H	11	0.11
(1,582)	1:99:A:VAL:HG13	1:101:A:VAL:H	11	0.11
(1,549)	1:82:A:HIS:HB2	1:85:A:VAL:H	2	0.11
(1,462)	1:116:A:ALA:H	1:169:A:THR:HG21	5	0.11
(1,462)	1:116:A:ALA:H	1:169:A:THR:HG22	5	0.11
(1,462)	1:116:A:ALA:H	1:169:A:THR:HG23	5	0.11
(1,462)	1:116:A:ALA:H	1:169:A:THR:HG21	8	0.11
(1,462)	1:116:A:ALA:H	1:169:A:THR:HG22	8	0.11
(1,462)	1:116:A:ALA:H	1:169:A:THR:HG23	8	0.11
(1,283)	1:109:A:ALA:HB1	1:110:A:ALA:H	5	0.11
(1,283)	1:109:A:ALA:HB2	1:110:A:ALA:H	5	0.11
(1,283)	1:109:A:ALA:HB3	1:110:A:ALA:H	5	0.11
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD21	3	0.11
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD22	3	0.11
(1,262)	1:23:A:VAL:H	1:58:A:LEU:HD23	3	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	2	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	2	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	2	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	7	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	7	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	7	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	8	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	8	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	8	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	11	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	11	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	11	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	13	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	13	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	13	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	14	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	14	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	14	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	16	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	16	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	16	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	17	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	17	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	17	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	18	0.11
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	18	0.11
(1,62)	1:24:A:ASP:H	1:27:A:SER:HB3	13	0.11
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE1	11	0.1
(1,3996)	1:58:A:LEU:HD11	1:158:A:TYR:HE2	11	0.1
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE1	11	0.1
(1,3996)	1:58:A:LEU:HD12	1:158:A:TYR:HE2	11	0.1
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE1	11	0.1
(1,3996)	1:58:A:LEU:HD13	1:158:A:TYR:HE2	11	0.1
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE1	10	0.1
(1,3986)	1:34:A:LEU:H	1:137:A:TYR:HE2	10	0.1
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	1	0.1
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	1	0.1
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	1	0.1
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	11	0.1
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	11	0.1
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	11	0.1
(1,3974)	1:78:A:ILE:HG21	1:82:A:HIS:HD2	16	0.1
(1,3974)	1:78:A:ILE:HG22	1:82:A:HIS:HD2	16	0.1
(1,3974)	1:78:A:ILE:HG23	1:82:A:HIS:HD2	16	0.1
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	5	0.1
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	5	0.1
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	5	0.1
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	6	0.1
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	6	0.1
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	6	0.1
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	17	0.1
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	17	0.1
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	17	0.1
(1,3963)	1:31:A:THR:HG21	1:176:A:HIS:HD2	20	0.1
(1,3963)	1:31:A:THR:HG22	1:176:A:HIS:HD2	20	0.1
(1,3963)	1:31:A:THR:HG23	1:176:A:HIS:HD2	20	0.1
(1,3947)	1:71:A:VAL:HB	1:133:A:PHE:HZ	17	0.1
(1,3934)	1:45:A:GLU:HG3	1:138:A:PHE:HZ	2	0.1
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE1	19	0.1
(1,3917)	1:56:A:ILE:HD11	1:73:A:PHE:HE2	19	0.1
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE1	19	0.1
(1,3917)	1:56:A:ILE:HD12	1:73:A:PHE:HE2	19	0.1
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE1	19	0.1
(1,3917)	1:56:A:ILE:HD13	1:73:A:PHE:HE2	19	0.1
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD11	5	0.1
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD12	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD13	5	0.1
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD11	5	0.1
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD12	5	0.1
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD13	5	0.1
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD11	13	0.1
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD12	13	0.1
(1,3916)	1:73:A:PHE:HE1	1:103:A:ILE:HD13	13	0.1
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD11	13	0.1
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD12	13	0.1
(1,3916)	1:73:A:PHE:HE2	1:103:A:ILE:HD13	13	0.1
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE1	2	0.1
(1,3905)	1:71:A:VAL:HB	1:133:A:PHE:HE2	2	0.1
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE1	13	0.1
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE2	13	0.1
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE1	13	0.1
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE2	13	0.1
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE1	13	0.1
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE2	13	0.1
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE1	16	0.1
(1,3903)	1:56:A:ILE:HD11	1:133:A:PHE:HE2	16	0.1
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE1	16	0.1
(1,3903)	1:56:A:ILE:HD12	1:133:A:PHE:HE2	16	0.1
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE1	16	0.1
(1,3903)	1:56:A:ILE:HD13	1:133:A:PHE:HE2	16	0.1
(1,3885)	1:32:A:VAL:H	1:177:A:PHE:HD1	2	0.1
(1,3885)	1:32:A:VAL:H	1:177:A:PHE:HD2	2	0.1
(1,3883)	1:32:A:VAL:HG11	1:177:A:PHE:HD1	6	0.1
(1,3883)	1:32:A:VAL:HG11	1:177:A:PHE:HD2	6	0.1
(1,3883)	1:32:A:VAL:HG12	1:177:A:PHE:HD1	6	0.1
(1,3883)	1:32:A:VAL:HG12	1:177:A:PHE:HD2	6	0.1
(1,3883)	1:32:A:VAL:HG13	1:177:A:PHE:HD1	6	0.1
(1,3883)	1:32:A:VAL:HG13	1:177:A:PHE:HD2	6	0.1
(1,3883)	1:32:A:VAL:HG11	1:177:A:PHE:HD1	8	0.1
(1,3883)	1:32:A:VAL:HG11	1:177:A:PHE:HD2	8	0.1
(1,3883)	1:32:A:VAL:HG12	1:177:A:PHE:HD1	8	0.1
(1,3883)	1:32:A:VAL:HG12	1:177:A:PHE:HD2	8	0.1
(1,3883)	1:32:A:VAL:HG13	1:177:A:PHE:HD1	8	0.1
(1,3883)	1:32:A:VAL:HG13	1:177:A:PHE:HD2	8	0.1
(1,3860)	1:133:A:PHE:HD1	1:134:A:GLN:H	5	0.1
(1,3860)	1:133:A:PHE:HD2	1:134:A:GLN:H	5	0.1
(1,3860)	1:133:A:PHE:HD1	1:134:A:GLN:H	13	0.1
(1,3860)	1:133:A:PHE:HD2	1:134:A:GLN:H	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3852)	1:73:A:PHE:HD1	1:152:A:ALA:HB1	5	0.1
(1,3852)	1:73:A:PHE:HD1	1:152:A:ALA:HB2	5	0.1
(1,3852)	1:73:A:PHE:HD1	1:152:A:ALA:HB3	5	0.1
(1,3852)	1:73:A:PHE:HD2	1:152:A:ALA:HB1	5	0.1
(1,3852)	1:73:A:PHE:HD2	1:152:A:ALA:HB2	5	0.1
(1,3852)	1:73:A:PHE:HD2	1:152:A:ALA:HB3	5	0.1
(1,3847)	1:73:A:PHE:HD1	1:154:A:PHE:HB2	11	0.1
(1,3847)	1:73:A:PHE:HD1	1:154:A:PHE:HB3	11	0.1
(1,3847)	1:73:A:PHE:HD2	1:154:A:PHE:HB2	11	0.1
(1,3847)	1:73:A:PHE:HD2	1:154:A:PHE:HB3	11	0.1
(1,3847)	1:73:A:PHE:HD1	1:154:A:PHE:HB2	12	0.1
(1,3847)	1:73:A:PHE:HD1	1:154:A:PHE:HB3	12	0.1
(1,3847)	1:73:A:PHE:HD2	1:154:A:PHE:HB2	12	0.1
(1,3847)	1:73:A:PHE:HD2	1:154:A:PHE:HB3	12	0.1
(1,3845)	1:73:A:PHE:HD1	1:154:A:PHE:HA	13	0.1
(1,3845)	1:73:A:PHE:HD2	1:154:A:PHE:HA	13	0.1
(1,3836)	1:56:A:ILE:HD11	1:154:A:PHE:HD1	13	0.1
(1,3836)	1:56:A:ILE:HD11	1:154:A:PHE:HD2	13	0.1
(1,3836)	1:56:A:ILE:HD12	1:154:A:PHE:HD1	13	0.1
(1,3836)	1:56:A:ILE:HD12	1:154:A:PHE:HD2	13	0.1
(1,3836)	1:56:A:ILE:HD13	1:154:A:PHE:HD1	13	0.1
(1,3836)	1:56:A:ILE:HD13	1:154:A:PHE:HD2	13	0.1
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG21	1	0.1
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG22	1	0.1
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG23	1	0.1
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG21	1	0.1
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG22	1	0.1
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG23	1	0.1
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG21	9	0.1
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG22	9	0.1
(1,3809)	1:158:A:TYR:HD1	1:168:A:THR:HG23	9	0.1
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG21	9	0.1
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG22	9	0.1
(1,3809)	1:158:A:TYR:HD2	1:168:A:THR:HG23	9	0.1
(1,3688)	1:73:A:PHE:HD1	1:111:A:LEU:HG	2	0.1
(1,3688)	1:73:A:PHE:HD2	1:111:A:LEU:HG	2	0.1
(1,3674)	1:110:A:ALA:HA	1:111:A:LEU:HG	19	0.1
(1,3644)	1:101:A:VAL:HA	1:177:A:PHE:HB3	1	0.1
(1,3644)	1:101:A:VAL:HA	1:177:A:PHE:HB3	14	0.1
(1,3516)	1:107:A:THR:HG21	1:120:A:SER:HB3	8	0.1
(1,3516)	1:107:A:THR:HG22	1:120:A:SER:HB3	8	0.1
(1,3516)	1:107:A:THR:HG23	1:120:A:SER:HB3	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3516)	1:107:A:THR:HG21	1:120:A:SER:HB3	9	0.1
(1,3516)	1:107:A:THR:HG22	1:120:A:SER:HB3	9	0.1
(1,3516)	1:107:A:THR:HG23	1:120:A:SER:HB3	9	0.1
(1,3515)	1:105:A:ASP:HA	1:120:A:SER:HB3	6	0.1
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG21	8	0.1
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG22	8	0.1
(1,3500)	1:50:A:SER:HB3	1:52:A:VAL:HG23	8	0.1
(1,3327)	1:20:A:ALA:HA	1:65:A:VAL:HB	1	0.1
(1,3302)	1:16:A:VAL:H	1:16:A:VAL:HB	10	0.1
(1,3273)	1:68:A:LYS:HD2	1:159:A:GLN:HG2	18	0.1
(1,3254)	1:89:A:GLN:HG2	1:90:A:SER:HB3	7	0.1
(1,3254)	1:89:A:GLN:HG3	1:90:A:SER:HB3	7	0.1
(1,3221)	1:148:A:ALA:H	1:180:A:GLU:HB3	7	0.1
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG21	10	0.1
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG22	10	0.1
(1,3192)	1:37:A:VAL:HB	1:39:A:THR:HG23	10	0.1
(1,3184)	1:52:A:VAL:H	1:52:A:VAL:HB	9	0.1
(1,3125)	1:98:A:ASN:HB3	1:99:A:VAL:HG21	7	0.1
(1,3125)	1:98:A:ASN:HB3	1:99:A:VAL:HG22	7	0.1
(1,3125)	1:98:A:ASN:HB3	1:99:A:VAL:HG23	7	0.1
(1,3125)	1:98:A:ASN:HB3	1:99:A:VAL:HG21	12	0.1
(1,3125)	1:98:A:ASN:HB3	1:99:A:VAL:HG22	12	0.1
(1,3125)	1:98:A:ASN:HB3	1:99:A:VAL:HG23	12	0.1
(1,2982)	1:16:A:VAL:HG21	1:18:A:ASN:HB2	7	0.1
(1,2982)	1:16:A:VAL:HG22	1:18:A:ASN:HB2	7	0.1
(1,2982)	1:16:A:VAL:HG23	1:18:A:ASN:HB2	7	0.1
(1,2891)	1:68:A:LYS:HE2	1:159:A:GLN:HA	10	0.1
(1,2891)	1:68:A:LYS:HE3	1:159:A:GLN:HA	10	0.1
(1,2857)	1:105:A:ASP:HB2	1:111:A:LEU:HG	13	0.1
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD2	8	0.1
(1,2833)	1:37:A:VAL:HG11	1:38:A:ARG:HD3	8	0.1
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD2	8	0.1
(1,2833)	1:37:A:VAL:HG12	1:38:A:ARG:HD3	8	0.1
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD2	8	0.1
(1,2833)	1:37:A:VAL:HG13	1:38:A:ARG:HD3	8	0.1
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD2	8	0.1
(1,2833)	1:37:A:VAL:HG21	1:38:A:ARG:HD3	8	0.1
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD2	8	0.1
(1,2833)	1:37:A:VAL:HG22	1:38:A:ARG:HD3	8	0.1
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD2	8	0.1
(1,2833)	1:37:A:VAL:HG23	1:38:A:ARG:HD3	8	0.1
(1,2745)	1:104:A:LEU:HB2	1:108:A:GLY:HA3	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:66:A:ALA:HB1	1:160:A:GLY:HA2	6	0.1
(1,2704)	1:66:A:ALA:HB2	1:160:A:GLY:HA2	6	0.1
(1,2704)	1:66:A:ALA:HB3	1:160:A:GLY:HA2	6	0.1
(1,2682)	1:162:A:GLY:HA2	1:164:A:GLY:H	18	0.1
(1,2624)	1:70:A:ALA:HB1	1:72:A:ALA:HA	13	0.1
(1,2624)	1:70:A:ALA:HB2	1:72:A:ALA:HA	13	0.1
(1,2624)	1:70:A:ALA:HB3	1:72:A:ALA:HA	13	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	4	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	4	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	4	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	6	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	6	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	6	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	8	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	8	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	8	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	9	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	9	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	9	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	16	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	16	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	16	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG21	19	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG22	19	0.1
(1,2614)	1:72:A:ALA:HA	1:103:A:ILE:HG23	19	0.1
(1,2485)	1:103:A:ILE:HG21	1:135:A:ALA:H	2	0.1
(1,2485)	1:103:A:ILE:HG22	1:135:A:ALA:H	2	0.1
(1,2485)	1:103:A:ILE:HG23	1:135:A:ALA:H	2	0.1
(1,2485)	1:103:A:ILE:HG21	1:135:A:ALA:H	10	0.1
(1,2485)	1:103:A:ILE:HG22	1:135:A:ALA:H	10	0.1
(1,2485)	1:103:A:ILE:HG23	1:135:A:ALA:H	10	0.1
(1,2485)	1:103:A:ILE:HG21	1:135:A:ALA:H	11	0.1
(1,2485)	1:103:A:ILE:HG22	1:135:A:ALA:H	11	0.1
(1,2485)	1:103:A:ILE:HG23	1:135:A:ALA:H	11	0.1
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB1	13	0.1
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB2	13	0.1
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB3	13	0.1
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB1	19	0.1
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB2	19	0.1
(1,2468)	1:166:A:ALA:HA	1:167:A:ALA:HB3	19	0.1
(1,2443)	1:42:A:LEU:HB2	1:143:A:ALA:HA	15	0.1
(1,2419)	1:129:A:ASN:HA	1:129:A:ASN:HD22	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB1	2	0.1
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB2	2	0.1
(1,2398)	1:84:A:ASN:HB3	1:110:A:ALA:HB3	2	0.1
(1,2391)	1:92:A:ALA:HB1	1:93:A:ALA:HA	3	0.1
(1,2391)	1:92:A:ALA:HB2	1:93:A:ALA:HA	3	0.1
(1,2391)	1:92:A:ALA:HB3	1:93:A:ALA:HA	3	0.1
(1,2391)	1:92:A:ALA:HB1	1:93:A:ALA:HA	4	0.1
(1,2391)	1:92:A:ALA:HB2	1:93:A:ALA:HA	4	0.1
(1,2391)	1:92:A:ALA:HB3	1:93:A:ALA:HA	4	0.1
(1,2391)	1:92:A:ALA:HB1	1:93:A:ALA:HA	9	0.1
(1,2391)	1:92:A:ALA:HB2	1:93:A:ALA:HA	9	0.1
(1,2391)	1:92:A:ALA:HB3	1:93:A:ALA:HA	9	0.1
(1,2391)	1:92:A:ALA:HB1	1:93:A:ALA:HA	12	0.1
(1,2391)	1:92:A:ALA:HB2	1:93:A:ALA:HA	12	0.1
(1,2391)	1:92:A:ALA:HB3	1:93:A:ALA:HA	12	0.1
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	4	0.1
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	4	0.1
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	4	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	4	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	4	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	4	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	4	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	4	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	4	0.1
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	9	0.1
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	9	0.1
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	9	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	9	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	9	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	9	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	9	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	9	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	9	0.1
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	12	0.1
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	12	0.1
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	12	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	12	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	12	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	12	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	12	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	12	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG21	20	0.1
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG22	20	0.1
(1,2369)	1:80:A:ALA:HB1	1:83:A:THR:HG23	20	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG21	20	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG22	20	0.1
(1,2369)	1:80:A:ALA:HB2	1:83:A:THR:HG23	20	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG21	20	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG22	20	0.1
(1,2369)	1:80:A:ALA:HB3	1:83:A:THR:HG23	20	0.1
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	1	0.1
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	1	0.1
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	1	0.1
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	2	0.1
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	2	0.1
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	2	0.1
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG21	4	0.1
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG22	4	0.1
(1,2363)	1:120:A:SER:HB2	1:131:A:ILE:HG23	4	0.1
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG11	17	0.1
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG12	17	0.1
(1,2352)	1:96:A:ALA:HA	1:181:A:VAL:HG13	17	0.1
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD21	2	0.1
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD22	2	0.1
(1,2285)	1:109:A:ALA:HB1	1:111:A:LEU:HD23	2	0.1
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD21	2	0.1
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD22	2	0.1
(1,2285)	1:109:A:ALA:HB2	1:111:A:LEU:HD23	2	0.1
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD21	2	0.1
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD22	2	0.1
(1,2285)	1:109:A:ALA:HB3	1:111:A:LEU:HD23	2	0.1
(1,2272)	1:166:A:ALA:HB1	1:167:A:ALA:H	11	0.1
(1,2272)	1:166:A:ALA:HB2	1:167:A:ALA:H	11	0.1
(1,2272)	1:166:A:ALA:HB3	1:167:A:ALA:H	11	0.1
(1,2271)	1:161:A:GLY:H	1:166:A:ALA:HB1	18	0.1
(1,2271)	1:161:A:GLY:H	1:166:A:ALA:HB2	18	0.1
(1,2271)	1:161:A:GLY:H	1:166:A:ALA:HB3	18	0.1
(1,2247)	1:101:A:VAL:HG21	1:136:A:ARG:HA	20	0.1
(1,2247)	1:101:A:VAL:HG22	1:136:A:ARG:HA	20	0.1
(1,2247)	1:101:A:VAL:HG23	1:136:A:ARG:HA	20	0.1
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB1	19	0.1
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB2	19	0.1
(1,2244)	1:78:A:ILE:HD11	1:87:A:ALA:HB3	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB1	19	0.1
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB2	19	0.1
(1,2244)	1:78:A:ILE:HD12	1:87:A:ALA:HB3	19	0.1
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB1	19	0.1
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB2	19	0.1
(1,2244)	1:78:A:ILE:HD13	1:87:A:ALA:HB3	19	0.1
(1,2216)	1:101:A:VAL:HG21	1:138:A:PHE:H	16	0.1
(1,2216)	1:101:A:VAL:HG22	1:138:A:PHE:H	16	0.1
(1,2216)	1:101:A:VAL:HG23	1:138:A:PHE:H	16	0.1
(1,2212)	1:51:A:ALA:HB1	1:134:A:GLN:HG2	12	0.1
(1,2212)	1:51:A:ALA:HB1	1:134:A:GLN:HG3	12	0.1
(1,2212)	1:51:A:ALA:HB2	1:134:A:GLN:HG2	12	0.1
(1,2212)	1:51:A:ALA:HB2	1:134:A:GLN:HG3	12	0.1
(1,2212)	1:51:A:ALA:HB3	1:134:A:GLN:HG2	12	0.1
(1,2212)	1:51:A:ALA:HB3	1:134:A:GLN:HG3	12	0.1
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	8	0.1
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	8	0.1
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	8	0.1
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	11	0.1
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	11	0.1
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	11	0.1
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB1	20	0.1
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB2	20	0.1
(1,2210)	1:50:A:SER:HA	1:51:A:ALA:HB3	20	0.1
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	1	0.1
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	1	0.1
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	1	0.1
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	9	0.1
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	9	0.1
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	9	0.1
(1,2172)	1:19:A:ALA:HB1	1:156:A:VAL:HB	13	0.1
(1,2172)	1:19:A:ALA:HB2	1:156:A:VAL:HB	13	0.1
(1,2172)	1:19:A:ALA:HB3	1:156:A:VAL:HB	13	0.1
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG11	9	0.1
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG12	9	0.1
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG13	9	0.1
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG21	9	0.1
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG22	9	0.1
(1,2102)	1:13:A:LYS:HG2	1:17:A:VAL:HG23	9	0.1
(1,2045)	1:183:A:ASN:HB3	1:184:A:ALA:HB1	18	0.1
(1,2045)	1:183:A:ASN:HB3	1:184:A:ALA:HB2	18	0.1
(1,2045)	1:183:A:ASN:HB3	1:184:A:ALA:HB3	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2012)	1:20:A:ALA:HB1	1:65:A:VAL:HG11	10	0.1
(1,2012)	1:20:A:ALA:HB1	1:65:A:VAL:HG12	10	0.1
(1,2012)	1:20:A:ALA:HB1	1:65:A:VAL:HG13	10	0.1
(1,2012)	1:20:A:ALA:HB2	1:65:A:VAL:HG11	10	0.1
(1,2012)	1:20:A:ALA:HB2	1:65:A:VAL:HG12	10	0.1
(1,2012)	1:20:A:ALA:HB2	1:65:A:VAL:HG13	10	0.1
(1,2012)	1:20:A:ALA:HB3	1:65:A:VAL:HG11	10	0.1
(1,2012)	1:20:A:ALA:HB3	1:65:A:VAL:HG12	10	0.1
(1,2012)	1:20:A:ALA:HB3	1:65:A:VAL:HG13	10	0.1
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE21	8	0.1
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE21	8	0.1
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE21	8	0.1
(1,1948)	1:85:A:VAL:HG11	1:102:A:GLN:HE22	8	0.1
(1,1948)	1:85:A:VAL:HG12	1:102:A:GLN:HE22	8	0.1
(1,1948)	1:85:A:VAL:HG13	1:102:A:GLN:HE22	8	0.1
(1,1883)	1:96:A:ALA:HA	1:97:A:THR:HG21	20	0.1
(1,1883)	1:96:A:ALA:HA	1:97:A:THR:HG22	20	0.1
(1,1883)	1:96:A:ALA:HA	1:97:A:THR:HG23	20	0.1
(1,1818)	1:148:A:ALA:HA	1:180:A:GLU:HA	8	0.1
(1,1818)	1:148:A:ALA:HA	1:180:A:GLU:HA	14	0.1
(1,1818)	1:148:A:ALA:HA	1:180:A:GLU:HA	15	0.1
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG21	5	0.1
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG22	5	0.1
(1,1810)	1:182:A:VAL:HA	1:182:A:VAL:HG23	5	0.1
(1,1806)	1:182:A:VAL:HG21	1:183:A:ASN:H	20	0.1
(1,1806)	1:182:A:VAL:HG22	1:183:A:ASN:H	20	0.1
(1,1806)	1:182:A:VAL:HG23	1:183:A:ASN:H	20	0.1
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG21	13	0.1
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG22	13	0.1
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG23	13	0.1
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG21	18	0.1
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG22	18	0.1
(1,1763)	1:152:A:ALA:H	1:175:A:VAL:HG23	18	0.1
(1,1720)	1:24:A:ASP:HA	1:59:A:ASN:HB2	20	0.1
(1,1714)	1:85:A:VAL:HG21	1:138:A:PHE:H	9	0.1
(1,1714)	1:85:A:VAL:HG22	1:138:A:PHE:H	9	0.1
(1,1714)	1:85:A:VAL:HG23	1:138:A:PHE:H	9	0.1
(1,1705)	1:23:A:VAL:HG21	1:27:A:SER:HB3	20	0.1
(1,1705)	1:23:A:VAL:HG22	1:27:A:SER:HB3	20	0.1
(1,1705)	1:23:A:VAL:HG23	1:27:A:SER:HB3	20	0.1
(1,1659)	1:71:A:VAL:HG11	1:154:A:PHE:H	16	0.1
(1,1659)	1:71:A:VAL:HG12	1:154:A:PHE:H	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1659)	1:71:A:VAL:HG13	1:154:A:PHE:H	16	0.1
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG21	17	0.1
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG22	17	0.1
(1,1627)	1:155:A:LYS:HE2	1:169:A:THR:HG23	17	0.1
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG21	12	0.1
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG22	12	0.1
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG23	12	0.1
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG21	12	0.1
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG22	12	0.1
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG23	12	0.1
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG21	12	0.1
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG22	12	0.1
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG23	12	0.1
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG21	18	0.1
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG22	18	0.1
(1,1625)	1:116:A:ALA:HB1	1:169:A:THR:HG23	18	0.1
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG21	18	0.1
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG22	18	0.1
(1,1625)	1:116:A:ALA:HB2	1:169:A:THR:HG23	18	0.1
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG21	18	0.1
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG22	18	0.1
(1,1625)	1:116:A:ALA:HB3	1:169:A:THR:HG23	18	0.1
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG21	16	0.1
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG22	16	0.1
(1,1614)	1:84:A:ASN:HA	1:112:A:THR:HG23	16	0.1
(1,1610)	1:32:A:VAL:HG11	1:54:A:PHE:HA	13	0.1
(1,1610)	1:32:A:VAL:HG12	1:54:A:PHE:HA	13	0.1
(1,1610)	1:32:A:VAL:HG13	1:54:A:PHE:HA	13	0.1
(1,1610)	1:32:A:VAL:HG11	1:54:A:PHE:HA	16	0.1
(1,1610)	1:32:A:VAL:HG12	1:54:A:PHE:HA	16	0.1
(1,1610)	1:32:A:VAL:HG13	1:54:A:PHE:HA	16	0.1
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG21	8	0.1
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG22	8	0.1
(1,1593)	1:111:A:LEU:HD21	1:117:A:THR:HG23	8	0.1
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG21	8	0.1
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG22	8	0.1
(1,1593)	1:111:A:LEU:HD22	1:117:A:THR:HG23	8	0.1
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG21	8	0.1
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG22	8	0.1
(1,1593)	1:111:A:LEU:HD23	1:117:A:THR:HG23	8	0.1
(1,1564)	1:104:A:LEU:HD11	1:109:A:ALA:HA	6	0.1
(1,1564)	1:104:A:LEU:HD12	1:109:A:ALA:HA	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1564)	1:104:A:LEU:HD13	1:109:A:ALA:HA	6	0.1
(1,1535)	1:99:A:VAL:HG21	1:137:A:TYR:HE1	5	0.1
(1,1535)	1:99:A:VAL:HG21	1:137:A:TYR:HE2	5	0.1
(1,1535)	1:99:A:VAL:HG22	1:137:A:TYR:HE1	5	0.1
(1,1535)	1:99:A:VAL:HG22	1:137:A:TYR:HE2	5	0.1
(1,1535)	1:99:A:VAL:HG23	1:137:A:TYR:HE1	5	0.1
(1,1535)	1:99:A:VAL:HG23	1:137:A:TYR:HE2	5	0.1
(1,1526)	1:74:A:LEU:HD21	1:114:A:ASP:H	15	0.1
(1,1526)	1:74:A:LEU:HD22	1:114:A:ASP:H	15	0.1
(1,1526)	1:74:A:LEU:HD23	1:114:A:ASP:H	15	0.1
(1,1526)	1:74:A:LEU:HD21	1:114:A:ASP:H	18	0.1
(1,1526)	1:74:A:LEU:HD22	1:114:A:ASP:H	18	0.1
(1,1526)	1:74:A:LEU:HD23	1:114:A:ASP:H	18	0.1
(1,1518)	1:58:A:LEU:HD21	1:59:A:ASN:H	7	0.1
(1,1518)	1:58:A:LEU:HD22	1:59:A:ASN:H	7	0.1
(1,1518)	1:58:A:LEU:HD23	1:59:A:ASN:H	7	0.1
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	1	0.1
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	1	0.1
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	1	0.1
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	2	0.1
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	2	0.1
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	2	0.1
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	3	0.1
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	3	0.1
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	3	0.1
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	12	0.1
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	12	0.1
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	12	0.1
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	13	0.1
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	13	0.1
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	13	0.1
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	14	0.1
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	14	0.1
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	14	0.1
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	16	0.1
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	16	0.1
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	16	0.1
(1,1514)	1:66:A:ALA:HB1	1:68:A:LYS:HB3	18	0.1
(1,1514)	1:66:A:ALA:HB2	1:68:A:LYS:HB3	18	0.1
(1,1514)	1:66:A:ALA:HB3	1:68:A:LYS:HB3	18	0.1
(1,1469)	1:70:A:ALA:HB1	1:118:A:PHE:H	12	0.1
(1,1469)	1:70:A:ALA:HB2	1:118:A:PHE:H	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:70:A:ALA:HB3	1:118:A:PHE:H	12	0.1
(1,1469)	1:70:A:ALA:HB1	1:118:A:PHE:H	18	0.1
(1,1469)	1:70:A:ALA:HB2	1:118:A:PHE:H	18	0.1
(1,1469)	1:70:A:ALA:HB3	1:118:A:PHE:H	18	0.1
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	6	0.1
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	6	0.1
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	6	0.1
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	9	0.1
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	9	0.1
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	9	0.1
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	10	0.1
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	10	0.1
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	10	0.1
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	13	0.1
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	13	0.1
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	13	0.1
(1,1444)	1:39:A:THR:HG21	1:182:A:VAL:HB	14	0.1
(1,1444)	1:39:A:THR:HG22	1:182:A:VAL:HB	14	0.1
(1,1444)	1:39:A:THR:HG23	1:182:A:VAL:HB	14	0.1
(1,1435)	1:39:A:THR:HG21	1:145:A:PRO:HG2	13	0.1
(1,1435)	1:39:A:THR:HG22	1:145:A:PRO:HG2	13	0.1
(1,1435)	1:39:A:THR:HG23	1:145:A:PRO:HG2	13	0.1
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	4	0.1
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	4	0.1
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	4	0.1
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	7	0.1
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	7	0.1
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	7	0.1
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	12	0.1
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	12	0.1
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	12	0.1
(1,1432)	1:39:A:THR:HG21	1:183:A:ASN:HB3	14	0.1
(1,1432)	1:39:A:THR:HG22	1:183:A:ASN:HB3	14	0.1
(1,1432)	1:39:A:THR:HG23	1:183:A:ASN:HB3	14	0.1
(1,1411)	1:99:A:VAL:HG11	1:137:A:TYR:HA	10	0.1
(1,1411)	1:99:A:VAL:HG12	1:137:A:TYR:HA	10	0.1
(1,1411)	1:99:A:VAL:HG13	1:137:A:TYR:HA	10	0.1
(1,1411)	1:99:A:VAL:HG11	1:137:A:TYR:HA	16	0.1
(1,1411)	1:99:A:VAL:HG12	1:137:A:TYR:HA	16	0.1
(1,1411)	1:99:A:VAL:HG13	1:137:A:TYR:HA	16	0.1
(1,1411)	1:99:A:VAL:HG11	1:137:A:TYR:HA	18	0.1
(1,1411)	1:99:A:VAL:HG12	1:137:A:TYR:HA	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:99:A:VAL:HG13	1:137:A:TYR:HA	18	0.1
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD11	20	0.1
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD12	20	0.1
(1,1371)	1:86:A:LEU:HD21	1:103:A:ILE:HD13	20	0.1
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD11	20	0.1
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD12	20	0.1
(1,1371)	1:86:A:LEU:HD22	1:103:A:ILE:HD13	20	0.1
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD11	20	0.1
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD12	20	0.1
(1,1371)	1:86:A:LEU:HD23	1:103:A:ILE:HD13	20	0.1
(1,1316)	1:27:A:SER:HA	1:30:A:GLN:HG3	5	0.1
(1,1252)	1:77:A:ALA:HB1	1:81:A:GLY:H	1	0.1
(1,1252)	1:77:A:ALA:HB2	1:81:A:GLY:H	1	0.1
(1,1252)	1:77:A:ALA:HB3	1:81:A:GLY:H	1	0.1
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG21	16	0.1
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG22	16	0.1
(1,1251)	1:26:A:GLY:H	1:28:A:VAL:HG23	16	0.1
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG21	3	0.1
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG22	3	0.1
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG23	3	0.1
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG21	11	0.1
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG22	11	0.1
(1,1215)	1:21:A:CYS:H	1:65:A:VAL:HG23	11	0.1
(1,1204)	1:94:A:GLY:H	1:147:A:ALA:HB1	3	0.1
(1,1204)	1:94:A:GLY:H	1:147:A:ALA:HB2	3	0.1
(1,1204)	1:94:A:GLY:H	1:147:A:ALA:HB3	3	0.1
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD11	19	0.1
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD12	19	0.1
(1,1156)	1:67:A:SER:H	1:124:A:LEU:HD13	19	0.1
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG21	3	0.1
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG22	3	0.1
(1,1155)	1:67:A:SER:H	1:123:A:THR:HG23	3	0.1
(1,1140)	1:144:A:THR:H	1:145:A:PRO:HD2	1	0.1
(1,1136)	1:12:A:PHE:HA	1:14:A:GLY:H	8	0.1
(1,933)	1:107:A:THR:HG21	1:120:A:SER:H	7	0.1
(1,933)	1:107:A:THR:HG22	1:120:A:SER:H	7	0.1
(1,933)	1:107:A:THR:HG23	1:120:A:SER:H	7	0.1
(1,844)	1:64:A:ASN:HB3	1:64:A:ASN:HD22	5	0.1
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD11	19	0.1
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD12	19	0.1
(1,708)	1:66:A:ALA:H	1:124:A:LEU:HD13	19	0.1
(1,702)	1:124:A:LEU:HD21	1:129:A:ASN:HD21	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:124:A:LEU:HD22	1:129:A:ASN:HD21	18	0.1
(1,702)	1:124:A:LEU:HD23	1:129:A:ASN:HD21	18	0.1
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB1	8	0.1
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB2	8	0.1
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB3	8	0.1
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB1	16	0.1
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB2	16	0.1
(1,698)	1:43:A:ALA:H	1:143:A:ALA:HB3	16	0.1
(1,676)	1:52:A:VAL:HG11	1:54:A:PHE:H	3	0.1
(1,676)	1:52:A:VAL:HG12	1:54:A:PHE:H	3	0.1
(1,676)	1:52:A:VAL:HG13	1:54:A:PHE:H	3	0.1
(1,417)	1:43:A:ALA:HB1	1:142:A:ALA:H	14	0.1
(1,417)	1:43:A:ALA:HB2	1:142:A:ALA:H	14	0.1
(1,417)	1:43:A:ALA:HB3	1:142:A:ALA:H	14	0.1
(1,417)	1:43:A:ALA:HB1	1:142:A:ALA:H	19	0.1
(1,417)	1:43:A:ALA:HB2	1:142:A:ALA:H	19	0.1
(1,417)	1:43:A:ALA:HB3	1:142:A:ALA:H	19	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	1	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	1	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	1	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	4	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	4	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	4	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	6	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	6	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	6	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	10	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	10	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	10	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	12	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	12	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	12	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	15	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	15	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	15	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	19	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	19	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	19	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG21	20	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG22	20	0.1
(1,143)	1:38:A:ARG:H	1:39:A:THR:HG23	20	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found