



Full wwPDB NMR Structure Validation Report ⓘ

Mar 24, 2026 – 11:55 PM UTC

PDB ID : 2GRI / pdb_00002gri
BMRB ID : 7019
Title : NMR Structure of the SARS-CoV non-structural protein nsp3a
Authors : Serrano, P.; Almeida, M.S.; Johnson, M.A.; Herrmann, T.; Saikatendu, K.S.;
Joseph, J.; Subramanian, V.; Neuman, B.W.; Buchmeier, M.J.; Stevens, R.C.;
Kuhn, P.; Wuthrich, K.; Joint Center for Structural Genomics (JCSG)
Deposited on : 2006-04-24

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

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

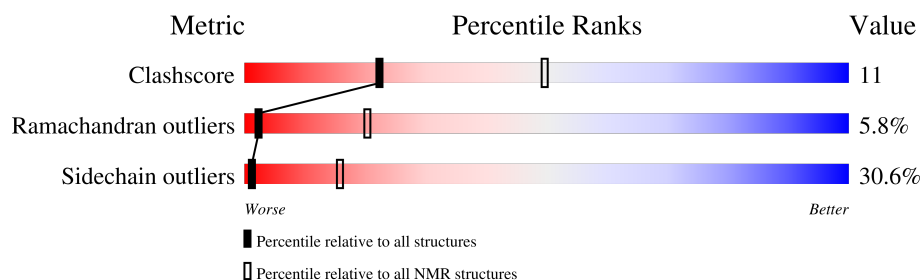
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 94%.

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 $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	112	50% 43% 5% •

2 Ensemble composition and analysis

This entry contains 20 models. Model 7 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *fewest violations*.

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:3-A:112 (110)	0.88	7

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 2 clusters and 7 single-model clusters were found.

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

3 Entry composition [i](#)

There is only 1 type of molecule in this entry. The entry contains 1726 atoms, of which 838 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called NSP3.

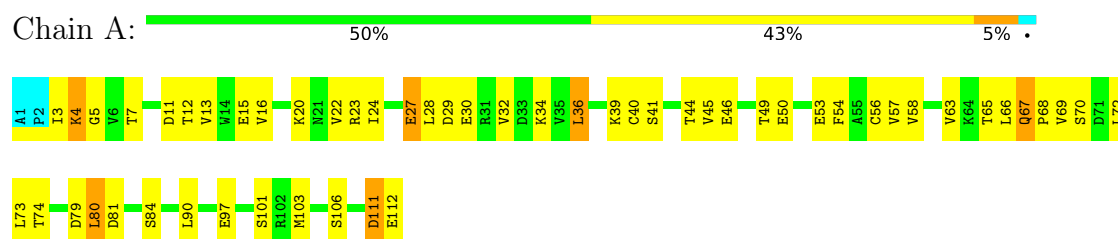
Mol	Chain	Residues	Atoms						Trace
1	A	112	Total	C	H	N	O	S	0
			1726	566	838	134	183	5	

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: NSP3

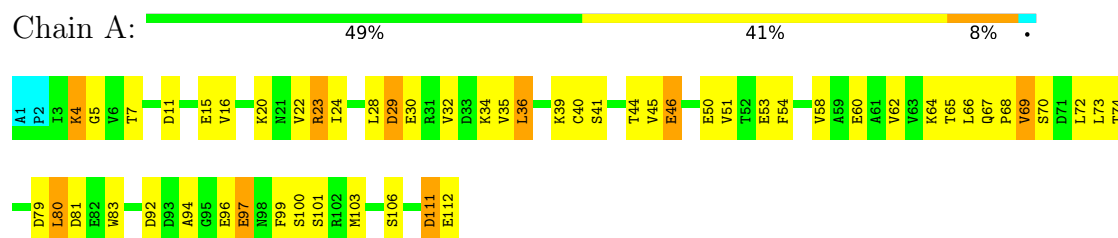


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

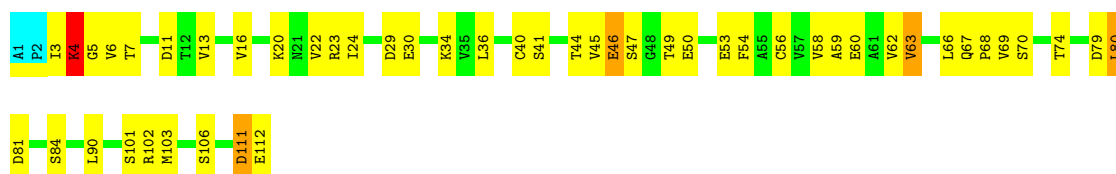
- Molecule 1: NSP3



4.2.2 Score per residue for model 2

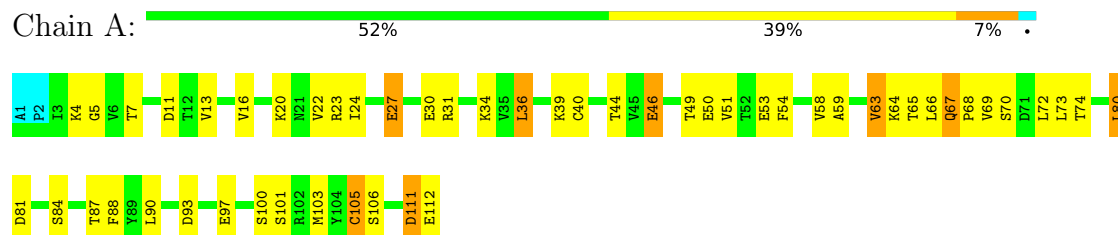
- Molecule 1: NSP3





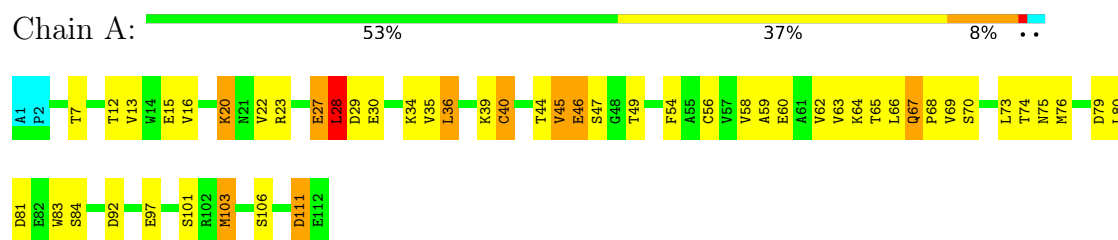
4.2.3 Score per residue for model 3

- Molecule 1: NSP3



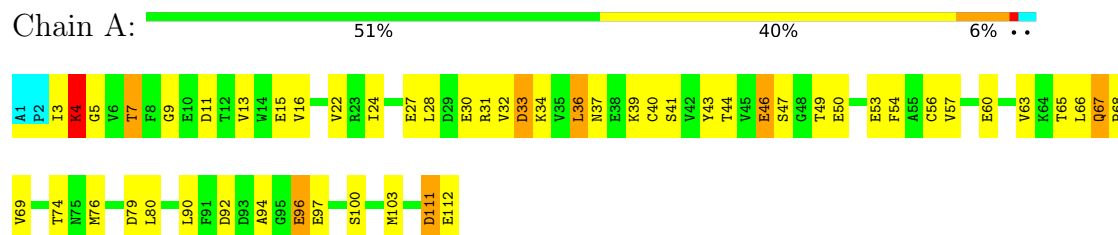
4.2.4 Score per residue for model 4

- Molecule 1: NSP3



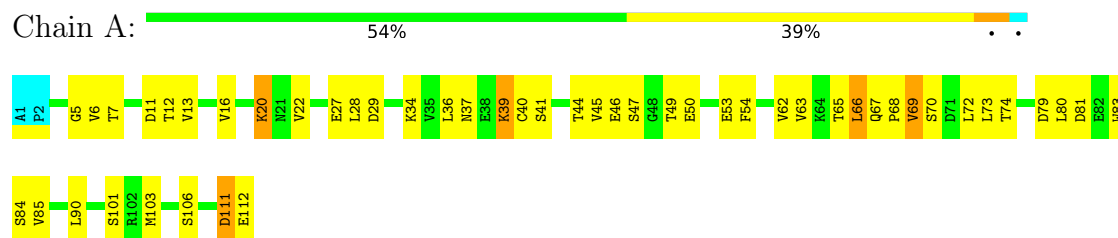
4.2.5 Score per residue for model 5

- Molecule 1: NSP3



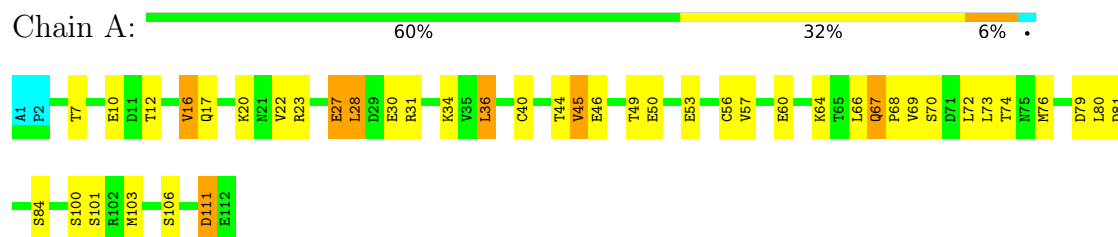
4.2.6 Score per residue for model 6

- Molecule 1: NSP3



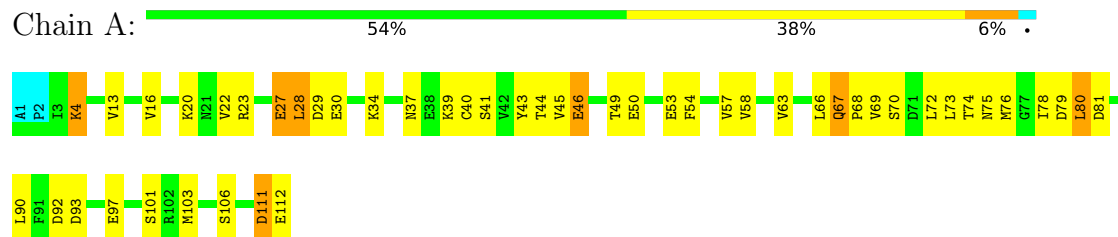
4.2.7 Score per residue for model 7 (medoid)

- Molecule 1: NSP3



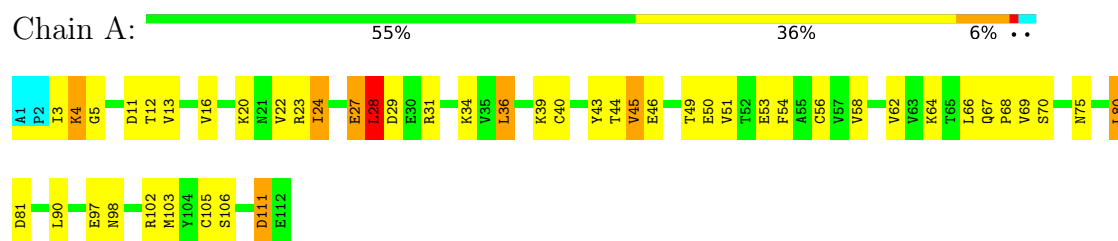
4.2.8 Score per residue for model 8

- Molecule 1: NSP3



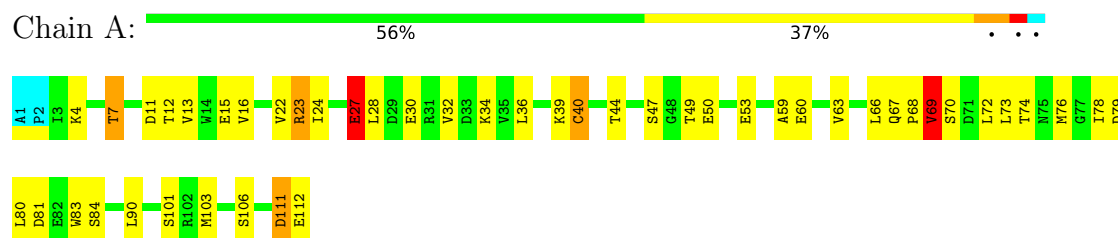
4.2.9 Score per residue for model 9

- Molecule 1: NSP3



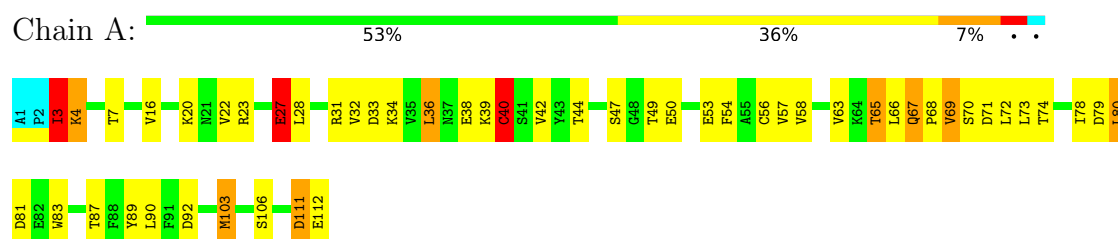
4.2.10 Score per residue for model 10

- Molecule 1: NSP3



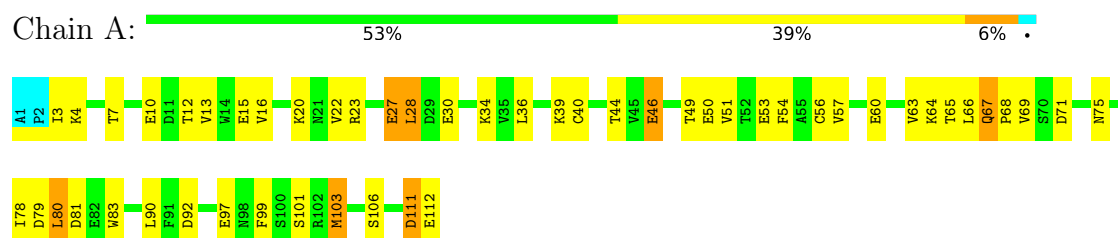
4.2.11 Score per residue for model 11

- Molecule 1: NSP3



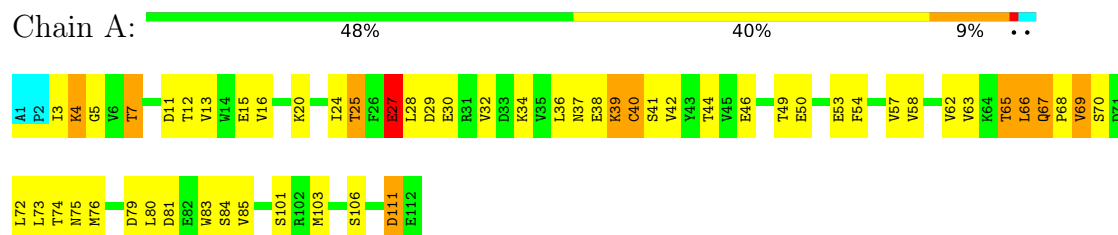
4.2.12 Score per residue for model 12

- Molecule 1: NSP3



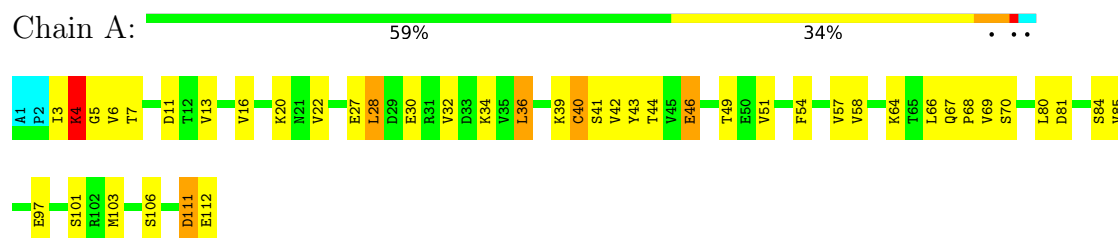
4.2.13 Score per residue for model 13

- Molecule 1: NSP3



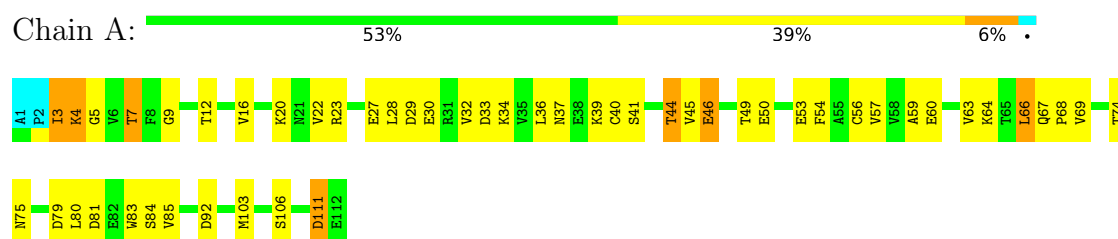
4.2.14 Score per residue for model 14

- Molecule 1: NSP3



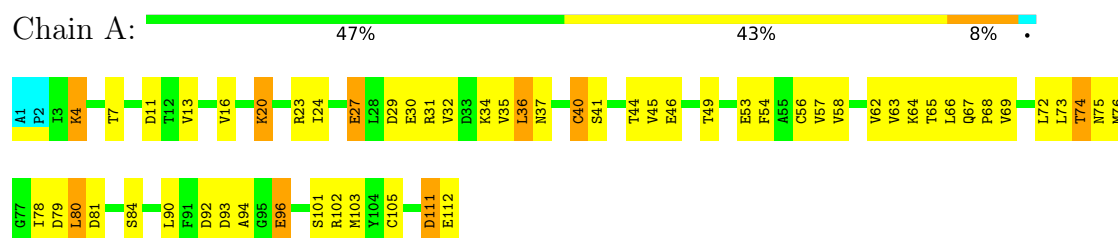
4.2.15 Score per residue for model 15

- Molecule 1: NSP3



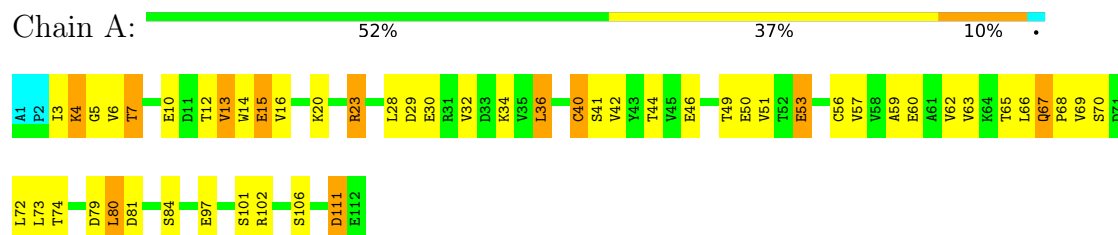
4.2.16 Score per residue for model 16

- Molecule 1: NSP3



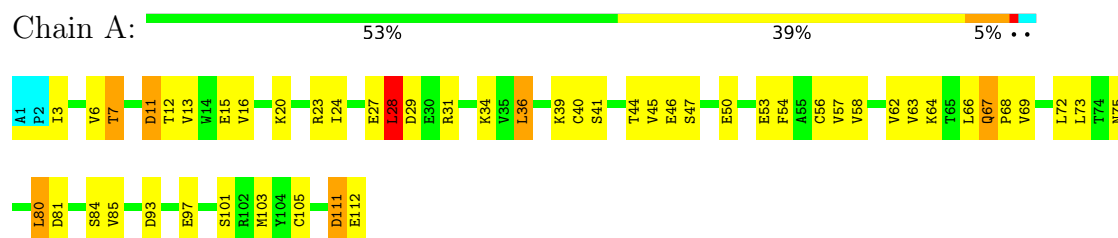
4.2.17 Score per residue for model 17

- Molecule 1: NSP3



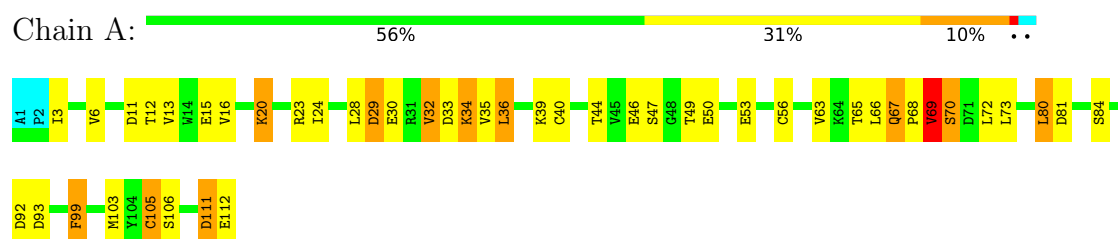
4.2.18 Score per residue for model 18

- Molecule 1: NSP3



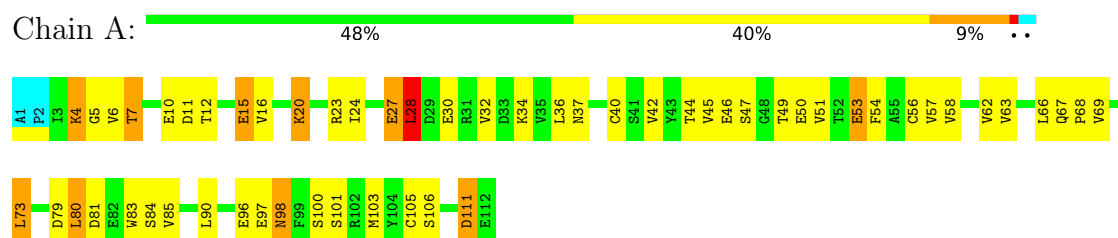
4.2.19 Score per residue for model 19

- Molecule 1: NSP3



4.2.20 Score per residue for model 20

- Molecule 1: NSP3



5 Refinement protocol and experimental data overview

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

Of the 80 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
ATNOS/CANDID/CYANA	structure solution	1.0
OPALp	refinement	1.0

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1386
Number of shifts mapped to atoms	1386
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	94%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts [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	876	826	826	19±5
All	All	17520	16520	16520	387

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 11.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:22:VAL:HG21	1:A:103:MET:HE2	0.89	1.43	6	3
1:A:22:VAL:HG21	1:A:103:MET:HE3	0.86	1.45	12	1
1:A:90:LEU:HD22	1:A:103:MET:HE2	0.86	1.46	20	1
1:A:22:VAL:HG11	1:A:103:MET:HE2	0.78	1.52	15	1
1:A:67:GLN:N	1:A:68:PRO:CD	0.74	2.51	20	20
1:A:63:VAL:HG13	1:A:80:LEU:HD11	0.71	1.62	6	5
1:A:32:VAL:O	1:A:32:VAL:HG13	0.67	1.89	19	1
1:A:94:ALA:HB3	1:A:96:GLU:OE1	0.64	1.91	1	3
1:A:63:VAL:HG13	1:A:80:LEU:HD12	0.64	1.70	3	2
1:A:23:ARG:O	1:A:24:ILE:HD13	0.63	1.93	10	4
1:A:20:LYS:HB2	1:A:45:VAL:HG13	0.63	1.70	9	5
1:A:12:THR:O	1:A:16:VAL:HG12	0.63	1.94	10	10
1:A:72:LEU:HG	1:A:73:LEU:HD12	0.63	1.70	18	4
1:A:63:VAL:HG13	1:A:80:LEU:HD22	0.63	1.69	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:94:ALA:HB3	1:A:96:GLU:CD	0.63	2.17	1	3
1:A:7:THR:HG21	1:A:16:VAL:CG2	0.63	2.23	12	1
1:A:94:ALA:HB3	1:A:96:GLU:OE2	0.63	1.94	1	3
1:A:66:LEU:HD12	1:A:83:TRP:CZ3	0.62	2.30	20	1
1:A:51:VAL:HG11	1:A:97:GLU:HB3	0.61	1.72	3	1
1:A:3:ILE:HG21	1:A:7:THR:O	0.61	1.95	14	7
1:A:99:PHE:O	1:A:99:PHE:CG	0.60	2.51	19	1
1:A:54:PHE:O	1:A:58:VAL:HG22	0.60	1.96	4	1
1:A:28:LEU:HD12	1:A:83:TRP:CH2	0.60	2.32	11	1
1:A:66:LEU:HD22	1:A:83:TRP:CZ3	0.60	2.32	1	5
1:A:80:LEU:O	1:A:80:LEU:HD13	0.60	1.97	10	7
1:A:90:LEU:HD22	1:A:103:MET:CE	0.59	2.26	20	1
1:A:63:VAL:HG13	1:A:80:LEU:CD1	0.59	2.27	13	11
1:A:27:GLU:O	1:A:28:LEU:HD22	0.59	1.96	11	2
1:A:90:LEU:HB2	1:A:103:MET:HE2	0.59	1.75	9	1
1:A:22:VAL:HG11	1:A:103:MET:CE	0.59	2.27	15	1
1:A:70:SER:CB	1:A:80:LEU:HD12	0.58	2.27	19	1
1:A:58:VAL:O	1:A:62:VAL:HG23	0.58	1.97	1	2
1:A:32:VAL:CG2	1:A:66:LEU:HD13	0.58	2.28	20	1
1:A:45:VAL:HG13	1:A:54:PHE:CE1	0.57	2.35	1	3
1:A:23:ARG:C	1:A:24:ILE:HD13	0.56	2.25	1	3
1:A:24:ILE:HD11	1:A:103:MET:HE3	0.56	1.76	1	1
1:A:90:LEU:CD1	1:A:103:MET:HE3	0.56	2.30	10	1
1:A:24:ILE:HG23	1:A:103:MET:O	0.56	2.00	19	4
1:A:45:VAL:HG11	1:A:54:PHE:CE1	0.56	2.35	6	1
1:A:63:VAL:HG13	1:A:80:LEU:CD2	0.56	2.31	19	1
1:A:66:LEU:O	1:A:80:LEU:HD11	0.56	2.00	19	1
1:A:36:LEU:HB3	1:A:66:LEU:HD11	0.56	1.78	17	6
1:A:27:GLU:O	1:A:28:LEU:HD12	0.55	2.01	12	9
1:A:67:GLN:N	1:A:68:PRO:HD3	0.55	2.17	19	20
1:A:69:VAL:HG21	1:A:72:LEU:HD12	0.55	1.79	1	2
1:A:69:VAL:CG2	1:A:72:LEU:HD12	0.55	2.32	13	2
1:A:22:VAL:HG21	1:A:103:MET:CE	0.55	2.28	12	1
1:A:31:ARG:HG3	1:A:32:VAL:HG13	0.54	1.77	5	1
1:A:70:SER:HB3	1:A:80:LEU:HD12	0.54	1.79	19	1
1:A:99:PHE:HA	1:A:103:MET:HE2	0.54	1.78	12	1
1:A:70:SER:OG	1:A:80:LEU:HD12	0.54	2.03	19	1
1:A:73:LEU:HD12	1:A:80:LEU:HD23	0.54	1.79	1	1
1:A:59:ALA:O	1:A:63:VAL:HG23	0.54	2.02	4	5
1:A:85:VAL:O	1:A:85:VAL:HG13	0.54	2.03	20	6
1:A:35:VAL:HG12	1:A:65:THR:HG22	0.53	1.79	4	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:53:GLU:O	1:A:57:VAL:HG23	0.53	2.03	17	3
1:A:32:VAL:CG2	1:A:66:LEU:HD21	0.53	2.33	15	1
1:A:10:GLU:CB	1:A:16:VAL:HG21	0.53	2.33	20	2
1:A:66:LEU:HD22	1:A:83:TRP:CH2	0.53	2.38	15	4
1:A:62:VAL:O	1:A:66:LEU:HD12	0.53	2.04	6	3
1:A:98:ASN:O	1:A:103:MET:HE3	0.53	2.03	9	1
1:A:54:PHE:HA	1:A:57:VAL:HG12	0.53	1.80	15	9
1:A:51:VAL:O	1:A:90:LEU:HD23	0.53	2.04	3	1
1:A:3:ILE:HG22	1:A:4:LYS:HD2	0.53	1.79	9	1
1:A:22:VAL:HG11	1:A:103:MET:SD	0.52	2.44	3	4
1:A:32:VAL:HB	1:A:66:LEU:HD11	0.52	1.82	10	1
1:A:63:VAL:HG12	1:A:63:VAL:O	0.52	2.03	12	1
1:A:25:THR:HG23	1:A:25:THR:O	0.52	2.04	13	1
1:A:10:GLU:HB3	1:A:16:VAL:HG21	0.52	1.80	20	1
1:A:28:LEU:HD22	1:A:36:LEU:HD13	0.52	1.82	18	2
1:A:36:LEU:O	1:A:36:LEU:HD12	0.52	2.05	13	8
1:A:45:VAL:HG23	1:A:54:PHE:CE1	0.52	2.40	2	4
1:A:73:LEU:HD23	1:A:78:ILE:HG21	0.52	1.80	11	1
1:A:40:CYS:SG	1:A:65:THR:HG21	0.51	2.45	17	1
1:A:40:CYS:HB2	1:A:65:THR:HG21	0.51	1.81	11	1
1:A:67:GLN:HG2	1:A:80:LEU:HD21	0.51	1.81	9	1
1:A:72:LEU:CD1	1:A:73:LEU:HD23	0.51	2.36	7	5
1:A:7:THR:HG21	1:A:16:VAL:HG21	0.51	1.82	12	1
1:A:23:ARG:NE	1:A:42:VAL:HG22	0.50	2.21	20	2
1:A:66:LEU:HD12	1:A:83:TRP:CH2	0.50	2.41	20	1
1:A:24:ILE:HD13	1:A:43:TYR:CE1	0.50	2.42	5	1
1:A:51:VAL:HG11	1:A:97:GLU:HG2	0.50	1.84	17	4
1:A:32:VAL:O	1:A:66:LEU:HD21	0.49	2.07	13	2
1:A:54:PHE:CD2	1:A:103:MET:HE1	0.49	2.42	2	2
1:A:22:VAL:HG21	1:A:103:MET:SD	0.49	2.46	9	3
1:A:73:LEU:HD23	1:A:76:MET:HE3	0.49	1.85	8	1
1:A:90:LEU:CB	1:A:103:MET:HE2	0.49	2.37	9	1
1:A:73:LEU:HD23	1:A:76:MET:CE	0.49	2.38	13	1
1:A:20:LYS:O	1:A:44:THR:HG23	0.49	2.07	6	2
1:A:76:MET:SD	1:A:78:ILE:HD12	0.48	2.48	10	2
1:A:63:VAL:HG13	1:A:80:LEU:HD23	0.48	1.84	16	1
1:A:32:VAL:O	1:A:66:LEU:HD11	0.48	2.08	5	1
1:A:65:THR:O	1:A:66:LEU:HD23	0.48	2.08	3	1
1:A:66:LEU:C	1:A:68:PRO:CD	0.48	2.86	15	20
1:A:58:VAL:O	1:A:62:VAL:HG13	0.48	2.09	16	4
1:A:73:LEU:HA	1:A:76:MET:HE3	0.48	1.85	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:7:THR:HG21	1:A:10:GLU:OE2	0.48	2.09	20	1
1:A:63:VAL:O	1:A:63:VAL:HG12	0.47	2.09	18	1
1:A:34:LYS:HD3	1:A:35:VAL:HG23	0.47	1.85	19	1
1:A:78:ILE:HG23	1:A:83:TRP:NE1	0.47	2.24	11	1
1:A:96:GLU:HG3	1:A:98:ASN:ND2	0.47	2.24	20	1
1:A:39:LYS:HB3	1:A:65:THR:HG21	0.47	1.84	6	1
1:A:7:THR:HG23	1:A:10:GLU:HG3	0.47	1.85	7	2
1:A:43:TYR:CZ	1:A:58:VAL:HG13	0.47	2.45	8	2
1:A:32:VAL:HG23	1:A:66:LEU:HD13	0.47	1.86	20	1
1:A:90:LEU:HD13	1:A:103:MET:SD	0.47	2.50	16	1
1:A:33:ASP:HA	1:A:36:LEU:HD23	0.46	1.87	5	1
1:A:54:PHE:O	1:A:58:VAL:HG23	0.46	2.10	3	4
1:A:36:LEU:HB3	1:A:66:LEU:HD21	0.46	1.86	12	2
1:A:58:VAL:O	1:A:62:VAL:HG22	0.46	2.11	16	1
1:A:73:LEU:N	1:A:73:LEU:HD13	0.46	2.26	20	1
1:A:74:THR:HG23	1:A:79:ASP:CG	0.45	2.36	16	1
1:A:32:VAL:HG12	1:A:32:VAL:O	0.45	2.11	11	1
1:A:51:VAL:HG11	1:A:97:GLU:CG	0.45	2.42	1	4
1:A:29:ASP:OD2	1:A:32:VAL:HG12	0.45	2.12	19	1
1:A:13:VAL:CG2	1:A:14:TRP:N	0.45	2.79	17	1
1:A:29:ASP:OD2	1:A:32:VAL:HG23	0.45	2.12	1	1
1:A:24:ILE:HG21	1:A:105:CYS:HB2	0.44	1.89	20	1
1:A:68:PRO:O	1:A:69:VAL:HG13	0.44	2.12	10	3
1:A:12:THR:HG23	1:A:15:GLU:HB2	0.44	1.88	17	3
1:A:73:LEU:CD1	1:A:80:LEU:HD23	0.44	2.42	1	1
1:A:35:VAL:HB	1:A:66:LEU:HD22	0.43	1.90	16	1
1:A:36:LEU:CD2	1:A:66:LEU:HD11	0.43	2.42	16	1
1:A:6:VAL:HG12	1:A:6:VAL:O	0.43	2.13	19	1
1:A:24:ILE:HD13	1:A:103:MET:HB3	0.43	1.90	16	1
1:A:65:THR:C	1:A:66:LEU:HD22	0.43	2.39	5	1
1:A:22:VAL:CG2	1:A:103:MET:HE2	0.43	2.31	6	2
1:A:24:ILE:HD11	1:A:43:TYR:CE1	0.42	2.49	9	1
1:A:72:LEU:C	1:A:72:LEU:HD12	0.42	2.38	11	1
1:A:58:VAL:HG11	1:A:105:CYS:SG	0.42	2.54	3	1
1:A:7:THR:HG21	1:A:16:VAL:HG22	0.42	1.89	12	1
1:A:22:VAL:HG22	1:A:100:SER:O	0.42	2.15	1	1
1:A:90:LEU:HB3	1:A:103:MET:HE2	0.42	1.90	8	1
1:A:65:THR:C	1:A:66:LEU:HD23	0.42	2.39	16	1
1:A:65:THR:O	1:A:66:LEU:HD22	0.42	2.14	5	1
1:A:66:LEU:C	1:A:68:PRO:HD2	0.42	2.40	15	7
1:A:3:ILE:HG22	1:A:4:LYS:N	0.42	2.29	5	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:90:LEU:N	1:A:90:LEU:HD22	0.42	2.30	3	2
1:A:90:LEU:HD22	1:A:103:MET:HE3	0.42	1.91	5	1
1:A:51:VAL:HG21	1:A:97:GLU:O	0.42	2.15	9	1
1:A:63:VAL:O	1:A:67:GLN:HG2	0.42	2.15	12	1
1:A:72:LEU:HD12	1:A:72:LEU:C	0.41	2.40	8	1
1:A:3:ILE:HG22	1:A:4:LYS:H	0.41	1.75	11	1
1:A:31:ARG:HD2	1:A:32:VAL:HG13	0.41	1.92	16	1
1:A:72:LEU:HD12	1:A:72:LEU:O	0.41	2.14	8	1
1:A:90:LEU:HD23	1:A:105:CYS:HA	0.41	1.92	16	1
1:A:32:VAL:HG23	1:A:35:VAL:HG21	0.41	1.92	19	1
1:A:45:VAL:HG22	1:A:54:PHE:CE1	0.41	2.51	18	1
1:A:80:LEU:HD13	1:A:80:LEU:C	0.41	2.41	6	1
1:A:29:ASP:OD2	1:A:32:VAL:HG22	0.41	2.15	17	1
1:A:59:ALA:HB3	1:A:60:GLU:OE2	0.41	2.16	10	1
1:A:22:VAL:HG21	1:A:103:MET:HG2	0.41	1.93	11	1
1:A:78:ILE:HG23	1:A:83:TRP:CZ2	0.41	2.50	12	1
1:A:24:ILE:HD11	1:A:103:MET:HE2	0.41	1.93	3	1
1:A:24:ILE:HG21	1:A:105:CYS:SG	0.41	2.56	19	2
1:A:29:ASP:OD1	1:A:78:ILE:HD13	0.40	2.16	8	1
1:A:87:THR:HG22	1:A:89:TYR:CE2	0.40	2.50	11	1
1:A:39:LYS:HG3	1:A:65:THR:HG21	0.40	1.92	13	1
1:A:51:VAL:HG22	1:A:99:PHE:HD1	0.40	1.76	1	1
1:A:20:LYS:CB	1:A:45:VAL:HG13	0.40	2.44	9	1
1:A:66:LEU:HD23	1:A:83:TRP:CZ3	0.40	2.51	10	1
1:A:3:ILE:HG21	1:A:7:THR:C	0.40	2.41	18	1
1:A:58:VAL:O	1:A:58:VAL:HG12	0.40	2.17	18	1
1:A:66:LEU:HD22	1:A:83:TRP:HZ3	0.40	1.72	11	1
1:A:45:VAL:HG13	1:A:54:PHE:CZ	0.40	2.52	1	1
1:A:59:ALA:HB2	1:A:88:PHE:CD1	0.40	2.52	3	1
1:A:90:LEU:HD22	1:A:103:MET:SD	0.40	2.57	12	1

6.3 Torsion angles ⓘ

6.3.1 Protein backbone ⓘ

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	109/112 (97%)	84±2 (77±1%)	19±2 (18±2%)	6±2 (6±1%)	2	20
All	All	2180/2240 (97%)	1672 (77%)	382 (18%)	126 (6%)	2	20

All 17 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	69	VAL	20
1	A	111	ASP	20
1	A	40	CYS	19
1	A	5	GLY	11
1	A	46	GLU	11
1	A	4	LYS	10
1	A	11	ASP	9
1	A	27	GLU	5
1	A	6	VAL	5
1	A	28	LEU	4
1	A	3	ILE	3
1	A	63	VAL	2
1	A	9	GLY	2
1	A	7	THR	2
1	A	16	VAL	1
1	A	25	THR	1
1	A	32	VAL	1

6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	99/100 (99%)	69±3 (69±3%)	30±3 (31±3%)	1	16
All	All	1980/2000 (99%)	1375 (69%)	605 (31%)	1	16

All 68 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	34	LYS	20

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Mol	Chain	Res	Type	Models (Total)
1	A	111	ASP	20
1	A	81	ASP	19
1	A	44	THR	18
1	A	49	THR	18
1	A	36	LEU	17
1	A	50	GLU	17
1	A	53	GLU	17
1	A	106	SER	17
1	A	20	LYS	16
1	A	30	GLU	16
1	A	46	GLU	16
1	A	80	LEU	16
1	A	4	LYS	15
1	A	39	LYS	15
1	A	101	SER	15
1	A	23	ARG	14
1	A	28	LEU	14
1	A	70	SER	14
1	A	74	THR	14
1	A	79	ASP	14
1	A	13	VAL	14
1	A	84	SER	14
1	A	27	GLU	14
1	A	7	THR	13
1	A	112	GLU	13
1	A	56	CYS	13
1	A	41	SER	11
1	A	67	GLN	11
1	A	29	ASP	10
1	A	64	LYS	10
1	A	15	GLU	9
1	A	16	VAL	9
1	A	92	ASP	9
1	A	47	SER	9
1	A	60	GLU	8
1	A	75	ASN	8
1	A	40	CYS	7
1	A	37	ASN	7
1	A	97	GLU	5
1	A	11	ASP	5
1	A	31	ARG	5
1	A	93	ASP	5

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Mol	Chain	Res	Type	Models (Total)
1	A	102	ARG	4
1	A	100	SER	4
1	A	33	ASP	4
1	A	65	THR	4
1	A	105	CYS	3
1	A	45	VAL	3
1	A	103	MET	3
1	A	66	LEU	3
1	A	69	VAL	3
1	A	42	VAL	3
1	A	76	MET	2
1	A	96	GLU	2
1	A	90	LEU	2
1	A	38	GLU	2
1	A	71	ASP	2
1	A	6	VAL	1
1	A	87	THR	1
1	A	17	GLN	1
1	A	24	ILE	1
1	A	3	ILE	1
1	A	43	TYR	1
1	A	62	VAL	1
1	A	99	PHE	1
1	A	73	LEU	1
1	A	98	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 94% for the well-defined parts and 94% 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	1386
Number of shifts mapped to atoms	1386
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	9

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	112	2.76 ± 0.10	Should be applied
$^{13}\text{C}_\beta$	106	2.99 ± 0.21	Should be applied
$^{13}\text{C}'$	106	2.67 ± 0.09	Should be applied
^{15}N	106	-0.05 ± 0.37	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 94%, i.e. 1368 atoms were assigned a chemical shift out of a possible 1456. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	544/550 (99%)	223/223 (100%)	215/220 (98%)	106/107 (99%)
Sidechain	700/767 (91%)	477/497 (96%)	214/250 (86%)	9/20 (45%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	124/139 (89%)	62/67 (93%)	60/70 (86%)	2/2 (100%)
Overall	1368/1456 (94%)	762/787 (97%)	489/540 (91%)	117/129 (91%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 94%, i.e. 1386 atoms were assigned a chemical shift out of a possible 1477. 0 out of 22 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	549/558 (98%)	225/226 (100%)	218/224 (97%)	106/108 (98%)
Sidechain	713/780 (91%)	486/506 (96%)	218/254 (86%)	9/20 (45%)
Aromatic	124/139 (89%)	62/67 (93%)	60/70 (86%)	2/2 (100%)
Overall	1386/1477 (94%)	773/799 (97%)	496/548 (91%)	117/130 (90%)

7.1.4 Statistically unusual chemical shifts ⓘ

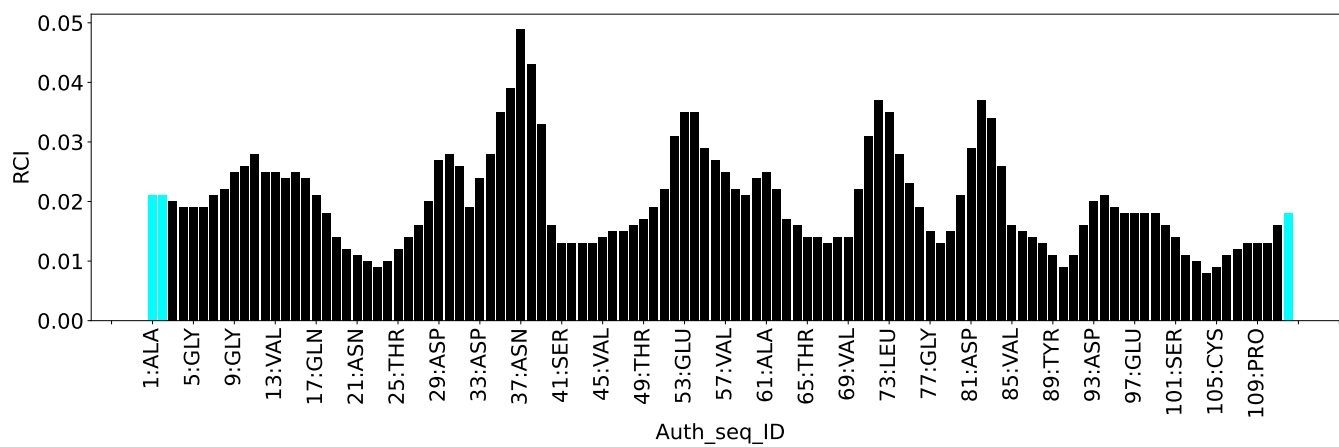
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	28	LEU	HD11	-0.74	-0.61 – 2.12	-5.5
1	A	28	LEU	HD12	-0.74	-0.61 – 2.12	-5.5
1	A	28	LEU	HD13	-0.74	-0.61 – 2.12	-5.5
1	A	28	LEU	HD21	-0.74	-0.65 – 2.13	-5.3
1	A	28	LEU	HD22	-0.74	-0.65 – 2.13	-5.3
1	A	28	LEU	HD23	-0.74	-0.65 – 2.13	-5.3
1	A	24	ILE	HG21	-0.62	-0.56 – 2.11	-5.2
1	A	24	ILE	HG22	-0.62	-0.56 – 2.11	-5.2
1	A	24	ILE	HG23	-0.62	-0.56 – 2.11	-5.2

7.1.5 Random Coil Index (RCI) plots ⓘ

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	1788
Intra-residue ($ i-j =0$)	346
Sequential ($ i-j =1$)	624
Medium range ($ i-j >1$ and $ i-j <5$)	433
Long range ($ i-j \geq 5$)	385
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	16.0
Number of long range restraints per residue ¹	3.4

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	32.4	0.2
0.2-0.5 (Medium)	65.5	0.5
>0.5 (Large)	183.4	4.95

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 ⓘ

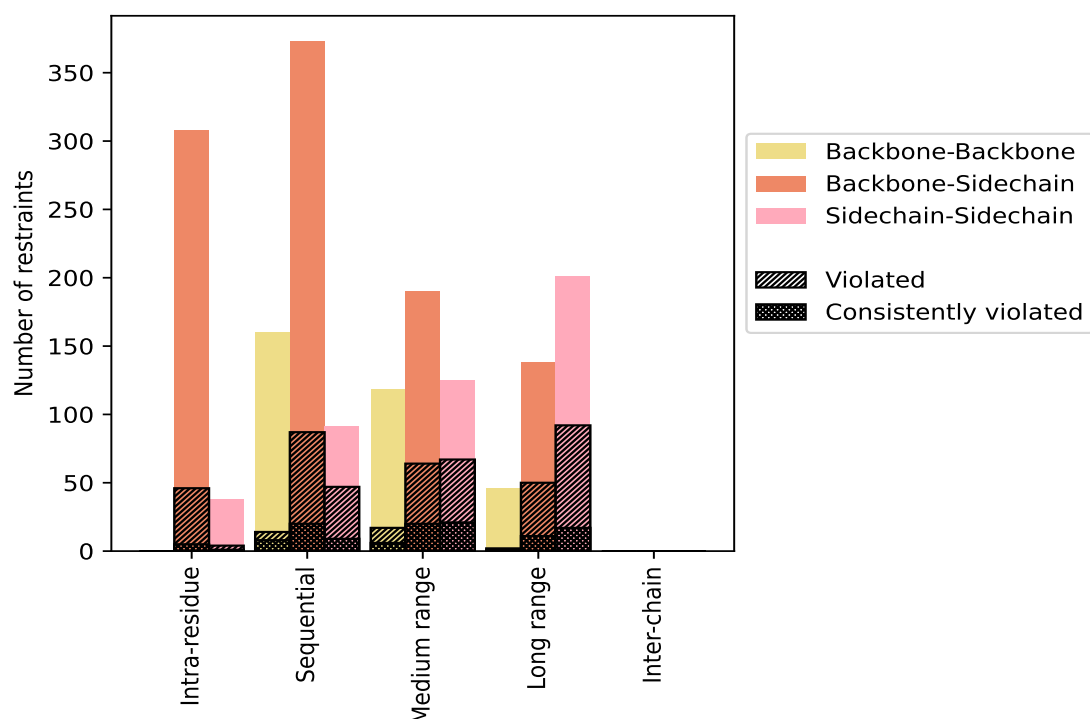
9.1 Summary of distance violations ⓘ

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.

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	346	19.4	50	14.5	2.8	6	1.7	0.3
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	308	17.2	46	14.9	2.6	5	1.6	0.3
Sidechain-Sidechain	38	2.1	4	10.5	0.2	1	2.6	0.1
Sequential (i-j =1)	624	34.9	148	23.7	8.3	37	5.9	2.1
Backbone-Backbone	160	8.9	14	8.8	0.8	8	5.0	0.4
Backbone-Sidechain	373	20.9	87	23.3	4.9	20	5.4	1.1
Sidechain-Sidechain	91	5.1	47	51.6	2.6	9	9.9	0.5
Medium range (i-j >1 & i-j <5)	433	24.2	148	34.2	8.3	47	10.9	2.6
Backbone-Backbone	118	6.6	17	14.4	1.0	6	5.1	0.3
Backbone-Sidechain	190	10.6	64	33.7	3.6	20	10.5	1.1
Sidechain-Sidechain	125	7.0	67	53.6	3.7	21	16.8	1.2
Long range (i-j ≥5)	385	21.5	144	37.4	8.1	29	7.5	1.6
Backbone-Backbone	46	2.6	2	4.3	0.1	1	2.2	0.1
Backbone-Sidechain	138	7.7	50	36.2	2.8	11	8.0	0.6
Sidechain-Sidechain	201	11.2	92	45.8	5.1	17	8.5	1.0
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	1788	100.0	490	27.4	27.4	119	6.7	6.7
Backbone-Backbone	324	18.1	33	10.2	1.8	15	4.6	0.8
Backbone-Sidechain	1009	56.4	247	24.5	13.8	56	5.6	3.1
Sidechain-Sidechain	455	25.4	210	46.2	11.7	48	10.5	2.7

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 [i](#)



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 [i](#)

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	22	82	95	85	0	284	1.02	4.22	0.82	0.82
2	23	87	93	90	0	293	1.02	4.63	0.84	0.79
3	23	87	88	83	0	281	1.06	4.29	0.86	0.85
4	21	84	94	82	0	281	1.05	4.95	0.86	0.84
5	18	87	107	79	0	291	1.01	4.62	0.8	0.82
6	24	87	87	80	0	278	1.01	4.4	0.84	0.78
7	26	84	92	76	0	278	1.03	3.77	0.84	0.8
8	26	84	96	74	0	280	0.98	4.21	0.83	0.78
9	25	86	91	84	0	286	1.0	4.2	0.82	0.78
10	22	91	96	84	0	293	0.99	4.44	0.8	0.8

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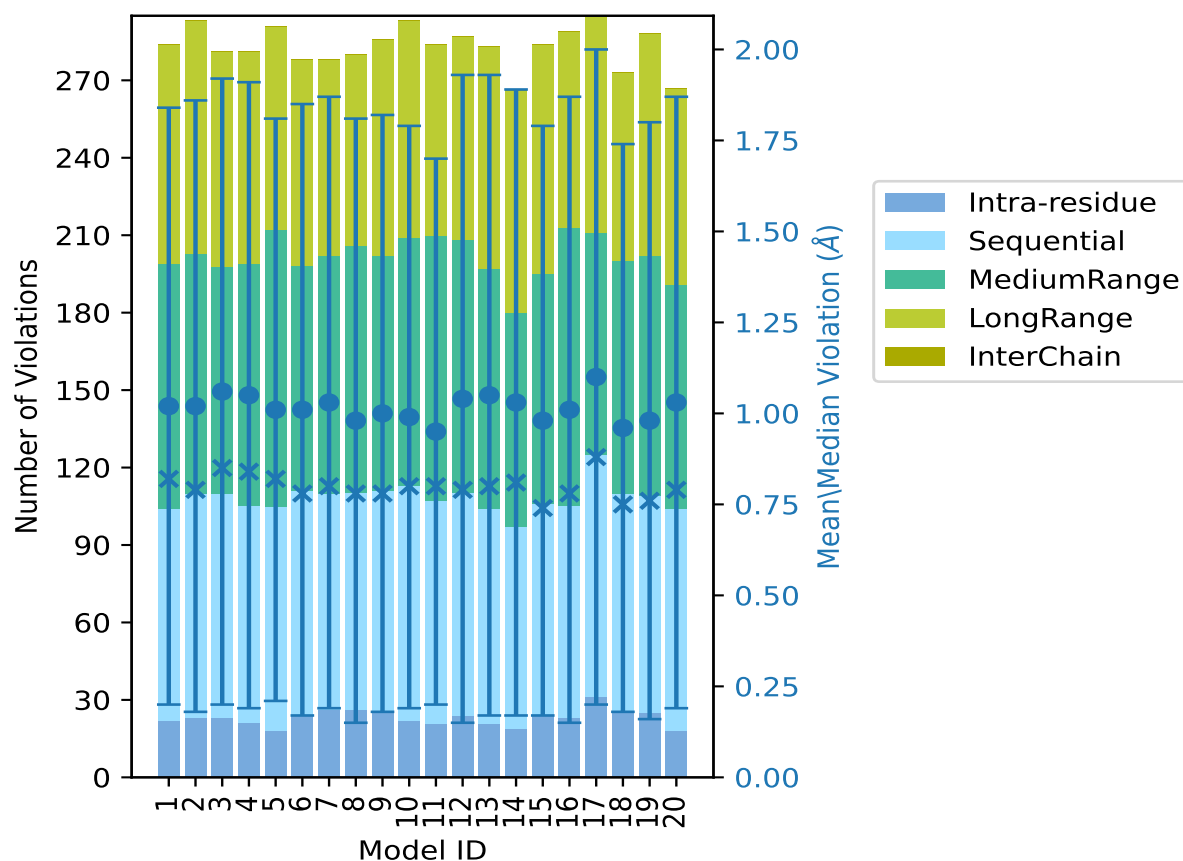
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	21	86	103	74	0	284	0.95	3.96	0.75	0.8
12	24	86	98	79	0	287	1.04	4.39	0.89	0.79
13	21	83	93	86	0	283	1.05	4.8	0.88	0.8
14	19	78	83	86	0	266	1.03	4.55	0.86	0.81
15	24	82	89	89	0	284	0.98	3.98	0.81	0.74
16	23	82	108	76	0	289	1.01	4.08	0.86	0.78
17	31	94	86	84	0	295	1.1	4.26	0.9	0.88
18	25	85	90	73	0	273	0.96	3.93	0.78	0.75
19	25	84	93	86	0	288	0.98	4.29	0.82	0.76
20	18	86	87	76	0	267	1.03	3.88	0.84	0.79

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints,

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble

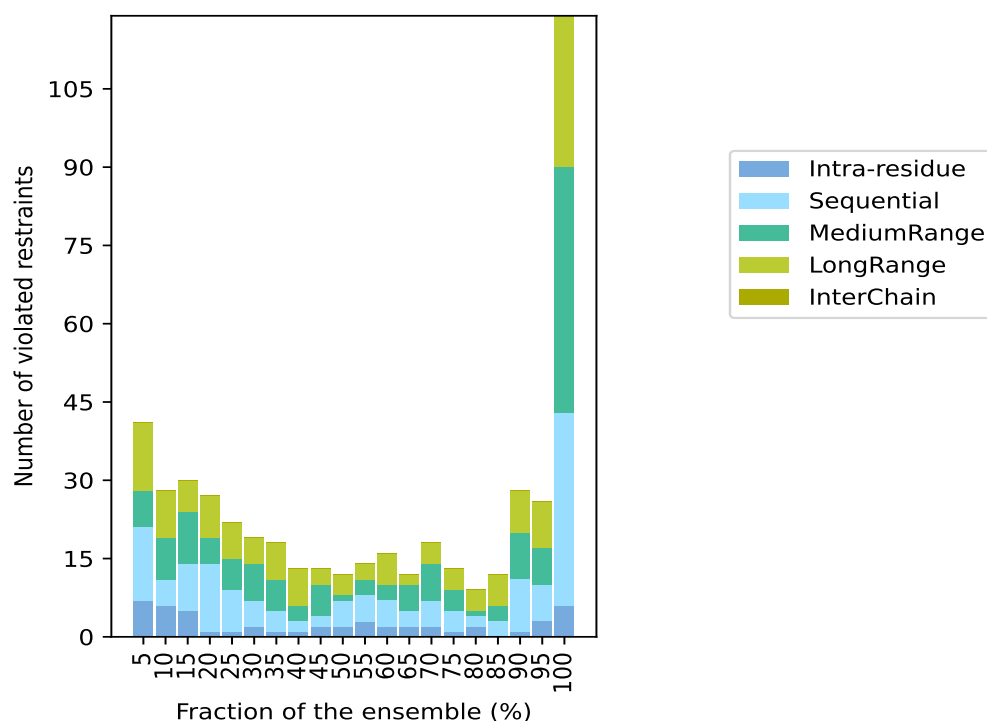
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1298(IR:296, SQ:476, MR:285, LR:241, IC:0) restraints are 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	%
7	14	7	13	0	41	1	5.0
6	5	8	9	0	28	2	10.0
5	9	10	6	0	30	3	15.0
1	13	5	8	0	27	4	20.0
1	8	6	7	0	22	5	25.0
2	5	7	5	0	19	6	30.0
1	4	6	7	0	18	7	35.0
1	2	3	7	0	13	8	40.0
2	2	6	3	0	13	9	45.0
2	5	1	4	0	12	10	50.0
3	5	3	3	0	14	11	55.0
2	5	3	6	0	16	12	60.0
2	3	5	2	0	12	13	65.0
2	5	7	4	0	18	14	70.0
1	4	4	4	0	13	15	75.0
2	2	1	4	0	9	16	80.0
0	3	3	6	0	12	17	85.0
1	10	9	8	0	28	18	90.0
3	7	7	9	0	26	19	95.0
6	37	47	29	0	119	20	100.0

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints,

⁵Inter-chain restraints, ⁶ Number of models with violations

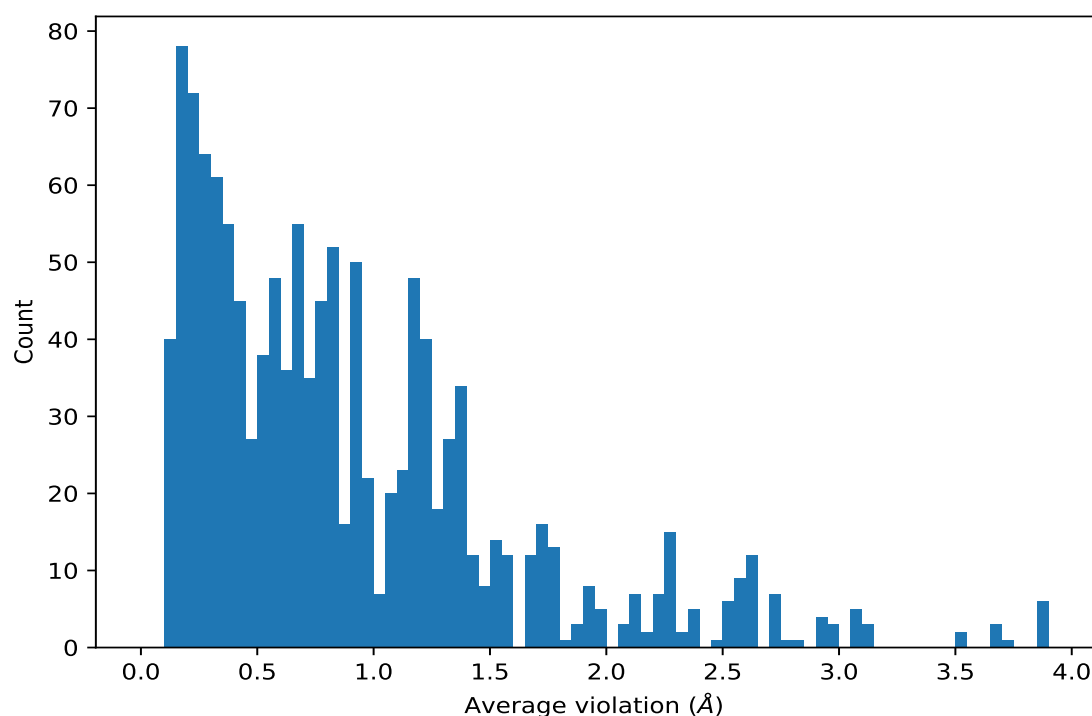
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



9.4 Most violated distance restraints in the ensemble [i](#)

9.4.1 Histogram : Distribution of mean distance violations [i](#)

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 the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. 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)
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	20	3.85	0.43	3.8
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	20	3.85	0.43	3.8
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	20	3.85	0.43	3.8
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	20	3.85	0.43	3.8
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	20	3.85	0.43	3.8
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	20	3.85	0.43	3.8
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	20	3.7	0.36	3.62
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	20	3.69	1.03	3.96
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	20	3.69	1.03	3.96
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	20	3.69	1.03	3.96
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	20	3.51	0.21	3.64
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	20	3.51	0.21	3.64
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	20	3.11	0.47	3.1
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	20	3.11	0.47	3.1
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	20	3.11	0.47	3.1
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	20	2.96	0.66	3.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	20	2.96	0.66	3.12
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	20	2.96	0.66	3.12
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	20	2.81	0.68	2.96
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	20	2.74	0.57	2.78
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	20	2.73	0.45	2.78
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	20	2.73	0.45	2.78
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	20	2.73	0.45	2.78
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	20	2.71	0.51	2.46
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	20	2.71	0.51	2.46
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	20	2.71	0.51	2.46
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	20	2.63	0.28	2.59
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	20	2.63	0.28	2.59
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	20	2.63	0.28	2.59
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	20	2.61	0.59	2.98
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	20	2.61	0.59	2.98
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	20	2.61	0.59	2.98
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	20	2.61	0.59	2.98
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	20	2.61	0.59	2.98
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	20	2.61	0.59	2.98
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	20	2.61	0.59	2.98
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	20	2.61	0.59	2.98
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	20	2.61	0.59	2.98
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	20	2.55	0.52	2.5
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	20	2.55	0.52	2.5
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	20	2.55	0.52	2.5
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	20	2.55	0.52	2.5
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	20	2.55	0.52	2.5
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	20	2.55	0.52	2.5
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	20	2.55	0.52	2.5
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	20	2.55	0.52	2.5
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	20	2.55	0.52	2.5
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	20	2.5	0.33	2.46
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	20	2.5	0.33	2.46
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	20	2.5	0.33	2.46
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	20	2.5	0.33	2.46
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	20	2.5	0.33	2.46
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	20	2.5	0.33	2.46
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	20	2.47	0.7	2.92
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	20	2.38	0.39	2.6
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	20	2.35	0.92	2.38
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	20	2.35	0.92	2.38
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	20	2.35	0.4	2.41

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	20	2.35	0.4	2.41
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	20	2.32	0.5	2.32
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	20	2.31	0.65	2.41
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	20	2.29	0.41	2.2
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	20	2.29	0.41	2.2
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	20	2.29	0.41	2.2
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	20	2.27	0.87	1.88
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	20	2.27	0.87	1.88
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	20	2.27	0.87	1.88
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	20	2.2	0.49	2.23
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	20	2.2	0.49	2.23
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	20	2.2	0.49	2.23
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	20	2.16	0.28	2.26
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	20	2.16	0.28	2.26
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	20	2.14	0.79	2.36
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	20	2.13	0.86	2.26
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	20	2.13	0.86	2.26
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	20	2.13	0.86	2.26
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	20	2.07	0.28	2.12
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	20	2.07	0.28	2.12
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	20	2.07	0.28	2.12
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	20	1.99	0.17	2.06
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	20	1.96	0.37	1.85
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	20	1.92	0.8	1.96
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	20	1.92	0.8	1.96
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	20	1.92	0.8	1.96
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	20	1.79	0.27	1.86
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	20	1.79	0.27	1.86
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	20	1.79	0.27	1.86
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	20	1.79	0.27	1.86
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	20	1.79	0.27	1.86
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	20	1.79	0.27	1.86
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	20	1.79	0.27	1.86
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	20	1.79	0.27	1.86
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	20	1.79	0.27	1.86
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	20	1.78	0.33	1.73
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	20	1.74	0.2	1.74
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	20	1.74	0.2	1.74
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	20	1.72	0.7	1.68
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	20	1.72	0.7	1.68
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	20	1.72	0.31	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	20	1.72	0.31	1.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	20	1.72	0.31	1.75
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	20	1.69	0.49	1.66
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	20	1.69	0.49	1.66
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	20	1.69	0.49	1.66
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	20	1.69	0.49	1.66
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	20	1.59	0.14	1.62
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	20	1.59	0.14	1.62
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	20	1.59	0.14	1.62
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	20	1.58	0.25	1.52
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	20	1.58	0.25	1.52
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	20	1.58	0.25	1.52
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	20	1.56	0.61	1.64
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	20	1.56	0.61	1.64
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	20	1.56	0.61	1.64
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	20	1.48	0.26	1.6
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	20	1.48	0.26	1.6
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	20	1.46	0.29	1.56
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	20	1.46	0.29	1.56
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	20	1.46	0.29	1.56
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	20	1.44	0.9	1.1
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	20	1.44	0.9	1.1
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	20	1.44	0.9	1.1
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	20	1.4	0.64	1.02
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	20	1.4	0.64	1.02
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	20	1.4	0.64	1.02
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	20	1.4	0.64	1.02
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	20	1.4	0.64	1.02
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	20	1.4	0.64	1.02
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	20	1.36	0.2	1.22
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	20	1.36	0.33	1.36
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	20	1.36	0.33	1.36
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	20	1.36	0.33	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	20	1.35	0.04	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	20	1.35	0.04	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	20	1.35	0.04	1.36
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	20	1.34	0.18	1.36
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	20	1.34	0.18	1.36
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	20	1.34	0.18	1.36
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	20	1.32	0.05	1.33
(1,783)	1:91:A:PHE:HE1	1:111:A:ASP:HA	20	1.3	0.13	1.32
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	20	1.3	0.13	1.32
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	20	1.3	0.03	1.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	20	1.3	0.03	1.3
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	20	1.3	0.21	1.31
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	20	1.3	0.21	1.31
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	20	1.3	0.21	1.31
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	20	1.3	0.21	1.31
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	20	1.3	0.21	1.31
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	20	1.3	0.21	1.31
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	20	1.3	0.21	1.31
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	20	1.3	0.21	1.31
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	20	1.3	0.21	1.31
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	20	1.3	0.21	1.31
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	20	1.3	0.21	1.31
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	20	1.3	0.21	1.31
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	20	1.29	0.41	1.56
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	20	1.29	0.41	1.56
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	20	1.28	0.07	1.28
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	20	1.27	0.27	1.31
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	20	1.27	0.27	1.31
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	20	1.27	0.27	1.31
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	20	1.25	0.51	1.5
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	20	1.25	0.19	1.25
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	20	1.25	0.19	1.25
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	20	1.25	0.19	1.25
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	20	1.22	0.57	1.14
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	20	1.22	0.57	1.14
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	20	1.22	0.57	1.14
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	20	1.22	0.57	1.14
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	20	1.22	0.57	1.14
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	20	1.22	0.57	1.14
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	20	1.22	0.13	1.19
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	20	1.22	0.13	1.19
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	20	1.22	0.13	1.19
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	20	1.22	0.13	1.19
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	20	1.22	0.13	1.19
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	20	1.22	0.13	1.19
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	20	1.2	0.25	1.2
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	20	1.19	0.2	1.2
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	20	1.18	0.12	1.16
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	20	1.18	0.12	1.16
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	20	1.17	0.26	1.23
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	20	1.17	0.26	1.23
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	20	1.17	0.55	1.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	20	1.17	0.55	1.04
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	20	1.17	0.55	1.04
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	20	1.15	0.22	1.14
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	20	1.12	0.06	1.11
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	20	1.12	0.16	1.15
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	20	1.12	0.16	1.15
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	20	1.12	0.16	1.15
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	20	1.12	0.16	1.15
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	20	1.12	0.16	1.15
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	20	1.12	0.16	1.15
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	20	1.1	0.25	1.23
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	20	1.09	0.23	1.17
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	20	1.04	0.5	0.8
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	20	1.04	0.25	1.14
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	20	0.98	0.17	0.94
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	20	0.95	0.25	0.94
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	20	0.95	0.31	0.91
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	20	0.95	0.31	0.91
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	20	0.94	0.2	0.97
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	20	0.93	0.46	0.72
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	20	0.93	0.46	0.72
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	20	0.93	0.46	0.72
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	20	0.93	0.06	0.91
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	20	0.93	0.06	0.91
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	20	0.92	0.01	0.92
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	20	0.92	0.13	0.94
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	20	0.92	0.15	0.96
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	20	0.91	0.46	0.72
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	20	0.9	0.07	0.91
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	20	0.9	0.07	0.91
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	20	0.9	0.07	0.91
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	20	0.9	0.07	0.91
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	20	0.9	0.07	0.91
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	20	0.9	0.07	0.91
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	20	0.9	0.07	0.91
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	20	0.9	0.07	0.91
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	20	0.9	0.07	0.91
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	20	0.85	0.07	0.86
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	20	0.85	0.07	0.86
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	20	0.85	0.07	0.86
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	20	0.85	0.19	0.87
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	20	0.85	0.19	0.87

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	20	0.84	0.07	0.85
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	20	0.84	0.07	0.85
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	20	0.84	0.07	0.85
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	20	0.84	0.08	0.85
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	20	0.83	0.02	0.82
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	20	0.83	0.19	0.82
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	20	0.83	0.19	0.82
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	20	0.83	0.19	0.82
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	20	0.83	0.19	0.82
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	20	0.83	0.19	0.82
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	20	0.83	0.19	0.82
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	20	0.82	0.37	0.64
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	20	0.81	0.2	0.83
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	20	0.77	0.36	0.53
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	20	0.76	0.04	0.77
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	20	0.76	0.37	0.8
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	20	0.76	0.37	0.8
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	20	0.76	0.37	0.8
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	20	0.76	0.37	0.8
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	20	0.76	0.37	0.8
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	20	0.76	0.37	0.8
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	20	0.74	0.39	0.74
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	20	0.74	0.39	0.74
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	20	0.71	0.07	0.72
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	20	0.71	0.07	0.72
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	20	0.71	0.07	0.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	20	0.71	0.1	0.68
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	20	0.71	0.1	0.68
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	20	0.71	0.1	0.68
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	20	0.7	0.14	0.69
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	20	0.69	0.03	0.7
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	20	0.69	0.04	0.67
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	20	0.67	0.03	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	20	0.67	0.03	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	20	0.67	0.03	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	20	0.67	0.03	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	20	0.67	0.03	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	20	0.67	0.03	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	20	0.67	0.03	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	20	0.67	0.03	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	20	0.67	0.03	0.66
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	20	0.62	0.29	0.62
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	20	0.62	0.29	0.62
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	20	0.62	0.29	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	20	0.62	0.01	0.62
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	20	0.61	0.13	0.57
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	20	0.53	0.27	0.64
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	20	0.53	0.27	0.64
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	20	0.53	0.27	0.64
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	20	0.52	0.05	0.54
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	20	0.48	0.09	0.5
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	20	0.47	0.02	0.46
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	20	0.45	0.14	0.5
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	20	0.45	0.14	0.5
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	20	0.45	0.14	0.5
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	20	0.4	0.02	0.4
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	20	0.39	0.13	0.41
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	20	0.39	0.13	0.41
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	20	0.38	0.18	0.32
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	20	0.38	0.08	0.4
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	20	0.37	0.04	0.38
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	20	0.34	0.07	0.34
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	20	0.34	0.07	0.34
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	20	0.33	0.03	0.33
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	20	0.33	0.03	0.33
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	20	0.33	0.03	0.33
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	20	0.33	0.06	0.36
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	20	0.25	0.06	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	20	0.24	0.01	0.24
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	20	0.16	0.0	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	20	0.16	0.0	0.16
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	20	0.14	0.01	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	20	0.14	0.01	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	20	0.14	0.01	0.14
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	19	2.92	1.26	3.26
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HE1	19	2.92	1.26	3.26
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD2	19	2.92	1.26	3.26
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HE2	19	2.92	1.26	3.26
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	19	2.23	0.36	2.28
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	19	2.23	0.36	2.28
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD2	19	1.76	0.33	1.87
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD1	19	1.76	0.33	1.87
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HE2	19	1.76	0.33	1.87
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	19	1.71	0.29	1.7
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	19	1.71	0.29	1.7
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	19	1.71	0.29	1.7
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	19	1.71	0.29	1.7
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	19	1.71	0.29	1.7
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	19	1.71	0.29	1.7
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	19	1.67	0.95	2.08
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	19	1.67	0.95	2.08
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	19	1.67	0.95	2.08
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	19	1.66	0.53	1.74
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	19	1.66	0.53	1.74
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	19	1.51	0.22	1.55
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	19	1.36	0.41	1.4
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	19	1.36	0.41	1.4
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	19	1.36	0.41	1.4
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	19	1.36	0.41	1.4
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	19	1.36	0.41	1.4
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	19	1.36	0.41	1.4
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	19	1.24	0.39	1.23
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	19	1.24	0.39	1.23
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	19	1.24	0.39	1.23
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	19	1.24	0.39	1.23
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	19	1.24	0.39	1.23
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	19	1.24	0.39	1.23
(1,333)	1:99:A:PHE:HD2	1:100:A:SER:HB3	19	1.23	0.42	1.44
(1,333)	1:99:A:PHE:HD1	1:100:A:SER:HB3	19	1.23	0.42	1.44
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	19	1.07	0.44	0.91

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	19	1.07	0.44	0.91
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	19	1.07	0.44	0.91
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	19	1.07	0.44	0.91
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	19	1.07	0.44	0.91
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	19	1.07	0.44	0.91
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	19	0.9	0.56	0.65
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	19	0.9	0.56	0.65
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	19	0.9	0.56	0.65
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	19	0.88	0.42	0.82
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	19	0.88	0.42	0.82
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	19	0.88	0.42	0.82
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	19	0.79	0.35	0.76
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	19	0.79	0.35	0.76
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	19	0.73	0.17	0.78
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	19	0.7	0.07	0.68
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	19	0.7	0.07	0.68
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	19	0.7	0.07	0.68
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	19	0.7	0.28	0.61
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	19	0.7	0.28	0.61
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	19	0.7	0.28	0.61
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	19	0.54	0.19	0.45
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	19	0.54	0.19	0.45
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	19	0.43	0.06	0.44
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	19	0.43	0.09	0.44
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	19	0.42	0.18	0.4
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	19	0.24	0.09	0.23
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	19	0.23	0.03	0.25
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	19	0.23	0.03	0.25
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	19	0.23	0.03	0.25
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	19	0.23	0.03	0.25
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	19	0.23	0.03	0.25
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	19	0.23	0.03	0.25
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	19	0.19	0.03	0.19
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	19	0.18	0.03	0.18
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	19	0.15	0.02	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	19	0.15	0.02	0.16
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	18	2.28	0.69	2.31
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	18	2.28	0.69	2.31
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	18	2.28	0.69	2.31
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	18	2.28	0.69	2.31
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	18	2.28	0.69	2.31
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	18	2.28	0.69	2.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	18	2.2	0.58	2.41
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	18	2.2	0.58	2.41
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	18	2.12	0.09	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	18	2.12	0.09	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	18	2.12	0.09	2.13
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	18	1.86	0.57	2.05
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	18	1.86	0.68	1.82
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	18	1.86	0.68	1.82
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	18	1.57	0.82	1.76
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	18	1.57	0.82	1.76
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	18	1.55	0.61	1.76
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	18	1.45	0.47	1.62
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	18	1.45	0.47	1.62
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	18	1.45	0.47	1.62
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	18	1.37	0.31	1.44
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	18	1.37	0.31	1.44
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	18	1.28	0.36	1.44
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	18	1.28	0.19	1.23
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	18	1.28	0.19	1.23
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	18	1.28	0.19	1.23
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	18	1.2	0.34	1.25
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	18	1.19	0.19	1.16
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	18	1.19	0.19	1.16
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	18	1.19	0.19	1.16
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	18	0.96	0.06	0.98
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	18	0.96	0.06	0.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	18	0.96	0.06	0.98
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	18	0.84	0.35	0.74
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	18	0.84	0.35	0.74
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	18	0.8	0.22	0.78
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	18	0.8	0.22	0.78
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	18	0.8	0.22	0.78
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	18	0.8	0.22	0.78
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	18	0.8	0.22	0.78
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	18	0.8	0.22	0.78
(1,1690)	1:99:A:PHE:HD2	1:100:A:SER:H	18	0.76	0.2	0.84
(1,1690)	1:99:A:PHE:HD1	1:100:A:SER:H	18	0.76	0.2	0.84
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	18	0.66	0.23	0.67
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	18	0.66	0.23	0.67
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	18	0.66	0.23	0.67
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	18	0.66	0.23	0.67
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	18	0.66	0.23	0.67
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	18	0.66	0.23	0.67
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	18	0.62	0.15	0.59
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	18	0.62	0.15	0.59
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	18	0.61	0.23	0.62
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	18	0.61	0.23	0.62
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	18	0.61	0.23	0.62
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	18	0.53	0.16	0.58
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	18	0.5	0.3	0.5
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	18	0.5	0.3	0.5
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	18	0.5	0.3	0.5
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	18	0.38	0.08	0.4
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	18	0.28	0.09	0.26
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	18	0.27	0.02	0.28
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	18	0.27	0.02	0.28
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	18	0.27	0.02	0.28
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	18	0.27	0.12	0.23
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	18	0.18	0.04	0.2
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	18	0.18	0.04	0.2
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	18	0.18	0.04	0.2
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	18	0.15	0.03	0.16
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	17	1.95	0.83	2.03
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	17	1.95	0.83	2.03
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	17	1.95	0.83	2.03
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	17	1.72	0.75	1.93
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	17	1.72	0.75	1.93
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	17	1.72	0.75	1.93

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	17	1.17	0.59	1.49
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	17	1.17	0.59	1.49
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	17	1.17	0.59	1.49
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	17	1.08	0.36	1.03
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	17	1.08	0.36	1.03
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	17	0.68	0.52	0.4
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	17	0.68	0.52	0.4
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	17	0.68	0.52	0.4
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	17	0.59	0.28	0.66
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	17	0.59	0.28	0.66
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	17	0.52	0.19	0.5
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	17	0.52	0.19	0.5
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	17	0.52	0.19	0.5
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	17	0.48	0.2	0.41
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	17	0.48	0.2	0.41
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	17	0.48	0.2	0.41
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	17	0.36	0.13	0.37
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	17	0.36	0.13	0.37
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	17	0.36	0.13	0.37
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	17	0.36	0.13	0.37
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	17	0.36	0.13	0.37
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	17	0.36	0.13	0.37
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	17	0.29	0.08	0.31
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	17	0.27	0.08	0.23
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	17	0.27	0.08	0.23
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	17	0.22	0.07	0.2
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	17	0.22	0.07	0.2
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	17	0.22	0.07	0.2
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	16	1.91	0.19	1.84
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	16	1.91	0.19	1.84
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	16	1.42	0.58	1.62
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	16	1.42	0.58	1.62
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	16	1.42	0.58	1.62
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	16	1.16	0.97	0.6
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	16	1.16	0.97	0.6
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	16	1.16	0.97	0.6
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	16	1.16	0.97	0.6
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	16	1.16	0.97	0.6
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	16	1.16	0.97	0.6
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	16	1.16	0.97	0.6
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	16	1.16	0.97	0.6
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	16	1.16	0.97	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	16	0.44	0.16	0.45
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	16	0.44	0.16	0.45
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	16	0.41	0.22	0.4
(1,1646)	1:91:A:PHE:HD2	1:104:A:TYR:HD2	16	0.41	0.18	0.42
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	16	0.41	0.18	0.42
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	16	0.34	0.17	0.34
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	16	0.29	0.09	0.3
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	16	0.29	0.09	0.3
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	16	0.29	0.09	0.3
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	16	0.17	0.04	0.18
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	15	2.75	0.25	2.83
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	15	1.82	0.8	1.58
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	15	1.19	0.21	1.21
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	15	1.19	0.21	1.21
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	15	1.19	0.21	1.21
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	15	0.82	0.47	0.91
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	15	0.82	0.47	0.91
(1,103)	1:91:A:PHE:HD1	1:97:A:GLU:HG2	15	0.77	0.35	0.78
(1,103)	1:91:A:PHE:HD2	1:97:A:GLU:HG2	15	0.77	0.35	0.78
(1,103)	1:91:A:PHE:HE2	1:97:A:GLU:HG2	15	0.77	0.35	0.78
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	15	0.7	0.18	0.75
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	15	0.7	0.18	0.75
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	15	0.58	0.06	0.59
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	15	0.58	0.06	0.59
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	15	0.58	0.06	0.59
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	15	0.58	0.06	0.59
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	15	0.58	0.06	0.59
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	15	0.58	0.06	0.59
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	15	0.52	0.28	0.41
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	15	0.52	0.28	0.41
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	15	0.52	0.28	0.41
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	15	0.42	0.19	0.42
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	15	0.37	0.1	0.41
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	15	0.22	0.04	0.24
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	15	0.22	0.04	0.24
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	15	0.21	0.05	0.22
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	15	0.17	0.04	0.17
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	15	0.17	0.04	0.17
(1,1695)	1:86:A:ALA:HB3	1:107:A:PHE:HD1	14	3.07	0.81	3.0
(1,1695)	1:86:A:ALA:HB1	1:107:A:PHE:HD1	14	3.07	0.81	3.0
(1,1695)	1:86:A:ALA:HB2	1:107:A:PHE:HD2	14	3.07	0.81	3.0
(1,1695)	1:86:A:ALA:HB3	1:107:A:PHE:HD2	14	3.07	0.81	3.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1695)	1:86:A:ALA:HB2	1:107:A:PHE:HD1	14	3.07	0.81	3.0
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	14	1.9	0.08	1.92
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	14	1.9	0.08	1.92
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	14	1.9	0.08	1.92
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	14	1.54	0.03	1.54
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	14	1.54	0.03	1.54
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	14	1.54	0.03	1.54
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	14	1.03	0.3	1.11
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	14	1.03	0.0	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	14	1.03	0.0	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	14	1.03	0.0	1.03
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	14	0.98	0.03	0.98
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	14	0.98	0.03	0.98
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	14	0.98	0.03	0.98
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	14	0.98	0.03	0.98
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	14	0.98	0.03	0.98
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	14	0.98	0.03	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	14	0.98	0.03	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	14	0.98	0.03	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	14	0.98	0.03	0.98
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	14	0.91	0.06	0.9
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	14	0.91	0.06	0.9
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	14	0.91	0.06	0.9
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	14	0.84	0.52	0.86
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	14	0.84	0.52	0.86
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	14	0.84	0.52	0.86
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	14	0.65	0.31	0.74
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	14	0.65	0.31	0.74
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	14	0.53	0.04	0.52
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD2	14	0.53	0.04	0.52
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	14	0.46	0.01	0.47
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	14	0.46	0.01	0.47
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	14	0.46	0.01	0.47
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	14	0.45	0.19	0.43
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	14	0.45	0.19	0.43
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	14	0.45	0.19	0.43
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	14	0.36	0.05	0.37
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	14	0.36	0.05	0.37
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	14	0.36	0.05	0.37
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	14	0.32	0.09	0.33
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD1	14	0.31	0.09	0.35
(1,1692)	1:89:A:TYR:HE1	1:107:A:PHE:HD1	14	0.31	0.09	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD2	14	0.31	0.09	0.35
(1,1692)	1:89:A:TYR:HE1	1:107:A:PHE:HD2	14	0.31	0.09	0.35
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	14	0.29	0.06	0.31
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	14	0.29	0.06	0.31
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	14	0.29	0.06	0.31
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	14	0.27	0.06	0.28
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	14	0.27	0.06	0.28
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	14	0.27	0.06	0.28
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	14	0.14	0.04	0.14
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	13	1.5	0.83	1.61
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	13	0.97	0.4	0.97
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	13	0.97	0.4	0.97
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	13	0.97	0.4	0.97
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	13	0.88	0.28	1.02
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	13	0.88	0.28	1.02
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	13	0.88	0.28	1.02
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	13	0.77	0.35	0.76
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	13	0.56	0.19	0.56
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	13	0.56	0.19	0.56
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	13	0.56	0.19	0.56
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	13	0.4	0.18	0.31
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	13	0.4	0.18	0.31
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	13	0.4	0.18	0.31
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	13	0.4	0.18	0.31
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	13	0.4	0.18	0.31
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	13	0.4	0.18	0.31
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	13	0.4	0.18	0.31
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	13	0.4	0.18	0.31
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	13	0.4	0.18	0.31
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	13	0.3	0.09	0.33
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	13	0.3	0.09	0.33
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	13	0.21	0.03	0.2
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	13	0.21	0.03	0.2
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	13	0.18	0.01	0.18
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	13	0.16	0.03	0.16
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	13	0.13	0.01	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	13	0.13	0.01	0.13
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	13	0.11	0.01	0.11
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	12	1.67	0.49	1.75
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	12	1.67	0.49	1.75
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	12	1.67	0.49	1.75
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	12	1.27	0.21	1.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	12	1.27	0.21	1.19
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	12	1.27	0.21	1.19
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	12	1.22	0.07	1.23
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	12	1.22	0.07	1.23
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	12	1.22	0.07	1.23
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	12	1.09	0.43	1.07
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	12	1.09	0.43	1.07
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	12	1.09	0.43	1.07
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	12	1.09	0.43	1.07
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	12	1.09	0.43	1.07
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	12	1.09	0.43	1.07
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	12	1.09	0.43	1.07
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	12	1.09	0.43	1.07
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	12	1.09	0.43	1.07
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	12	1.07	0.07	1.06
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	12	0.92	0.2	0.95
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	12	0.92	0.2	0.95
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	12	0.92	0.2	0.95
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	12	0.92	0.2	0.95
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	12	0.92	0.2	0.95
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	12	0.92	0.2	0.95
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	12	0.8	0.11	0.82
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	12	0.8	0.11	0.82
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	12	0.8	0.11	0.82
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	12	0.8	0.11	0.82
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	12	0.8	0.11	0.82
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	12	0.8	0.11	0.82
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	12	0.8	0.11	0.82
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	12	0.8	0.11	0.82
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	12	0.8	0.11	0.82
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	12	0.78	0.03	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	12	0.78	0.03	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	12	0.78	0.03	0.79
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	12	0.75	0.29	0.72
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	12	0.75	0.29	0.72
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	12	0.75	0.29	0.72
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	12	0.66	0.35	0.62
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	12	0.66	0.35	0.62
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	12	0.66	0.35	0.62
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	12	0.61	0.15	0.67
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	12	0.61	0.15	0.67
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	12	0.61	0.15	0.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	12	0.5	0.19	0.54
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	12	0.42	0.2	0.36
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	12	0.42	0.2	0.36
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	12	0.3	0.02	0.3
(1,1221)	1:91:A:PHE:HE1	1:111:A:ASP:H	12	0.29	0.16	0.24
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	12	0.29	0.16	0.24
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	12	0.26	0.05	0.26
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	12	0.26	0.05	0.26
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	12	0.26	0.05	0.26
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	11	1.32	0.7	1.68
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	11	1.32	0.7	1.68
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	11	1.3	0.27	1.17
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	11	1.3	0.27	1.17
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	11	1.3	0.27	1.17
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	11	1.23	0.21	1.19
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	11	1.23	0.21	1.19
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	11	1.23	0.21	1.19
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	11	1.23	0.21	1.19
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	11	1.23	0.21	1.19
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	11	1.23	0.21	1.19
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	11	1.23	0.21	1.19
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	11	1.23	0.21	1.19
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	11	1.23	0.21	1.19
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	11	1.16	0.33	1.27
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	11	1.16	0.33	1.27
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	11	1.16	0.33	1.27
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	11	1.16	0.33	1.27
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	11	1.16	0.33	1.27
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	11	1.16	0.33	1.27
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	11	1.16	0.33	1.27
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	11	1.16	0.33	1.27
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	11	1.16	0.33	1.27
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	11	0.89	0.16	0.94
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	11	0.87	0.37	1.02
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	11	0.79	0.25	0.64
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	11	0.79	0.25	0.64
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	11	0.79	0.25	0.64
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	11	0.67	0.4	0.53
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	11	0.67	0.4	0.53
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	11	0.67	0.4	0.53
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	11	0.64	0.19	0.75
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	11	0.64	0.19	0.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	11	0.64	0.19	0.75
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	11	0.36	0.05	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	11	0.36	0.05	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	11	0.36	0.05	0.37
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	11	0.36	0.11	0.36
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	11	0.36	0.11	0.36
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	11	0.36	0.11	0.36
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	11	0.33	0.17	0.24
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	11	0.33	0.17	0.24
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	11	0.33	0.17	0.24
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	11	0.29	0.0	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	11	0.29	0.0	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	11	0.29	0.0	0.29
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	11	0.23	0.06	0.24
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG11	10	0.92	0.72	0.74
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG12	10	0.92	0.72	0.74
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG13	10	0.92	0.72	0.74
(1,1496)	1:23:A:ARG:HG3	1:41:A:SER:H	10	0.84	0.24	0.86
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG11	10	0.83	0.25	0.91
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG12	10	0.83	0.25	0.91
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG13	10	0.83	0.25	0.91
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG2	10	0.82	0.15	0.78
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG3	10	0.82	0.15	0.78
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG2	10	0.82	0.15	0.78
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG3	10	0.82	0.15	0.78
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG2	10	0.82	0.15	0.78
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG3	10	0.82	0.15	0.78
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD21	10	0.78	0.26	0.68
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD22	10	0.78	0.26	0.68
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD23	10	0.78	0.26	0.68
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD21	10	0.78	0.26	0.68
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD22	10	0.78	0.26	0.68
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD23	10	0.78	0.26	0.68
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD21	10	0.78	0.26	0.68
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD22	10	0.78	0.26	0.68
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD23	10	0.78	0.26	0.68
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD11	10	0.56	0.34	0.52
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD12	10	0.56	0.34	0.52
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD13	10	0.56	0.34	0.52
(1,23)	1:23:A:ARG:H	1:23:A:ARG:HD3	10	0.51	0.08	0.5
(1,1594)	1:30:A:GLU:HA	1:32:A:VAL:H	10	0.41	0.18	0.41
(1,278)	1:29:A:ASP:HA	1:30:A:GLU:HB2	10	0.32	0.02	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE1	10	0.27	0.09	0.28
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE2	10	0.27	0.09	0.28
(1,1059)	1:94:A:ALA:H	1:95:A:GLY:HA3	10	0.15	0.02	0.15
(1,84)	1:7:A:THR:HA	1:8:A:PHE:HB2	10	0.12	0.02	0.12
(1,304)	1:16:A:VAL:HG11	1:17:A:GLN:HB2	9	1.23	0.17	1.13
(1,304)	1:16:A:VAL:HG12	1:17:A:GLN:HB2	9	1.23	0.17	1.13
(1,304)	1:16:A:VAL:HG13	1:17:A:GLN:HB2	9	1.23	0.17	1.13
(1,88)	1:6:A:VAL:HG11	1:8:A:PHE:HB3	9	0.69	0.25	0.6
(1,88)	1:6:A:VAL:HG12	1:8:A:PHE:HB3	9	0.69	0.25	0.6
(1,88)	1:6:A:VAL:HG13	1:8:A:PHE:HB3	9	0.69	0.25	0.6
(1,88)	1:6:A:VAL:HG21	1:8:A:PHE:HB3	9	0.69	0.25	0.6
(1,88)	1:6:A:VAL:HG22	1:8:A:PHE:HB3	9	0.69	0.25	0.6
(1,88)	1:6:A:VAL:HG23	1:8:A:PHE:HB3	9	0.69	0.25	0.6
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG11	9	0.69	0.35	0.5
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG12	9	0.69	0.35	0.5
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG13	9	0.69	0.35	0.5
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD2	9	0.67	0.19	0.65
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD3	9	0.67	0.19	0.65
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD2	9	0.67	0.19	0.65
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD3	9	0.67	0.19	0.65
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG21	9	0.59	0.22	0.63
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG22	9	0.59	0.22	0.63
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG23	9	0.59	0.22	0.63
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG21	9	0.59	0.22	0.51
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG22	9	0.59	0.22	0.51
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG23	9	0.59	0.22	0.51
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG21	9	0.59	0.22	0.51
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG22	9	0.59	0.22	0.51
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG23	9	0.59	0.22	0.51
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG21	9	0.59	0.22	0.51
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG22	9	0.59	0.22	0.51
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG23	9	0.59	0.22	0.51
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE2	9	0.56	0.24	0.66
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE3	9	0.56	0.24	0.66
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE2	9	0.56	0.24	0.66
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE3	9	0.56	0.24	0.66
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE2	9	0.56	0.24	0.66
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE3	9	0.56	0.24	0.66
(1,209)	1:87:A:THR:HB	1:89:A:TYR:H	9	0.54	0.41	0.56
(1,841)	1:30:A:GLU:H	1:30:A:GLU:HB2	9	0.2	0.02	0.2
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG21	9	0.17	0.1	0.13
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG22	9	0.17	0.1	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG23	9	0.17	0.1	0.13
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG21	9	0.17	0.1	0.13
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG22	9	0.17	0.1	0.13
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG23	9	0.17	0.1	0.13
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG21	9	0.17	0.1	0.13
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG22	9	0.17	0.1	0.13
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG23	9	0.17	0.1	0.13
(1,104)	1:97:A:GLU:H	1:97:A:GLU:HG2	9	0.17	0.03	0.18
(1,892)	1:83:A:TRP:H	1:86:A:ALA:H	9	0.14	0.04	0.13
(1,1056)	1:91:A:PHE:HD2	1:94:A:ALA:H	9	0.12	0.03	0.11
(1,1056)	1:91:A:PHE:HD1	1:94:A:ALA:H	9	0.12	0.03	0.11
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG11	8	1.13	0.45	1.28
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG12	8	1.13	0.45	1.28
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG13	8	1.13	0.45	1.28
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG11	8	1.13	0.45	1.28
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG12	8	1.13	0.45	1.28
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG13	8	1.13	0.45	1.28
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD11	8	0.9	0.6	1.12
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD12	8	0.9	0.6	1.12
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD13	8	0.9	0.6	1.12
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD11	8	0.65	0.33	0.52
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD12	8	0.65	0.33	0.52
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD13	8	0.65	0.33	0.52
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD11	8	0.65	0.33	0.52
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD12	8	0.65	0.33	0.52
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD13	8	0.65	0.33	0.52
(1,1645)	1:89:A:TYR:HD2	1:91:A:PHE:HE2	8	0.55	0.26	0.57
(1,1645)	1:89:A:TYR:HD1	1:91:A:PHE:HE2	8	0.55	0.26	0.57
(1,322)	1:51:A:VAL:HB	1:97:A:GLU:HB3	8	0.46	0.24	0.5
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD11	8	0.44	0.19	0.42
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD12	8	0.44	0.19	0.42
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD13	8	0.44	0.19	0.42
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD11	8	0.44	0.19	0.42
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD12	8	0.44	0.19	0.42
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD13	8	0.44	0.19	0.42
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD11	8	0.44	0.19	0.42
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD12	8	0.44	0.19	0.42
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD13	8	0.44	0.19	0.42
(1,1710)	1:13:A:VAL:HA	1:14:A:TRP:HD1	8	0.38	0.14	0.32
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD1	8	0.34	0.2	0.26
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD2	8	0.34	0.2	0.26
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD1	8	0.34	0.2	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD2	8	0.34	0.2	0.26
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD1	8	0.34	0.2	0.26
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD2	8	0.34	0.2	0.26
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD1	8	0.34	0.2	0.26
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD2	8	0.34	0.2	0.26
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD1	8	0.34	0.2	0.26
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD2	8	0.34	0.2	0.26
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD1	8	0.34	0.2	0.26
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD2	8	0.34	0.2	0.26
(1,362)	1:91:A:PHE:HE2	1:110:A:PRO:HG3	8	0.34	0.23	0.22
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD21	8	0.34	0.11	0.32
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD22	8	0.34	0.11	0.32
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD23	8	0.34	0.11	0.32
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD21	8	0.34	0.11	0.32
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD22	8	0.34	0.11	0.32
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD23	8	0.34	0.11	0.32
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD21	8	0.34	0.11	0.32
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD22	8	0.34	0.11	0.32
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD23	8	0.34	0.11	0.32
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA2	8	0.31	0.09	0.36
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA3	8	0.31	0.09	0.36
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG21	8	0.29	0.15	0.3
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG22	8	0.29	0.15	0.3
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG23	8	0.29	0.15	0.3
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG21	8	0.29	0.15	0.3
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG22	8	0.29	0.15	0.3
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG23	8	0.29	0.15	0.3
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG21	8	0.29	0.15	0.3
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG22	8	0.29	0.15	0.3
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG23	8	0.29	0.15	0.3
(1,229)	1:112:A:GLU:H	1:112:A:GLU:HB3	8	0.25	0.11	0.2
(1,67)	1:31:A:ARG:HA	1:33:A:ASP:HB2	7	1.34	0.44	1.54
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE1	7	1.16	0.41	0.91
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE2	7	1.16	0.41	0.91
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE3	7	1.16	0.41	0.91
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE1	7	1.16	0.41	0.91
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE2	7	1.16	0.41	0.91
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE3	7	1.16	0.41	0.91
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG11	7	1.1	0.15	1.11
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG12	7	1.1	0.15	1.11
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG13	7	1.1	0.15	1.11
(1,983)	1:62:A:VAL:H	1:65:A:THR:HB	7	1.08	0.71	0.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,258)	1:23:A:ARG:HG3	1:41:A:SER:HB3	7	0.77	0.12	0.72
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD21	7	0.6	0.23	0.68
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD22	7	0.6	0.23	0.68
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD23	7	0.6	0.23	0.68
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD21	7	0.6	0.23	0.68
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD22	7	0.6	0.23	0.68
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD23	7	0.6	0.23	0.68
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD21	7	0.6	0.23	0.68
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD22	7	0.6	0.23	0.68
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD23	7	0.6	0.23	0.68
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG11	7	0.51	0.08	0.49
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG12	7	0.51	0.08	0.49
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG13	7	0.51	0.08	0.49
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG21	7	0.51	0.08	0.49
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG22	7	0.51	0.08	0.49
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG23	7	0.51	0.08	0.49
(1,608)	1:7:A:THR:H	1:8:A:PHE:HA	7	0.51	0.09	0.5
(1,1694)	1:28:A:LEU:HD13	1:107:A:PHE:HD2	7	0.5	0.19	0.45
(1,1694)	1:28:A:LEU:HD11	1:107:A:PHE:HD2	7	0.5	0.19	0.45
(1,1694)	1:28:A:LEU:HD12	1:107:A:PHE:HD2	7	0.5	0.19	0.45
(1,1694)	1:28:A:LEU:HD22	1:107:A:PHE:HD2	7	0.5	0.19	0.45
(1,1694)	1:28:A:LEU:HD23	1:107:A:PHE:HD1	7	0.5	0.19	0.45
(1,849)	1:13:A:VAL:HG21	1:14:A:TRP:HE1	7	0.48	0.06	0.49
(1,849)	1:13:A:VAL:HG22	1:14:A:TRP:HE1	7	0.48	0.06	0.49
(1,849)	1:13:A:VAL:HG23	1:14:A:TRP:HE1	7	0.48	0.06	0.49
(1,1194)	1:59:A:ALA:H	1:88:A:PHE:HB3	7	0.42	0.21	0.38
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB2	7	0.36	0.07	0.37
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB3	7	0.36	0.07	0.37
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB2	7	0.36	0.07	0.37
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB3	7	0.36	0.07	0.37
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB2	7	0.36	0.07	0.37
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB3	7	0.36	0.07	0.37
(1,437)	1:63:A:VAL:HG21	1:64:A:LYS:HG2	7	0.31	0.14	0.35
(1,437)	1:63:A:VAL:HG22	1:64:A:LYS:HG2	7	0.31	0.14	0.35
(1,437)	1:63:A:VAL:HG23	1:64:A:LYS:HG2	7	0.31	0.14	0.35
(1,19)	1:23:A:ARG:H	1:23:A:ARG:HD2	7	0.26	0.15	0.23
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB1	7	0.24	0.11	0.21
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB2	7	0.24	0.11	0.21
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB3	7	0.24	0.11	0.21
(1,1370)	1:35:A:VAL:HG11	1:40:A:CYS:H	7	0.24	0.08	0.21
(1,1370)	1:35:A:VAL:HG12	1:40:A:CYS:H	7	0.24	0.08	0.21
(1,1370)	1:35:A:VAL:HG13	1:40:A:CYS:H	7	0.24	0.08	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1366)	1:40:A:CYS:H	1:41:A:SER:HB2	7	0.22	0.09	0.22
(1,261)	1:50:A:GLU:HA	1:53:A:GLU:HB3	7	0.17	0.08	0.15
(1,624)	1:42:A:VAL:HG21	1:44:A:THR:H	6	2.28	0.14	2.37
(1,624)	1:42:A:VAL:HG22	1:44:A:THR:H	6	2.28	0.14	2.37
(1,624)	1:42:A:VAL:HG23	1:44:A:THR:H	6	2.28	0.14	2.37
(1,15)	1:42:A:VAL:HG21	1:43:A:TYR:HB3	6	1.38	0.03	1.38
(1,15)	1:42:A:VAL:HG22	1:43:A:TYR:HB3	6	1.38	0.03	1.38
(1,15)	1:42:A:VAL:HG23	1:43:A:TYR:HB3	6	1.38	0.03	1.38
(1,627)	1:42:A:VAL:HG21	1:43:A:TYR:HA	6	1.21	0.02	1.22
(1,627)	1:42:A:VAL:HG22	1:43:A:TYR:HA	6	1.21	0.02	1.22
(1,627)	1:42:A:VAL:HG23	1:43:A:TYR:HA	6	1.21	0.02	1.22
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG21	6	1.18	0.25	1.23
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG22	6	1.18	0.25	1.23
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG23	6	1.18	0.25	1.23
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG2	6	1.12	0.08	1.15
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG3	6	1.12	0.08	1.15
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG2	6	1.12	0.08	1.15
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG3	6	1.12	0.08	1.15
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG2	6	1.12	0.08	1.15
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG3	6	1.12	0.08	1.15
(1,30)	1:92:A:ASP:HB3	1:94:A:ALA:HA	6	0.82	0.56	0.9
(1,430)	1:34:A:LYS:HG3	1:38:A:GLU:HG2	6	0.68	0.61	0.5
(1,490)	1:72:A:LEU:HD21	1:75:A:ASN:HD22	6	0.46	0.1	0.48
(1,490)	1:72:A:LEU:HD22	1:75:A:ASN:HD22	6	0.46	0.1	0.48
(1,490)	1:72:A:LEU:HD23	1:75:A:ASN:HD22	6	0.46	0.1	0.48
(1,1471)	1:96:A:GLU:HA	1:98:A:ASN:HD22	6	0.39	0.2	0.37
(1,1440)	1:63:A:VAL:HA	1:65:A:THR:H	6	0.37	0.19	0.38
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE1	6	0.35	0.11	0.4
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE2	6	0.35	0.11	0.4
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE1	6	0.34	0.07	0.36
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE2	6	0.34	0.07	0.36
(1,153)	1:49:A:THR:HG21	1:50:A:GLU:HG2	6	0.29	0.08	0.29
(1,153)	1:49:A:THR:HG22	1:50:A:GLU:HG2	6	0.29	0.08	0.29
(1,153)	1:49:A:THR:HG23	1:50:A:GLU:HG2	6	0.29	0.08	0.29
(1,1504)	1:51:A:VAL:HG11	1:91:A:PHE:H	6	0.26	0.1	0.26
(1,1504)	1:51:A:VAL:HG12	1:91:A:PHE:H	6	0.26	0.1	0.26
(1,1504)	1:51:A:VAL:HG13	1:91:A:PHE:H	6	0.26	0.1	0.26
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG21	6	0.2	0.08	0.16
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG22	6	0.2	0.08	0.16
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG23	6	0.2	0.08	0.16
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG21	6	0.2	0.08	0.16
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG22	6	0.2	0.08	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG23	6	0.2	0.08	0.16
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG21	6	0.2	0.08	0.16
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG22	6	0.2	0.08	0.16
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG23	6	0.2	0.08	0.16
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD21	6	0.2	0.1	0.18
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD22	6	0.2	0.1	0.18
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD23	6	0.2	0.1	0.18
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG11	6	0.19	0.02	0.2
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG12	6	0.19	0.02	0.2
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG13	6	0.19	0.02	0.2
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG21	6	0.18	0.0	0.18
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG22	6	0.18	0.0	0.18
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG23	6	0.18	0.0	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG21	6	0.18	0.0	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG22	6	0.18	0.0	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG23	6	0.18	0.0	0.18
(1,1421)	1:37:A:ASN:H	1:37:A:ASN:HD22	6	0.15	0.04	0.16
(1,499)	1:80:A:LEU:HD21	1:83:A:TRP:HE1	5	1.19	0.56	1.29
(1,499)	1:80:A:LEU:HD22	1:83:A:TRP:HE1	5	1.19	0.56	1.29
(1,499)	1:80:A:LEU:HD23	1:83:A:TRP:HE1	5	1.19	0.56	1.29
(1,392)	1:102:A:ARG:HG3	1:103:A:MET:HA	5	0.9	0.46	0.69
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG11	5	0.88	0.54	1.19
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG12	5	0.88	0.54	1.19
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG13	5	0.88	0.54	1.19
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG21	5	0.84	0.41	0.7
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG22	5	0.84	0.41	0.7
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG23	5	0.84	0.41	0.7
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG21	5	0.84	0.41	0.7
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG22	5	0.84	0.41	0.7
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG23	5	0.84	0.41	0.7
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD2	5	0.75	0.57	0.53
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD3	5	0.75	0.57	0.53
(1,501)	1:80:A:LEU:HD21	1:83:A:TRP:H	5	0.75	0.31	0.79
(1,501)	1:80:A:LEU:HD22	1:83:A:TRP:H	5	0.75	0.31	0.79
(1,501)	1:80:A:LEU:HD23	1:83:A:TRP:H	5	0.75	0.31	0.79
(1,1294)	1:4:A:LYS:HB3	1:6:A:VAL:H	5	0.73	0.21	0.81
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG11	5	0.47	0.25	0.37
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG12	5	0.47	0.25	0.37
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG13	5	0.47	0.25	0.37
(1,695)	1:28:A:LEU:HD11	1:106:A:SER:HA	5	0.36	0.16	0.26
(1,695)	1:28:A:LEU:HD12	1:106:A:SER:HA	5	0.36	0.16	0.26
(1,695)	1:28:A:LEU:HD13	1:106:A:SER:HA	5	0.36	0.16	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,695)	1:28:A:LEU:HD21	1:106:A:SER:HA	5	0.36	0.16	0.26
(1,695)	1:28:A:LEU:HD22	1:106:A:SER:HA	5	0.36	0.16	0.26
(1,695)	1:28:A:LEU:HD23	1:106:A:SER:HA	5	0.36	0.16	0.26
(1,958)	1:28:A:LEU:H	1:29:A:ASP:HB3	5	0.35	0.08	0.37
(1,1682)	1:45:A:VAL:HG22	1:99:A:PHE:HD1	5	0.35	0.14	0.33
(1,1682)	1:45:A:VAL:HG21	1:99:A:PHE:HD1	5	0.35	0.14	0.33
(1,1682)	1:45:A:VAL:HG21	1:99:A:PHE:HD2	5	0.35	0.14	0.33
(1,1682)	1:45:A:VAL:HG23	1:99:A:PHE:HD1	5	0.35	0.14	0.33
(1,1682)	1:45:A:VAL:HG23	1:99:A:PHE:HD2	5	0.35	0.14	0.33
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG11	5	0.35	0.13	0.42
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG12	5	0.35	0.13	0.42
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG13	5	0.35	0.13	0.42
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG11	5	0.35	0.13	0.42
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG12	5	0.35	0.13	0.42
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG13	5	0.35	0.13	0.42
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG11	5	0.32	0.06	0.29
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG12	5	0.32	0.06	0.29
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG13	5	0.32	0.06	0.29
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG11	5	0.3	0.38	0.11
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG12	5	0.3	0.38	0.11
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG13	5	0.3	0.38	0.11
(1,453)	1:6:A:VAL:HB	1:7:A:THR:HA	5	0.28	0.02	0.27
(1,652)	1:22:A:VAL:HG11	1:103:A:MET:H	5	0.27	0.11	0.29
(1,652)	1:22:A:VAL:HG12	1:103:A:MET:H	5	0.27	0.11	0.29
(1,652)	1:22:A:VAL:HG13	1:103:A:MET:H	5	0.27	0.11	0.29
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD11	5	0.24	0.07	0.23
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD12	5	0.24	0.07	0.23
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD13	5	0.24	0.07	0.23
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD11	5	0.24	0.07	0.23
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD12	5	0.24	0.07	0.23
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD13	5	0.24	0.07	0.23
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD11	5	0.24	0.07	0.23
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD12	5	0.24	0.07	0.23
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD13	5	0.24	0.07	0.23
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG11	5	0.21	0.0	0.21
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG12	5	0.21	0.0	0.21
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG13	5	0.21	0.0	0.21
(1,1500)	1:91:A:PHE:H	1:91:A:PHE:HD2	5	0.2	0.09	0.17
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG21	5	0.19	0.14	0.12
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG22	5	0.19	0.14	0.12
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG23	5	0.19	0.14	0.12
(1,64)	1:80:A:LEU:HB2	1:81:A:ASP:HB2	5	0.18	0.08	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,207)	1:6:A:VAL:HB	1:7:A:THR:H	5	0.13	0.01	0.12
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD11	4	1.5	0.05	1.48
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD12	4	1.5	0.05	1.48
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD13	4	1.5	0.05	1.48
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD11	4	1.5	0.05	1.48
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD12	4	1.5	0.05	1.48
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD13	4	1.5	0.05	1.48
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD11	4	1.5	0.05	1.48
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD12	4	1.5	0.05	1.48
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD13	4	1.5	0.05	1.48
(1,1254)	1:102:A:ARG:HG3	1:104:A:TYR:H	4	1.3	0.25	1.33
(1,1523)	1:72:A:LEU:HD11	1:75:A:ASN:HD22	4	0.99	0.16	0.97
(1,1523)	1:72:A:LEU:HD12	1:75:A:ASN:HD22	4	0.99	0.16	0.97
(1,1523)	1:72:A:LEU:HD13	1:75:A:ASN:HD22	4	0.99	0.16	0.97
(1,260)	1:23:A:ARG:HG3	1:41:A:SER:HB2	4	0.92	0.17	0.84
(1,1517)	1:72:A:LEU:HD21	1:75:A:ASN:HD21	4	0.76	0.36	0.68
(1,1517)	1:72:A:LEU:HD22	1:75:A:ASN:HD21	4	0.76	0.36	0.68
(1,1517)	1:72:A:LEU:HD23	1:75:A:ASN:HD21	4	0.76	0.36	0.68
(1,299)	1:35:A:VAL:HA	1:38:A:GLU:HG2	4	0.67	0.29	0.71
(1,95)	1:24:A:ILE:HB	1:41:A:SER:HB3	4	0.63	0.31	0.65
(1,49)	1:97:A:GLU:H	1:98:A:ASN:HB2	4	0.6	0.46	0.59
(1,1639)	1:19:A:TYR:HD1	1:45:A:VAL:HB	4	0.57	0.13	0.63
(1,1639)	1:19:A:TYR:HD2	1:45:A:VAL:HB	4	0.57	0.13	0.63
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD21	4	0.56	0.24	0.64
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD22	4	0.56	0.24	0.64
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD23	4	0.56	0.24	0.64
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD21	4	0.56	0.24	0.64
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD22	4	0.56	0.24	0.64
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD23	4	0.56	0.24	0.64
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD21	4	0.56	0.24	0.64
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD22	4	0.56	0.24	0.64
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD23	4	0.56	0.24	0.64
(1,868)	1:24:A:ILE:H	1:41:A:SER:HB3	4	0.55	0.4	0.4
(1,1591)	1:32:A:VAL:H	1:33:A:ASP:HB2	4	0.5	0.09	0.52
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD21	4	0.41	0.17	0.4
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD22	4	0.41	0.17	0.4
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD23	4	0.41	0.17	0.4
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD21	4	0.41	0.17	0.4
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD22	4	0.41	0.17	0.4
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD23	4	0.41	0.17	0.4
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD21	4	0.41	0.17	0.4
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD22	4	0.41	0.17	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD23	4	0.41	0.17	0.4
(1,204)	1:4:A:LYS:HB2	1:5:A:GLY:H	4	0.37	0.15	0.42
(1,350)	1:91:A:PHE:HE2	1:110:A:PRO:HG2	4	0.36	0.18	0.39
(1,114)	1:59:A:ALA:HB1	1:60:A:GLU:HG3	4	0.34	0.07	0.34
(1,114)	1:59:A:ALA:HB2	1:60:A:GLU:HG3	4	0.34	0.07	0.34
(1,114)	1:59:A:ALA:HB3	1:60:A:GLU:HG3	4	0.34	0.07	0.34
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG21	4	0.3	0.16	0.26
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG22	4	0.3	0.16	0.26
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG23	4	0.3	0.16	0.26
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG21	4	0.28	0.04	0.3
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG22	4	0.28	0.04	0.3
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG23	4	0.28	0.04	0.3
(1,1172)	1:107:A:PHE:H	1:107:A:PHE:HD2	4	0.25	0.1	0.22
(1,1076)	1:90:A:LEU:H	1:91:A:PHE:HD2	4	0.25	0.06	0.26
(1,375)	1:56:A:CYS:HB3	1:57:A:VAL:HB	4	0.21	0.04	0.23
(1,202)	1:4:A:LYS:HB3	1:5:A:GLY:H	4	0.16	0.06	0.13
(1,1359)	1:104:A:TYR:HB2	1:105:A:CYS:H	4	0.16	0.03	0.15
(1,643)	1:14:A:TRP:HA	1:15:A:GLU:HG2	4	0.16	0.03	0.16
(1,643)	1:14:A:TRP:HA	1:15:A:GLU:HG3	4	0.16	0.03	0.16
(1,354)	1:2:A:PRO:HA	1:3:A:ILE:HG12	4	0.15	0.03	0.15
(1,194)	1:11:A:ASP:HA	1:12:A:THR:HB	4	0.15	0.03	0.14
(1,218)	1:33:A:ASP:HB3	1:34:A:LYS:HB3	4	0.12	0.01	0.12
(1,223)	1:96:A:GLU:HB3	1:98:A:ASN:HB2	3	1.01	0.63	1.38
(1,610)	1:38:A:GLU:HG2	1:39:A:LYS:HA	3	0.93	0.03	0.92
(1,1417)	1:93:A:ASP:H	1:100:A:SER:HB3	3	0.91	0.24	1.07
(1,1782)	1:102:A:ARG:HE	1:104:A:TYR:HE1	3	0.79	0.22	0.93
(1,1782)	1:102:A:ARG:HE	1:104:A:TYR:HE2	3	0.79	0.22	0.93
(1,309)	1:35:A:VAL:HG21	1:39:A:LYS:HD2	3	0.68	0.49	0.46
(1,309)	1:35:A:VAL:HG21	1:39:A:LYS:HD3	3	0.68	0.49	0.46
(1,309)	1:35:A:VAL:HG22	1:39:A:LYS:HD2	3	0.68	0.49	0.46
(1,309)	1:35:A:VAL:HG22	1:39:A:LYS:HD3	3	0.68	0.49	0.46
(1,309)	1:35:A:VAL:HG23	1:39:A:LYS:HD2	3	0.68	0.49	0.46
(1,309)	1:35:A:VAL:HG23	1:39:A:LYS:HD3	3	0.68	0.49	0.46
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG11	3	0.63	0.21	0.49
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG12	3	0.63	0.21	0.49
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG13	3	0.63	0.21	0.49
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG11	3	0.63	0.21	0.49
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG12	3	0.63	0.21	0.49
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG13	3	0.63	0.21	0.49
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG11	3	0.63	0.21	0.49
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG12	3	0.63	0.21	0.49
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG13	3	0.63	0.21	0.49

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1684)	1:50:A:GLU:HA	1:99:A:PHE:HE1	3	0.57	0.45	0.29
(1,1684)	1:50:A:GLU:HA	1:99:A:PHE:HE2	3	0.57	0.45	0.29
(1,1785)	1:29:A:ASP:HB2	1:83:A:TRP:HZ2	3	0.54	0.04	0.56
(1,419)	1:67:A:GLN:HB3	1:68:A:PRO:HA	3	0.53	0.01	0.53
(1,1605)	1:102:A:ARG:HG3	1:104:A:TYR:HD1	3	0.48	0.27	0.46
(1,1605)	1:102:A:ARG:HG3	1:104:A:TYR:HD2	3	0.48	0.27	0.46
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD11	3	0.4	0.18	0.37
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD12	3	0.4	0.18	0.37
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD13	3	0.4	0.18	0.37
(1,716)	1:37:A:ASN:HA	1:38:A:GLU:HB2	3	0.36	0.07	0.4
(1,716)	1:37:A:ASN:HA	1:38:A:GLU:HB3	3	0.36	0.07	0.4
(1,46)	1:4:A:LYS:HE2	1:5:A:GLY:H	3	0.28	0.13	0.21
(1,46)	1:4:A:LYS:HE3	1:5:A:GLY:H	3	0.28	0.13	0.21
(1,1123)	1:100:A:SER:HB2	1:102:A:ARG:H	3	0.28	0.01	0.28
(1,42)	1:61:A:ALA:HA	1:64:A:LYS:HE2	3	0.26	0.13	0.26
(1,42)	1:61:A:ALA:HA	1:64:A:LYS:HE3	3	0.26	0.13	0.26
(1,80)	1:10:A:GLU:H	1:11:A:ASP:HB3	3	0.25	0.11	0.21
(1,683)	1:4:A:LYS:HA	1:5:A:GLY:H	3	0.24	0.06	0.25
(1,146)	1:96:A:GLU:HA	1:96:A:GLU:HG3	3	0.22	0.01	0.23
(1,1014)	1:6:A:VAL:HG11	1:8:A:PHE:H	3	0.22	0.04	0.25
(1,1014)	1:6:A:VAL:HG12	1:8:A:PHE:H	3	0.22	0.04	0.25
(1,1014)	1:6:A:VAL:HG13	1:8:A:PHE:H	3	0.22	0.04	0.25
(1,1014)	1:6:A:VAL:HG21	1:8:A:PHE:H	3	0.22	0.04	0.25
(1,1014)	1:6:A:VAL:HG22	1:8:A:PHE:H	3	0.22	0.04	0.25
(1,1014)	1:6:A:VAL:HG23	1:8:A:PHE:H	3	0.22	0.04	0.25
(1,1309)	1:73:A:LEU:H	1:73:A:LEU:HG	3	0.21	0.08	0.17
(1,1485)	1:12:A:THR:H	1:12:A:THR:HB	3	0.2	0.02	0.2
(1,295)	1:4:A:LYS:HA	1:4:A:LYS:HD2	3	0.2	0.09	0.17
(1,295)	1:4:A:LYS:HA	1:4:A:LYS:HD3	3	0.2	0.09	0.17
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD11	3	0.19	0.08	0.15
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD12	3	0.19	0.08	0.15
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD13	3	0.19	0.08	0.15
(1,99)	1:74:A:THR:HG21	1:75:A:ASN:HB2	3	0.18	0.04	0.2
(1,99)	1:74:A:THR:HG21	1:75:A:ASN:HB3	3	0.18	0.04	0.2
(1,99)	1:74:A:THR:HG22	1:75:A:ASN:HB2	3	0.18	0.04	0.2
(1,99)	1:74:A:THR:HG22	1:75:A:ASN:HB3	3	0.18	0.04	0.2
(1,99)	1:74:A:THR:HG23	1:75:A:ASN:HB2	3	0.18	0.04	0.2
(1,99)	1:74:A:THR:HG23	1:75:A:ASN:HB3	3	0.18	0.04	0.2
(1,1727)	1:62:A:VAL:HG11	1:83:A:TRP:HZ3	3	0.18	0.05	0.15
(1,1727)	1:62:A:VAL:HG12	1:83:A:TRP:HZ3	3	0.18	0.05	0.15
(1,1727)	1:62:A:VAL:HG13	1:83:A:TRP:HZ3	3	0.18	0.05	0.15
(1,1555)	1:84:A:SER:H	1:85:A:VAL:HA	3	0.16	0.0	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,38)	1:39:A:LYS:HA	1:39:A:LYS:HE2	3	0.16	0.01	0.16
(1,38)	1:39:A:LYS:HA	1:39:A:LYS:HE3	3	0.16	0.01	0.16
(1,291)	1:62:A:VAL:H	1:64:A:LYS:HD2	3	0.14	0.02	0.14
(1,291)	1:62:A:VAL:H	1:64:A:LYS:HD3	3	0.14	0.02	0.14
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB1	3	0.14	0.04	0.12
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB2	3	0.14	0.04	0.12
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB3	3	0.14	0.04	0.12
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB1	3	0.14	0.04	0.12
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB2	3	0.14	0.04	0.12
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB3	3	0.14	0.04	0.12
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB1	3	0.14	0.04	0.12
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB2	3	0.14	0.04	0.12
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB3	3	0.14	0.04	0.12
(1,1051)	1:57:A:VAL:HB	1:58:A:VAL:H	3	0.13	0.05	0.1
(1,242)	1:46:A:GLU:HB3	1:49:A:THR:H	2	1.26	0.01	1.26
(1,671)	1:22:A:VAL:HG11	1:45:A:VAL:HG21	2	0.9	0.12	0.9
(1,671)	1:22:A:VAL:HG11	1:45:A:VAL:HG22	2	0.9	0.12	0.9
(1,671)	1:22:A:VAL:HG11	1:45:A:VAL:HG23	2	0.9	0.12	0.9
(1,671)	1:22:A:VAL:HG12	1:45:A:VAL:HG21	2	0.9	0.12	0.9
(1,671)	1:22:A:VAL:HG12	1:45:A:VAL:HG22	2	0.9	0.12	0.9
(1,671)	1:22:A:VAL:HG12	1:45:A:VAL:HG23	2	0.9	0.12	0.9
(1,671)	1:22:A:VAL:HG13	1:45:A:VAL:HG21	2	0.9	0.12	0.9
(1,671)	1:22:A:VAL:HG13	1:45:A:VAL:HG22	2	0.9	0.12	0.9
(1,671)	1:22:A:VAL:HG13	1:45:A:VAL:HG23	2	0.9	0.12	0.9
(1,1689)	1:45:A:VAL:HG13	1:99:A:PHE:HD1	2	0.54	0.25	0.54
(1,1689)	1:45:A:VAL:HG11	1:99:A:PHE:HD2	2	0.54	0.25	0.54
(1,938)	1:97:A:GLU:H	1:98:A:ASN:HD22	2	0.48	0.2	0.48
(1,472)	1:4:A:LYS:HG3	1:5:A:GLY:H	2	0.42	0.23	0.42
(1,400)	1:102:A:ARG:H	1:102:A:ARG:HG3	2	0.34	0.0	0.34
(1,206)	1:87:A:THR:HB	1:89:A:TYR:HD1	2	0.29	0.06	0.29
(1,206)	1:87:A:THR:HB	1:89:A:TYR:HD2	2	0.29	0.06	0.29
(1,828)	1:91:A:PHE:HE2	1:110:A:PRO:HD2	2	0.26	0.08	0.26
(1,61)	1:20:A:LYS:HE2	1:99:A:PHE:HE1	2	0.25	0.07	0.25
(1,130)	1:8:A:PHE:HA	1:10:A:GLU:HG2	2	0.24	0.04	0.24
(1,130)	1:8:A:PHE:HA	1:10:A:GLU:HG3	2	0.24	0.04	0.24
(1,255)	1:62:A:VAL:HA	1:66:A:LEU:HD11	2	0.24	0.04	0.24
(1,255)	1:62:A:VAL:HA	1:66:A:LEU:HD12	2	0.24	0.04	0.24
(1,255)	1:62:A:VAL:HA	1:66:A:LEU:HD13	2	0.24	0.04	0.24
(1,1754)	1:108:A:TYR:H	1:108:A:TYR:HE1	2	0.24	0.11	0.24
(1,1754)	1:108:A:TYR:H	1:108:A:TYR:HE2	2	0.24	0.11	0.24
(1,6)	1:8:A:PHE:HA	1:9:A:GLY:HA3	2	0.22	0.01	0.22
(1,1681)	1:51:A:VAL:HB	1:99:A:PHE:HD1	2	0.2	0.07	0.2

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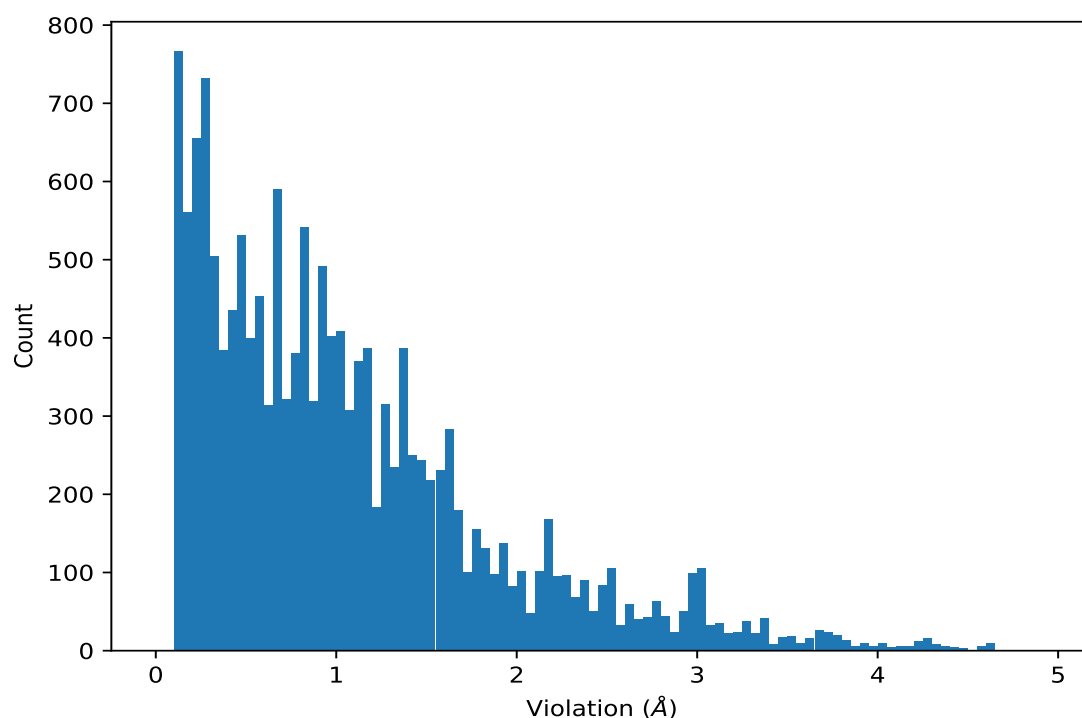
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1541)	1:67:A:GLN:HE22	1:80:A:LEU:HD11	2	0.19	0.0	0.19
(1,1541)	1:67:A:GLN:HE22	1:80:A:LEU:HD12	2	0.19	0.0	0.19
(1,1541)	1:67:A:GLN:HE22	1:80:A:LEU:HD13	2	0.19	0.0	0.19
(1,329)	1:23:A:ARG:HG2	1:41:A:SER:HB2	2	0.18	0.03	0.18
(1,1293)	1:6:A:VAL:H	1:6:A:VAL:HB	2	0.17	0.01	0.17
(1,34)	1:34:A:LYS:HG2	1:34:A:LYS:HE2	2	0.16	0.01	0.16
(1,34)	1:34:A:LYS:HG2	1:34:A:LYS:HE3	2	0.16	0.01	0.16
(1,721)	1:94:A:ALA:HB1	1:98:A:ASN:HD22	2	0.16	0.04	0.16
(1,721)	1:94:A:ALA:HB2	1:98:A:ASN:HD22	2	0.16	0.04	0.16
(1,721)	1:94:A:ALA:HB3	1:98:A:ASN:HD22	2	0.16	0.04	0.16
(1,425)	1:35:A:VAL:HG21	1:39:A:LYS:HG2	2	0.16	0.04	0.16
(1,425)	1:35:A:VAL:HG21	1:39:A:LYS:HG3	2	0.16	0.04	0.16
(1,425)	1:35:A:VAL:HG22	1:39:A:LYS:HG2	2	0.16	0.04	0.16
(1,425)	1:35:A:VAL:HG22	1:39:A:LYS:HG3	2	0.16	0.04	0.16
(1,425)	1:35:A:VAL:HG23	1:39:A:LYS:HG2	2	0.16	0.04	0.16
(1,425)	1:35:A:VAL:HG23	1:39:A:LYS:HG3	2	0.16	0.04	0.16
(1,390)	1:102:A:ARG:H	1:102:A:ARG:HG2	2	0.14	0.01	0.14
(1,368)	1:55:A:ALA:HA	1:90:A:LEU:HD11	2	0.12	0.02	0.12
(1,368)	1:55:A:ALA:HA	1:90:A:LEU:HD12	2	0.12	0.02	0.12
(1,368)	1:55:A:ALA:HA	1:90:A:LEU:HD13	2	0.12	0.02	0.12
(1,272)	1:91:A:PHE:HD1	1:106:A:SER:HB2	2	0.12	0.01	0.12
(1,894)	1:82:A:GLU:HB2	1:86:A:ALA:H	2	0.12	0.0	0.12
(1,894)	1:82:A:GLU:HB3	1:86:A:ALA:H	2	0.12	0.0	0.12
(1,491)	1:72:A:LEU:HA	1:72:A:LEU:HD21	2	0.11	0.0	0.11
(1,491)	1:72:A:LEU:HA	1:72:A:LEU:HD22	2	0.11	0.0	0.11
(1,491)	1:72:A:LEU:HA	1:72:A:LEU:HD23	2	0.11	0.0	0.11
(1,1549)	1:5:A:GLY:H	1:6:A:VAL:H	2	0.11	0.0	0.11
(1,388)	1:78:A:ILE:HG21	1:80:A:LEU:HG	2	0.11	0.0	0.11
(1,388)	1:78:A:ILE:HG22	1:80:A:LEU:HG	2	0.11	0.0	0.11
(1,388)	1:78:A:ILE:HG23	1:80:A:LEU:HG	2	0.11	0.0	0.11
(1,1720)	1:82:A:GLU:HA	1:83:A:TRP:HD1	2	0.1	0.0	0.1

¹Number of violated models, ²Standard 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)
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	4	4.95
(1,1695)	1:86:A:ALA:HB3	1:107:A:PHE:HD1	13	4.8
(1,1695)	1:86:A:ALA:HB3	1:107:A:PHE:HD1	4	4.73
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	2	4.63
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	2	4.63
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	2	4.63
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	5	4.62
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	5	4.62
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	5	4.62
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	5	4.62
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	5	4.62
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	5	4.62
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	14	4.55
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	14	4.55
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	14	4.55
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	14	4.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	14	4.55
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	14	4.55
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	13	4.47
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	13	4.47
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	13	4.47
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	10	4.44
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	10	4.44
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	10	4.44
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	6	4.4
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	14	4.4
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	12	4.39
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	12	4.39
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	12	4.39
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	12	4.39
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	12	4.39
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	12	4.39
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	13	4.32
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	2	4.31
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	2	4.3
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	2	4.3
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	2	4.3
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	2	4.3
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	2	4.3
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	2	4.3
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	3	4.29
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	3	4.29
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	3	4.29
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	3	4.29
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	3	4.29
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	3	4.29
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD2	19	4.29
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	17	4.26
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	17	4.26
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	17	4.26
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	17	4.26
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	17	4.26
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	17	4.26
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	4	4.25
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	4	4.25
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	4	4.25
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	1	4.22
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	1	4.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	1	4.22
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	8	4.21
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	8	4.21
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	8	4.21
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	8	4.21
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	8	4.21
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	8	4.21
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	9	4.2
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	9	4.2
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	9	4.2
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	3	4.17
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	3	4.17
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	3	4.17
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	10	4.16
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	10	4.16
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	10	4.16
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	12	4.13
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	12	4.13
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	12	4.13
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	14	4.13
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	14	4.13
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	14	4.13
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	9	4.09
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	16	4.08
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	16	4.08
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	16	4.08
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	19	4.05
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	17	4.02
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	17	4.02
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	17	4.02
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	4	4.02
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	4	4.02
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	4	4.02
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	4	4.02
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	4	4.02
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	4	4.02
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	15	3.98
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	15	3.98
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	15	3.98
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	2	3.97
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	11	3.96
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	16	3.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	13	3.93
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	13	3.93
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	13	3.93
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	13	3.93
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	13	3.93
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	13	3.93
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	18	3.93
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	18	3.93
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	18	3.93
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	3	3.92
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	20	3.88
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	20	3.88
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	20	3.88
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	3	3.86
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	3	3.86
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	3	3.86
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	16	3.84
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	16	3.84
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	16	3.84
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	16	3.84
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	16	3.84
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	16	3.84
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	8	3.84
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	8	3.84
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	8	3.84
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	1	3.82
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	17	3.82
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	17	3.82
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	17	3.82
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	11	3.79
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	11	3.79
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	16	3.78
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	16	3.78
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	16	3.78
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	18	3.77
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	7	3.77
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	7	3.77
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	7	3.77
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	7	3.77
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	7	3.77
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	7	3.77
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	7	3.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	7	3.77
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	7	3.77
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	13	3.76
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	13	3.76
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	4	3.75
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	4	3.75
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	14	3.75
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	1	3.74
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	1	3.74
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	1	3.74
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	7	3.73
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	7	3.73
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	17	3.73
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	17	3.73
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	17	3.73
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	12	3.72
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	12	3.72
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	15	3.72
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	6	3.72
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	6	3.72
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	6	3.72
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	5	3.71
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	5	3.71
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	14	3.71
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	14	3.71
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	19	3.71
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	19	3.71
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	8	3.7
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	13	3.7
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	13	3.7
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	13	3.7
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	12	3.68
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	12	3.68
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	12	3.68
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	17	3.68
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	17	3.68
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	17	3.68
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	17	3.67
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	17	3.67
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	17	3.67
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	9	3.67
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	9	3.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	9	3.67
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	8	3.67
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	8	3.67
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	8	3.67
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	12	3.67
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	12	3.67
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	12	3.67
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	12	3.67
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	12	3.67
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	12	3.67
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	12	3.67
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	12	3.67
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	12	3.67
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	17	3.66
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	17	3.66
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	8	3.65
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	8	3.65
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	20	3.65
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	20	3.65
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	20	3.65
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	2	3.64
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	2	3.64
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	9	3.64
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	9	3.64
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	16	3.64
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	16	3.64
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	3	3.63
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	3	3.63
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	5	3.62
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	5	3.62
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	5	3.62
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	7	3.58
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	7	3.58
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	7	3.58
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	9	3.58
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	9	3.58
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	9	3.58
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	9	3.58
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	9	3.58
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	9	3.58
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	14	3.57
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	15	3.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	15	3.54
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	15	3.54
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	11	3.54
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	11	3.54
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	11	3.54
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	11	3.54
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	11	3.54
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	11	3.54
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	20	3.53
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	12	3.53
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	7	3.51
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	7	3.51
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	10	3.51
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	10	3.51
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	13	3.5
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	13	3.5
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD2	6	3.5
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	10	3.49
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	18	3.48
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	18	3.48
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	18	3.48
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	18	3.48
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	18	3.48
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	18	3.48
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	7	3.48
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	7	3.48
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	7	3.48
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	7	3.47
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	10	3.46
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	10	3.46
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	10	3.46
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	10	3.45
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	13	3.45
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	1	3.45
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	6	3.43
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	6	3.43
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	19	3.42
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	19	3.42
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	19	3.42
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	19	3.42
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	19	3.42
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	19	3.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	1	3.4
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	1	3.4
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	1	3.4
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	1	3.4
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	1	3.4
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	1	3.4
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	15	3.4
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	15	3.39
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	15	3.39
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	20	3.38
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	20	3.38
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	20	3.38
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	20	3.38
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	20	3.38
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	20	3.38
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	9	3.38
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	9	3.38
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	9	3.38
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	18	3.37
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	18	3.37
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	18	3.37
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	6	3.37
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	6	3.37
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	6	3.37
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	6	3.37
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	6	3.37
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	6	3.37
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	8	3.37
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	16	3.36
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	10	3.36
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	10	3.36
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	10	3.36
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	10	3.36
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	10	3.36
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	10	3.36
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	4	3.35
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	9	3.35
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	20	3.35
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	2	3.35
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	2	3.35
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	2	3.35
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	5	3.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	12	3.34
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	12	3.34
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	12	3.34
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	12	3.34
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	4	3.33
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	4	3.33
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	4	3.33
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE1	15	3.33
(1,633)	1:16:A:VAL:HG11	1:19:A:TYR:HE2	15	3.33
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE1	15	3.33
(1,633)	1:16:A:VAL:HG12	1:19:A:TYR:HE2	15	3.33
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE1	15	3.33
(1,633)	1:16:A:VAL:HG13	1:19:A:TYR:HE2	15	3.33
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	5	3.33
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	17	3.32
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	12	3.31
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	12	3.31
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	12	3.31
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	6	3.31
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	6	3.31
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	6	3.31
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	3	3.3
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	5	3.3
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	5	3.3
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	5	3.3
(1,1695)	1:86:A:ALA:HB3	1:107:A:PHE:HD1	14	3.29
(1,1534)	1:21:A:ASN:HD22	1:42:A:VAL:HA	12	3.29
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	17	3.29
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	17	3.29
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	17	3.29
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	17	3.29
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	17	3.29
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	17	3.29
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	2	3.29
(1,1695)	1:86:A:ALA:HB3	1:107:A:PHE:HD1	15	3.27
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	1	3.27
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	1	3.27
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	1	3.27
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	8	3.27
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	8	3.27
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	8	3.27
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	18	3.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	18	3.26
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	15	3.26
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	15	3.26
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	15	3.26
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	3	3.26
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	6	3.26
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	16	3.25
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	19	3.25
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	19	3.25
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	19	3.25
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	19	3.25
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	19	3.25
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	19	3.25
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	19	3.25
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	19	3.25
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	19	3.25
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	20	3.25
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	12	3.24
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	12	3.24
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	12	3.24
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	9	3.24
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	12	3.24
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	10	3.23
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	10	3.23
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	10	3.23
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	16	3.23
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	16	3.23
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	16	3.23
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	17	3.23
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	17	3.23
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	17	3.23
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	16	3.23
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	20	3.22
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	20	3.22
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	20	3.22
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	13	3.21
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	11	3.2
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	11	3.2
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	17	3.2
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	17	3.2
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	17	3.2
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	6	3.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	1	3.18
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	1	3.18
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	10	3.18
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	10	3.18
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	20	3.18
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	20	3.18
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	20	3.18
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	19	3.18
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	19	3.18
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	19	3.18
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	19	3.18
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	19	3.18
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	19	3.18
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD1	20	3.17
(1,1636)	1:16:A:VAL:HA	1:19:A:TYR:HD2	20	3.17
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	3	3.17
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	3	3.17
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	3	3.17
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	2	3.16
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	3	3.16
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	17	3.16
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	9	3.16
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	7	3.15
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	11	3.15
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	11	3.15
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	11	3.15
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	12	3.14
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	3	3.13
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	3	3.13
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	3	3.13
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	3	3.13
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	5	3.12
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	5	3.12
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	5	3.12
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	5	3.12
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	5	3.12
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	5	3.12
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	12	3.12
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	12	3.12
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	12	3.12
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	2	3.12
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	8	3.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	8	3.12
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	8	3.12
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	1	3.11
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	1	3.11
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	1	3.11
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	6	3.11
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	6	3.11
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	6	3.11
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	4	3.1
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	4	3.1
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	4	3.1
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	4	3.1
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	4	3.1
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	4	3.1
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	20	3.1
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	17	3.09
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	14	3.09
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	14	3.09
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	1	3.09
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	1	3.09
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	1	3.09
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	14	3.09
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	14	3.09
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	14	3.09
(1,1695)	1:86:A:ALA:HB1	1:107:A:PHE:HD1	17	3.08
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	19	3.08
(1,1695)	1:86:A:ALA:HB3	1:107:A:PHE:HD1	1	3.07
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	19	3.07
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	16	3.07
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	16	3.07
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	16	3.07
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	16	3.07
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	16	3.07
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	16	3.07
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	16	3.07
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	17	3.07
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	5	3.06
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	5	3.06
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	5	3.06
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	5	3.06
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	5	3.06
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	5	3.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	5	3.06
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	5	3.06
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	5	3.06
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	15	3.06
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	15	3.06
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	15	3.06
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	20	3.05
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	20	3.05
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	20	3.05
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	9	3.05
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	9	3.05
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	9	3.05
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	11	3.04
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	12	3.03
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	12	3.03
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	12	3.03
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	12	3.03
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	12	3.03
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	12	3.03
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	12	3.03
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	12	3.03
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	12	3.03
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	19	3.03
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	19	3.03
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	16	3.03
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	19	3.03
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	19	3.03
(1,1695)	1:86:A:ALA:HB3	1:107:A:PHE:HD2	19	3.02
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	14	3.02
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	14	3.02
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	14	3.02
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	3	3.02
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	3	3.02
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	3	3.02
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	7	3.02
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	7	3.02
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	7	3.02
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	7	3.02
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	7	3.02
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	7	3.02
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	7	3.02
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	7	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	7	3.02
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	17	3.02
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	17	3.02
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	17	3.02
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	17	3.02
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	17	3.02
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	17	3.02
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	17	3.02
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	17	3.02
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	17	3.02
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	18	3.02
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	18	3.02
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	18	3.02
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	18	3.02
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	18	3.02
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	18	3.02
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	18	3.02
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	18	3.02
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	18	3.02
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	11	3.02
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	11	3.02
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	11	3.02
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	6	3.01
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	6	3.01
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	6	3.01
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	6	3.01
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	3	3.01
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	3	3.01
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	3	3.01
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	3	3.01
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	3	3.01
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	3	3.01
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	3	3.01
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	3	3.01
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	3	3.01
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	4	3.01
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	4	3.01
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	4	3.01
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	13	3.01
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	3	3.0
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	8	3.0
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	8	3.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	8	3.0
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	8	3.0
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	8	3.0
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	8	3.0
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	8	3.0
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	8	3.0
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	8	3.0
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	9	3.0
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	9	3.0
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	9	3.0
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	9	3.0
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	9	3.0
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	9	3.0
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	9	3.0
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	9	3.0
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	9	3.0
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	15	3.0
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	15	3.0
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	15	3.0
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	15	3.0
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	15	3.0
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	15	3.0
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	15	3.0
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	15	3.0
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	15	3.0
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	16	3.0
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	16	3.0
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	16	3.0
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	5	2.99
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	2	2.99
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	2	2.99
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	2	2.99
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	7	2.99
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	7	2.99
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	7	2.99
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	2	2.99
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	2	2.99
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	2	2.99
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	2	2.99
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	2	2.99
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	2	2.99
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	2	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	2	2.99
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	2	2.99
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	16	2.99
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	16	2.99
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	16	2.99
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	16	2.99
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	16	2.99
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	16	2.99
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	16	2.99
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	16	2.99
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	16	2.99
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	7	2.99
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	16	2.99
(1,1695)	1:86:A:ALA:HB2	1:107:A:PHE:HD2	6	2.98
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	3	2.98
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	3	2.98
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	3	2.98
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	6	2.98
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	6	2.98
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	6	2.98
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	9	2.98
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	14	2.98
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	14	2.98
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	14	2.98
(1,1695)	1:86:A:ALA:HB1	1:107:A:PHE:HD1	9	2.97
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	7	2.97
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	7	2.97
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	7	2.97
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	7	2.97
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	7	2.97
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	7	2.97
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	2	2.97
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	2	2.97
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	2	2.97
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	2	2.97
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	2	2.97
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	2	2.97
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	3	2.97
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	3	2.97
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	3	2.97
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	3	2.97
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	3	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	3	2.97
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	8	2.97
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	8	2.97
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	8	2.97
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	6	2.97
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	6	2.97
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	6	2.97
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	6	2.97
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	6	2.97
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	6	2.97
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	6	2.97
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	6	2.97
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	6	2.97
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	13	2.97
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	13	2.97
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	13	2.97
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	13	2.97
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	13	2.97
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	13	2.97
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	13	2.97
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	13	2.97
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	13	2.97
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	6	2.97
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	15	2.96
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	20	2.96
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	20	2.96
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	20	2.96
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	20	2.96
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	20	2.96
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	20	2.96
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	20	2.96
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	20	2.96
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	20	2.96
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	18	2.96
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	18	2.96
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	18	2.96
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	18	2.96
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	18	2.96
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	18	2.96
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	18	2.96
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	18	2.96
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	18	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	11	2.95
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	15	2.94
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	15	2.94
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	14	2.94
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	14	2.94
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	14	2.94
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	14	2.94
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	14	2.94
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	14	2.94
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	14	2.94
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	14	2.94
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	14	2.94
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	17	2.94
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	17	2.94
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	17	2.94
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	5	2.93
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	11	2.93
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	11	2.93
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	11	2.93
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	13	2.93
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	13	2.93
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	13	2.93
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	1	2.93
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	4	2.93
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	10	2.93
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	18	2.93
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	18	2.93
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	18	2.93
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	18	2.92
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	12	2.92
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	12	2.92
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	12	2.92
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	12	2.92
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	12	2.92
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	12	2.92
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	12	2.92
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	14	2.91
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	14	2.91
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	14	2.91
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	8	2.91
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	8	2.91
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	8	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	8	2.91
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	8	2.91
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	8	2.91
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	8	2.91
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	8	2.91
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	8	2.91
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	1	2.91
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	1	2.91
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	1	2.91
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	1	2.91
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	16	2.89
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	19	2.88
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	14	2.88
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	14	2.88
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	14	2.88
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	20	2.87
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	5	2.87
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	17	2.86
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	8	2.86
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	8	2.86
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	8	2.86
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	8	2.86
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	8	2.86
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	8	2.86
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	4	2.86
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	6	2.86
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	6	2.86
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	6	2.86
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	10	2.86
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	10	2.86
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	10	2.86
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	9	2.86
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	7	2.86
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	7	2.86
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	16	2.84
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	4	2.84
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	4	2.84
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	4	2.84
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	4	2.84
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	4	2.84
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	4	2.84
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	4	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	4	2.84
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	4	2.84
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	13	2.84
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	13	2.84
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	13	2.84
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	13	2.84
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	13	2.84
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	13	2.84
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	13	2.84
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	13	2.84
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	13	2.84
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	20	2.84
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	4	2.84
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	4	2.84
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	4	2.84
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	19	2.83
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	17	2.83
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	17	2.83
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	17	2.83
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	8	2.83
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	13	2.82
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	5	2.82
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	5	2.82
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	5	2.82
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	1	2.82
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	1	2.82
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	1	2.82
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	1	2.82
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	1	2.82
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	1	2.82
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	1	2.82
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	1	2.82
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	1	2.82
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	6	2.82
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	6	2.82
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	6	2.82
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	7	2.8
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	8	2.8
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	11	2.8
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	11	2.8
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	11	2.8
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	11	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	11	2.8
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	11	2.8
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	11	2.8
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	11	2.8
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	11	2.8
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	5	2.8
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	1	2.79
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	1	2.79
(1,1695)	1:86:A:ALA:HB1	1:107:A:PHE:HD1	3	2.79
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	7	2.79
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	7	2.79
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	7	2.79
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	7	2.79
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	7	2.79
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	7	2.79
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	9	2.79
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	9	2.79
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	9	2.79
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	10	2.79
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	10	2.79
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	10	2.79
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	17	2.79
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	17	2.79
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	17	2.79
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	17	2.79
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	17	2.79
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	17	2.79
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	17	2.79
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	19	2.79
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	19	2.79
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	19	2.79
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	8	2.78
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	8	2.78
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	8	2.78
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	12	2.77
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	12	2.77
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	12	2.77
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	12	2.77
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	12	2.77
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	12	2.77
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	12	2.77
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	12	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	12	2.77
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	7	2.77
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	7	2.77
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	7	2.77
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	17	2.76
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	2	2.76
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	2	2.76
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	17	2.76
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	17	2.76
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	2	2.75
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	14	2.75
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	14	2.75
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	14	2.75
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	7	2.75
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	7	2.75
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	16	2.74
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	16	2.74
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	5	2.74
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	5	2.74
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	5	2.74
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	17	2.74
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	17	2.74
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	20	2.73
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	20	2.73
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	20	2.73
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	10	2.73
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	16	2.73
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	16	2.73
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	16	2.73
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	15	2.73
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	13	2.73
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	13	2.73
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	13	2.73
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	7	2.72
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	1	2.72
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	1	2.72
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	1	2.72
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	7	2.72
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	13	2.72
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	13	2.72
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	13	2.72
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	17	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	17	2.71
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	10	2.71
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	10	2.71
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	10	2.71
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	13	2.71
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	13	2.71
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	13	2.71
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	18	2.71
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	18	2.71
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	18	2.71
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	13	2.71
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	13	2.71
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	13	2.71
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	5	2.7
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	13	2.7
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	14	2.7
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	1	2.69
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	1	2.69
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	16	2.69
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	3	2.69
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	3	2.69
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	3	2.69
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	3	2.69
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	4	2.69
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	4	2.69
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	4	2.69
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	12	2.68
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	12	2.68
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	13	2.68
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	13	2.68
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	4	2.68
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	4	2.68
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	4	2.68
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	6	2.68
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	5	2.67
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	5	2.67
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	5	2.67
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	5	2.67
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	5	2.67
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	5	2.67
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	11	2.67
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	11	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	11	2.67
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	14	2.67
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	14	2.67
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	14	2.67
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	14	2.67
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	14	2.67
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	14	2.67
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	14	2.67
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	14	2.67
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	14	2.67
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	8	2.67
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	20	2.67
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	20	2.67
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	20	2.66
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	8	2.65
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	8	2.65
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	13	2.65
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	13	2.65
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	13	2.65
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	4	2.65
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	2	2.65
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	15	2.64
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	2	2.63
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	2	2.63
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	2	2.63
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	12	2.63
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	12	2.63
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	12	2.63
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	17	2.63
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	17	2.63
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	17	2.63
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	9	2.63
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	9	2.63
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	9	2.63
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	12	2.63
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	12	2.63
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	12	2.63
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	4	2.62
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	4	2.62
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	4	2.62
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	5	2.62
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	5	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	18	2.62
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	18	2.62
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	17	2.62
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	17	2.62
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	17	2.62
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	2	2.62
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	9	2.62
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	8	2.62
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	8	2.62
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	8	2.62
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	8	2.62
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	8	2.62
(1,1695)	1:86:A:ALA:HB1	1:107:A:PHE:HD1	16	2.61
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	6	2.61
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	15	2.61
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	15	2.61
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	15	2.61
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	2	2.61
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	15	2.61
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	8	2.6
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	13	2.6
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	13	2.6
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	13	2.6
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	18	2.6
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	18	2.6
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	6	2.6
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	6	2.6
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	7	2.6
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	20	2.6
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	20	2.6
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	20	2.6
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	5	2.6
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	17	2.59
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	10	2.58
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	7	2.58
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	7	2.58
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	7	2.58
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	16	2.58
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	16	2.58
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	18	2.58
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	19	2.58
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	19	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	19	2.58
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	1	2.57
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	1	2.57
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	1	2.57
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	9	2.56
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	9	2.56
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	4	2.56
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	4	2.56
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	4	2.56
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	16	2.56
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	16	2.56
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	16	2.56
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	16	2.56
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	16	2.56
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	16	2.56
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	16	2.56
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	16	2.56
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	16	2.56
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	11	2.56
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	11	2.56
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	7	2.56
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	7	2.56
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	7	2.56
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	14	2.55
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	14	2.55
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	14	2.55
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	7	2.55
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	7	2.55
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	7	2.55
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	7	2.55
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	7	2.55
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	7	2.55
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	7	2.55
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	7	2.55
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	7	2.55
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	15	2.55
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	15	2.55
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	15	2.55
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	18	2.55
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	18	2.55
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	18	2.55
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	20	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	20	2.54
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	20	2.54
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	20	2.54
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	20	2.54
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	20	2.54
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	14	2.54
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	12	2.54
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	12	2.54
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	19	2.54
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	19	2.54
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	10	2.53
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	10	2.53
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	10	2.53
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	10	2.53
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	10	2.53
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	10	2.53
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	1	2.53
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	1	2.53
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	1	2.53
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	20	2.53
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	20	2.53
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	20	2.53
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	1	2.53
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	1	2.53
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	1	2.53
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	1	2.53
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	1	2.53
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	1	2.53
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	1	2.53
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	1	2.53
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	1	2.53
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	4	2.53
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	4	2.53
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	6	2.53
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	6	2.53
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	9	2.53
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	9	2.53
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	13	2.53
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	13	2.53
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	17	2.53
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	17	2.53
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	19	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	19	2.53
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	12	2.52
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	12	2.52
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	17	2.52
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	17	2.52
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	17	2.52
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	17	2.52
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	17	2.52
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	17	2.52
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	10	2.52
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HE2	18	2.52
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	14	2.52
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	14	2.52
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	14	2.51
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	14	2.51
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	2	2.51
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	2	2.51
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	2	2.51
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	4	2.51
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	4	2.51
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	4	2.51
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	1	2.51
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	1	2.51
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	1	2.51
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	7	2.51
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	7	2.51
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	12	2.5
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	18	2.5
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	13	2.5
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	13	2.5
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	13	2.5
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	13	2.5
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	13	2.5
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	13	2.5
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	18	2.5
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	18	2.5
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	18	2.5
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	20	2.5
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	20	2.5
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	20	2.5
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	20	2.5
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	20	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	20	2.5
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	17	2.5
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	19	2.49
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	19	2.49
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	19	2.49
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	17	2.49
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	17	2.49
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	17	2.49
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	11	2.49
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	11	2.49
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	11	2.49
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	18	2.49
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	18	2.49
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	18	2.49
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	20	2.49
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	9	2.49
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	9	2.49
(1,1695)	1:86:A:ALA:HB2	1:107:A:PHE:HD1	20	2.48
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	5	2.48
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	2	2.48
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	2	2.48
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	2	2.48
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	2	2.48
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	2	2.48
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	2	2.48
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	2	2.48
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	2	2.48
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	2	2.48
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	19	2.48
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	2	2.48
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	2	2.48
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	2	2.48
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	11	2.47
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	15	2.47
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	15	2.47
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	15	2.47
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	15	2.47
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	15	2.47
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	15	2.47
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	11	2.47
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	3	2.47
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	3	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	3	2.47
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	3	2.47
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	3	2.47
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	3	2.47
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	3	2.47
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	3	2.47
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	3	2.47
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	4	2.47
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	4	2.47
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	4	2.47
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	4	2.47
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	4	2.47
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	4	2.47
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	4	2.47
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	4	2.47
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	4	2.47
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	6	2.47
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	6	2.47
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	6	2.47
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	19	2.46
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	19	2.46
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	7	2.46
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	9	2.46
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	9	2.46
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	9	2.46
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	9	2.46
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	9	2.46
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	9	2.46
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	9	2.46
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	9	2.46
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	9	2.46
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG11	14	2.46
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG12	14	2.46
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG13	14	2.46
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	17	2.45
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	17	2.45
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	2	2.45
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	12	2.45
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	12	2.45
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	12	2.45
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HD1	11	2.45
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	5	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	5	2.45
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	5	2.45
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	1	2.44
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	1	2.44
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	11	2.44
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	11	2.44
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	11	2.44
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	11	2.44
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	11	2.44
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	11	2.44
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	14	2.44
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	14	2.44
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	14	2.44
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	14	2.44
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	14	2.44
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	14	2.44
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	5	2.44
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	5	2.44
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	5	2.44
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	20	2.44
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	20	2.44
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	20	2.44
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	20	2.44
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	20	2.44
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	20	2.44
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	20	2.44
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	20	2.44
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	20	2.44
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	15	2.44
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	11	2.44
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	11	2.44
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	11	2.44
(1,983)	1:62:A:VAL:H	1:65:A:THR:HB	5	2.43
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	3	2.43
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	19	2.43
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	19	2.43
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	17	2.43
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	17	2.43
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	3	2.42
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	3	2.42
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	3	2.42
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	11	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	3	2.42
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	3	2.42
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	4	2.42
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	4	2.42
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	11	2.41
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	11	2.41
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	4	2.41
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	4	2.41
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	13	2.41
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	13	2.41
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	4	2.4
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	4	2.4
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	2	2.4
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	2	2.4
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	5	2.4
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	5	2.4
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	5	2.4
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	12	2.4
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	12	2.4
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	12	2.4
(1,624)	1:42:A:VAL:HG21	1:44:A:THR:H	8	2.4
(1,624)	1:42:A:VAL:HG22	1:44:A:THR:H	8	2.4
(1,624)	1:42:A:VAL:HG23	1:44:A:THR:H	8	2.4
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	11	2.4
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	13	2.39
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	13	2.39
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	13	2.39
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	13	2.39
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	13	2.39
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	10	2.39
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	10	2.39
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	10	2.39
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	14	2.39
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	14	2.39
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	14	2.39
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	20	2.39
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	20	2.39
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	20	2.39
(1,624)	1:42:A:VAL:HG21	1:44:A:THR:H	3	2.39
(1,624)	1:42:A:VAL:HG22	1:44:A:THR:H	3	2.39
(1,624)	1:42:A:VAL:HG23	1:44:A:THR:H	3	2.39
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	1	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	12	2.39
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	12	2.39
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	12	2.39
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	20	2.39
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	20	2.39
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	20	2.39
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	2	2.39
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	2	2.39
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	12	2.39
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	12	2.39
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	10	2.38
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	10	2.38
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	6	2.38
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	19	2.38
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	19	2.38
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	19	2.38
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	16	2.38
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	16	2.38
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	16	2.38
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	20	2.38
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	18	2.38
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	9	2.38
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	9	2.38
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	9	2.38
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	16	2.37
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	16	2.37
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	16	2.37
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	6	2.37
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	6	2.37
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	6	2.37
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	19	2.37
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	19	2.37
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	19	2.37
(1,624)	1:42:A:VAL:HG21	1:44:A:THR:H	20	2.37
(1,624)	1:42:A:VAL:HG22	1:44:A:THR:H	20	2.37
(1,624)	1:42:A:VAL:HG23	1:44:A:THR:H	20	2.37
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	19	2.37
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	6	2.37
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	6	2.37
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	6	2.37
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	19	2.37
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	7	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	7	2.36
(1,624)	1:42:A:VAL:HG21	1:44:A:THR:H	12	2.36
(1,624)	1:42:A:VAL:HG22	1:44:A:THR:H	12	2.36
(1,624)	1:42:A:VAL:HG23	1:44:A:THR:H	12	2.36
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	2	2.36
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	2	2.36
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	2	2.36
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	15	2.35
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	18	2.35
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	16	2.35
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	4	2.35
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	4	2.35
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	16	2.35
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	16	2.35
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	4	2.35
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	4	2.35
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	20	2.34
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	20	2.34
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	20	2.34
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	2	2.34
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	2	2.34
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	2	2.34
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	14	2.34
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	14	2.34
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	14	2.34
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	11	2.34
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	11	2.34
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	11	2.34
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	6	2.34
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	6	2.34
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	8	2.34
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	10	2.34
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	10	2.34
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	10	2.34
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	9	2.33
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	9	2.33
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	9	2.33
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	9	2.33
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	9	2.33
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	13	2.33
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	13	2.33
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	13	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	13	2.33
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	13	2.33
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	13	2.33
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	12	2.33
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	12	2.33
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	12	2.33
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	15	2.33
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	15	2.33
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	15	2.33
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	4	2.33
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	5	2.33
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	5	2.33
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	12	2.33
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	1	2.32
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	1	2.32
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	1	2.32
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	1	2.32
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	1	2.32
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	1	2.32
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	10	2.32
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	10	2.32
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	10	2.32
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	5	2.32
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	5	2.32
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	5	2.32
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	4	2.32
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	4	2.32
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	16	2.32
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	16	2.32
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	16	2.32
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	16	2.32
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	3	2.31
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	3	2.31
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	1	2.31
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	1	2.31
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	1	2.31
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	1	2.31
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	1	2.31
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	1	2.31
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	16	2.31
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	16	2.31
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	16	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	1	2.3
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	10	2.3
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	10	2.3
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	10	2.3
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	10	2.3
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	10	2.3
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	10	2.3
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	12	2.3
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	8	2.3
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	8	2.3
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	8	2.3
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	8	2.3
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	8	2.3
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	8	2.3
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	1	2.3
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	9	2.3
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	7	2.3
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	18	2.3
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	19	2.3
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	19	2.3
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG21	16	2.3
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG22	16	2.3
(1,78)	1:11:A:ASP:HB2	1:13:A:VAL:HG23	16	2.3
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	16	2.29
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	16	2.29
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	8	2.29
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	8	2.29
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	8	2.29
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	11	2.29
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	11	2.29
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	11	2.29
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	17	2.29
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	17	2.29
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	17	2.29
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	3	2.29
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	3	2.29
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	3	2.29
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	12	2.29
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	12	2.29
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	12	2.29
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	2	2.29
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	2	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	15	2.29
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	15	2.29
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	15	2.29
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	7	2.28
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	7	2.28
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	7	2.28
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	6	2.28
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	6	2.28
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	6	2.28
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	15	2.28
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	15	2.28
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	2	2.27
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	2	2.27
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	2	2.27
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	2	2.27
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	2	2.27
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	2	2.27
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	2	2.27
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	2	2.27
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	2	2.27
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	6	2.27
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	13	2.27
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	13	2.27
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	13	2.27
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	13	2.27
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	3	2.26
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	3	2.26
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	16	2.26
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	6	2.26
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	6	2.26
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	6	2.26
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	4	2.26
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	4	2.26
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	4	2.26
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	17	2.26
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	17	2.26
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	13	2.26
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	3	2.25
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	3	2.25
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	3	2.25
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	3	2.25
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	3	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	3	2.25
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	1	2.25
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	1	2.25
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	1	2.25
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	16	2.25
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	16	2.25
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	16	2.25
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	1	2.25
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	1	2.25
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	1	2.25
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	9	2.25
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	9	2.25
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	9	2.25
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	9	2.24
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	9	2.24
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	9	2.24
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	9	2.24
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	9	2.24
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	9	2.24
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	13	2.24
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	13	2.24
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	13	2.24
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	15	2.24
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	15	2.24
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	15	2.24
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	13	2.24
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	13	2.24
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	13	2.24
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	8	2.24
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	8	2.24
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	15	2.23
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	14	2.23
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	14	2.23
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	14	2.23
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	10	2.23
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	10	2.23
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	10	2.23
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	10	2.23
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	10	2.23
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	10	2.23
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	8	2.23
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	8	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	8	2.23
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	16	2.23
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	16	2.23
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	16	2.23
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	20	2.23
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	7	2.23
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	7	2.23
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	14	2.22
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	14	2.22
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	15	2.22
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	15	2.22
(1,1587)	1:33:A:ASP:HA	1:37:A:ASN:HD22	4	2.22
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	2	2.22
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	2	2.22
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	2	2.22
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	17	2.22
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	17	2.22
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	17	2.22
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	16	2.22
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	16	2.22
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	16	2.22
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	16	2.22
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	16	2.22
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	16	2.22
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	16	2.22
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	16	2.22
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	16	2.22
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	19	2.22
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	19	2.22
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	19	2.22
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	18	2.22
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	6	2.21
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	6	2.21
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	19	2.21
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	19	2.21
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	19	2.21
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	19	2.21
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	19	2.21
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	19	2.21
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	7	2.21
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	7	2.21
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	7	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	3	2.21
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	3	2.21
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	3	2.21
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	19	2.21
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	19	2.21
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	19	2.21
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	12	2.21
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	12	2.21
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	12	2.21
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	15	2.2
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	4	2.2
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	4	2.2
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	4	2.2
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	6	2.2
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	6	2.2
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	6	2.2
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	15	2.2
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	15	2.2
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	15	2.2
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	3	2.2
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	3	2.2
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	3	2.2
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	9	2.2
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	9	2.2
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	20	2.19
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	20	2.19
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	7	2.19
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	12	2.19
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	18	2.19
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	18	2.19
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	18	2.19
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	18	2.19
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	18	2.19
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	18	2.19
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	15	2.19
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	15	2.19
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	15	2.19
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	9	2.19
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	9	2.19
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	9	2.19
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	6	2.19
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	6	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	6	2.19
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	6	2.19
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	6	2.19
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	6	2.19
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	6	2.19
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	6	2.19
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	6	2.19
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	5	2.19
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	5	2.19
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	5	2.19
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	5	2.19
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	5	2.19
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	5	2.19
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	1	2.19
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	1	2.19
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	1	2.19
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	10	2.18
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	10	2.18
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	10	2.18
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	10	2.18
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	10	2.18
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	10	2.18
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	10	2.18
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	10	2.18
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	10	2.18
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	10	2.18
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	10	2.18
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	10	2.18
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	10	2.18
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	10	2.18
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	10	2.18
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	17	2.18
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	17	2.18
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	17	2.18
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	17	2.18
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	17	2.18
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	17	2.18
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	17	2.18
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	17	2.18
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	17	2.18
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	20	2.18
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	20	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	20	2.18
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	8	2.18
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	8	2.18
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	8	2.18
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	8	2.18
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	8	2.18
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	8	2.18
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	4	2.18
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	4	2.18
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	13	2.18
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	13	2.18
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	11	2.17
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	17	2.17
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	10	2.17
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	10	2.17
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	10	2.17
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	18	2.17
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	9	2.17
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	9	2.17
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	9	2.17
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	3	2.17
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	3	2.17
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	3	2.17
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	3	2.17
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	3	2.17
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	3	2.17
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	13	2.17
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	13	2.17
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	13	2.17
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	13	2.17
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	13	2.17
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	13	2.17
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	13	2.17
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	13	2.17
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	13	2.17
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	19	2.17
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	19	2.17
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	19	2.17
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	7	2.17
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	2	2.17
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	2	2.17
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	2	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	2	2.17
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	2	2.17
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	2	2.17
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	3	2.17
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	3	2.17
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	3	2.17
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	3	2.17
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	3	2.17
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	3	2.17
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	14	2.17
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	14	2.17
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	14	2.17
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	14	2.17
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	14	2.17
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	14	2.17
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	2	2.17
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	2	2.17
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	20	2.17
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	20	2.17
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	2	2.16
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	2	2.16
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	2	2.16
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	4	2.16
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	4	2.16
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	4	2.16
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	16	2.16
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	16	2.16
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	16	2.16
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	15	2.16
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	15	2.16
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	15	2.16
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	20	2.16
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	20	2.16
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	20	2.16
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	20	2.16
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	20	2.16
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	20	2.16
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	6	2.16
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	6	2.16
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	10	2.16
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	10	2.16
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	10	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	15	2.15
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	15	2.15
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	15	2.15
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	3	2.15
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	3	2.15
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	3	2.15
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	11	2.15
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	11	2.15
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	11	2.15
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	14	2.15
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	16	2.15
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	16	2.15
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	16	2.15
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	16	2.15
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	16	2.15
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	16	2.15
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	16	2.15
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	16	2.15
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	16	2.15
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	16	2.15
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	16	2.15
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	16	2.15
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	5	2.15
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	5	2.15
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	15	2.14
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	2	2.14
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	2	2.14
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	2	2.14
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	2	2.14
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	2	2.14
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	2	2.14
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	9	2.14
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	18	2.14
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	18	2.14
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	3	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	3	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	3	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	6	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	6	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	6	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	9	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	9	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	9	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	17	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	17	2.13
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	17	2.13
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	14	2.13
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	14	2.13
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	14	2.13
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	20	2.13
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	20	2.13
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	20	2.13
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	20	2.13
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	2	2.12
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	2	2.12
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	5	2.12
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	5	2.12
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	15	2.12
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	15	2.12
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	15	2.12
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	19	2.12
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	19	2.12
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	19	2.12
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	19	2.12
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	19	2.12
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	19	2.12
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	14	2.12
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	14	2.12
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	14	2.12
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	3	2.12
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	3	2.12
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	19	2.12
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	19	2.12
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	2	2.12
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	2	2.12
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	2	2.12
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	20	2.12
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	20	2.12
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG21	15	2.12
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG22	15	2.12
(1,101)	1:3:A:ILE:HB	1:44:A:THR:HG23	15	2.12
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	19	2.11
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	19	2.11
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	7	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	7	2.11
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	3	2.11
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	3	2.11
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	3	2.11
(1,624)	1:42:A:VAL:HG21	1:44:A:THR:H	9	2.11
(1,624)	1:42:A:VAL:HG22	1:44:A:THR:H	9	2.11
(1,624)	1:42:A:VAL:HG23	1:44:A:THR:H	9	2.11
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	17	2.11
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	11	2.11
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	11	2.11
(1,1695)	1:86:A:ALA:HB3	1:107:A:PHE:HD1	7	2.1
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	7	2.1
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	7	2.1
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	7	2.1
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	4	2.1
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	4	2.1
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	4	2.1
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	4	2.1
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	4	2.1
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	4	2.1
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	14	2.1
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	14	2.1
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	14	2.1
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	6	2.1
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	6	2.1
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	6	2.1
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	6	2.1
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	6	2.1
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	6	2.1
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	6	2.1
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	6	2.1
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	6	2.1
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	2	2.1
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	16	2.1
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	6	2.1
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	6	2.1
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	4	2.1
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	4	2.1
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	4	2.1
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	4	2.1
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	4	2.1
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	4	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	3	2.09
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	20	2.09
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	20	2.09
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	20	2.09
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	3	2.09
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	3	2.09
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	3	2.09
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	3	2.09
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	3	2.09
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	3	2.09
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	3	2.09
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	3	2.09
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	3	2.09
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	5	2.09
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	5	2.09
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	3	2.09
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	17	2.09
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	19	2.09
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	18	2.09
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	18	2.09
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	18	2.08
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	2	2.08
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	2	2.08
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	2	2.08
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	18	2.08
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	7	2.08
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	11	2.08
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	13	2.08
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	4	2.07
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	20	2.07
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	20	2.07
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	20	2.07
(1,848)	1:12:A:THR:HG21	1:14:A:TRP:HE1	12	2.07
(1,848)	1:12:A:THR:HG22	1:14:A:TRP:HE1	12	2.07
(1,848)	1:12:A:THR:HG23	1:14:A:TRP:HE1	12	2.07
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	1	2.07
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	1	2.07
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	1	2.07
(1,624)	1:42:A:VAL:HG21	1:44:A:THR:H	17	2.07
(1,624)	1:42:A:VAL:HG22	1:44:A:THR:H	17	2.07
(1,624)	1:42:A:VAL:HG23	1:44:A:THR:H	17	2.07
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	1	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	4	2.07
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	4	2.07
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	6	2.07
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	6	2.07
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	8	2.06
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	8	2.06
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	6	2.05
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	6	2.05
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	6	2.05
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	6	2.05
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	6	2.05
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	19	2.05
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	4	2.05
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	4	2.05
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	4	2.05
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	4	2.05
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	17	2.04
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE1	13	2.04
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE2	13	2.04
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE3	13	2.04
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE1	13	2.04
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE2	13	2.04
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE3	13	2.04
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	17	2.04
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	17	2.04
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	17	2.04
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	6	2.04
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	6	2.04
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	6	2.04
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	2	2.04
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	2	2.04
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	2	2.04
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	4	2.04
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	4	2.04
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	9	2.04
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	20	2.04
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	16	2.04
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	16	2.04
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	16	2.04
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	18	2.04
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	18	2.04
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	10	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	10	2.03
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	10	2.03
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	18	2.03
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	18	2.03
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	18	2.03
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	13	2.03
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	13	2.03
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	13	2.03
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	20	2.03
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	20	2.03
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	20	2.03
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	13	2.03
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	13	2.03
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	13	2.03
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	13	2.03
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	13	2.03
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	13	2.03
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	5	2.03
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	5	2.03
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	5	2.03
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	5	2.03
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	5	2.03
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	5	2.03
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	5	2.03
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	5	2.03
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	5	2.03
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	20	2.03
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	6	2.03
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD2	12	2.02
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	11	2.02
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	11	2.02
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	11	2.02
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	5	2.02
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	5	2.02
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	5	2.02
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	3	2.02
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	10	2.02
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	6	2.02
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	6	2.02
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	6	2.02
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	6	2.02
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	14	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	1	2.01
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	1	2.01
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	1	2.01
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	5	2.01
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	10	2.01
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	8	2.01
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	8	2.01
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	14	2.01
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	9	2.01
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	9	2.01
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	9	2.01
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	5	2.0
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	5	2.0
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	5	2.0
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	5	2.0
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	5	2.0
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	5	2.0
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	14	2.0
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	12	2.0
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	12	2.0
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	12	2.0
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG21	18	2.0
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG22	18	2.0
(1,250)	1:10:A:GLU:HB3	1:13:A:VAL:HG23	18	2.0
(1,333)	1:99:A:PHE:HD1	1:100:A:SER:HB3	3	1.99
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	8	1.99
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	8	1.99
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	19	1.99
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	12	1.99
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	12	1.99
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	7	1.99
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD1	5	1.98
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD2	13	1.98
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	5	1.98
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	5	1.98
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	5	1.98
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	9	1.98
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	9	1.98
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	9	1.98
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	1	1.98
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	1	1.98
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	1	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	16	1.98
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	16	1.98
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	16	1.98
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	16	1.98
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	16	1.98
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	16	1.98
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	15	1.98
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	13	1.98
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	13	1.98
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	14	1.98
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	14	1.98
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	14	1.98
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	14	1.98
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	14	1.98
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	14	1.98
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD1	15	1.97
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD1	16	1.97
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	6	1.97
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	6	1.97
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	6	1.97
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	10	1.97
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	10	1.97
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	10	1.97
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	12	1.97
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	12	1.97
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	12	1.97
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	12	1.97
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	12	1.97
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	12	1.97
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	13	1.97
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	13	1.97
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	13	1.97
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	13	1.97
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	13	1.97
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	13	1.97
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	13	1.97
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	13	1.97
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	13	1.97
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	15	1.97
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	15	1.97
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	8	1.96
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	15	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	15	1.96
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	15	1.96
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	19	1.96
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	19	1.96
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	19	1.96
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	19	1.96
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	19	1.96
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	19	1.96
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	19	1.96
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	19	1.96
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	19	1.96
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	14	1.96
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	14	1.96
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	14	1.96
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	3	1.96
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	5	1.96
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	5	1.96
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	5	1.96
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	12	1.96
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	12	1.96
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	19	1.96
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	19	1.96
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	19	1.96
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	17	1.95
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	6	1.95
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	6	1.95
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	6	1.95
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	6	1.95
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	6	1.95
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	6	1.95
(1,1546)	1:6:A:VAL:HG11	1:9:A:GLY:H	18	1.95
(1,1546)	1:6:A:VAL:HG12	1:9:A:GLY:H	18	1.95
(1,1546)	1:6:A:VAL:HG13	1:9:A:GLY:H	18	1.95
(1,1546)	1:6:A:VAL:HG21	1:9:A:GLY:H	18	1.95
(1,1546)	1:6:A:VAL:HG22	1:9:A:GLY:H	18	1.95
(1,1546)	1:6:A:VAL:HG23	1:9:A:GLY:H	18	1.95
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	6	1.95
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	6	1.95
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	6	1.95
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	6	1.95
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	6	1.95
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	6	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	9	1.95
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	9	1.95
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	9	1.95
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	9	1.95
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	9	1.95
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	9	1.95
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	9	1.95
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	9	1.95
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	9	1.95
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	17	1.95
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	17	1.95
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	17	1.95
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	12	1.95
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	12	1.95
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	9	1.95
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	9	1.95
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	9	1.95
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	9	1.95
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	10	1.95
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	10	1.95
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	16	1.94
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	16	1.94
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	16	1.94
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	18	1.94
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	12	1.94
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	12	1.94
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	12	1.94
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	11	1.94
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	4	1.94
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	4	1.94
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	4	1.94
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	8	1.94
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	8	1.94
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	8	1.94
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	8	1.94
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	8	1.94
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	8	1.94
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	8	1.94
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	8	1.94
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	8	1.94
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	4	1.94
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	2	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	2	1.94
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	2	1.94
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD1	9	1.93
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	16	1.93
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	17	1.93
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	17	1.93
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	17	1.93
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	16	1.93
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	16	1.93
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	16	1.93
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	16	1.93
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	16	1.93
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	16	1.93
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	16	1.93
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	16	1.93
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	16	1.93
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	16	1.93
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	16	1.93
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	16	1.93
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	16	1.93
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	16	1.93
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	16	1.93
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	16	1.93
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	16	1.93
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	16	1.93
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	20	1.93
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	20	1.93
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	20	1.93
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	8	1.93
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	8	1.93
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	8	1.93
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	16	1.93
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	16	1.93
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	17	1.93
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	17	1.93
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	17	1.93
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	17	1.93
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	17	1.93
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	15	1.93
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	15	1.93
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG11	8	1.92
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG12	8	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:29:A:ASP:H	1:32:A:VAL:HG13	8	1.92
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	4	1.92
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	19	1.92
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	19	1.92
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	19	1.92
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	12	1.92
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	12	1.92
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	1	1.92
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	1	1.92
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	1	1.92
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	3	1.92
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	3	1.92
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	3	1.92
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	8	1.92
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	8	1.92
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	8	1.92
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	12	1.92
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	12	1.92
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	17	1.91
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	17	1.91
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	17	1.91
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG21	18	1.91
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG22	18	1.91
(1,760)	1:11:A:ASP:HA	1:13:A:VAL:HG23	18	1.91
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	16	1.91
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	16	1.91
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	16	1.91
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	18	1.91
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	18	1.91
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	4	1.91
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	4	1.91
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	4	1.91
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	5	1.91
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	5	1.91
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	12	1.9
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	12	1.9
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD1	7	1.9
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	2	1.9
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	10	1.9
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	10	1.9
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	10	1.9
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	7	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	7	1.9
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	7	1.9
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	13	1.9
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	13	1.9
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	15	1.9
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	13	1.89
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	13	1.89
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	13	1.89
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	7	1.89
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	7	1.89
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	7	1.89
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	7	1.89
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	7	1.89
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	7	1.89
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	7	1.89
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	7	1.89
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	7	1.89
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	12	1.89
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	12	1.89
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	12	1.89
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	12	1.89
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	12	1.89
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	12	1.89
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	12	1.89
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	12	1.89
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	12	1.89
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	3	1.89
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	3	1.89
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	3	1.89
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	5	1.89
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	13	1.89
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	13	1.89
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	13	1.89
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	7	1.89
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	7	1.89
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	7	1.89
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	7	1.89
(1,67)	1:31:A:ARG:HA	1:33:A:ASP:HB2	19	1.89
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD2	18	1.88
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	5	1.88
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	5	1.88
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	5	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	10	1.88
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	10	1.88
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	10	1.88
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	3	1.88
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	3	1.88
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	3	1.88
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	13	1.88
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD1	10	1.87
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD2	17	1.87
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	12	1.87
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	11	1.87
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	11	1.87
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	11	1.87
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	11	1.87
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	11	1.87
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	11	1.87
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	11	1.87
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	7	1.87
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	7	1.87
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	7	1.87
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	7	1.87
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	7	1.87
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	7	1.87
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	5	1.86
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	5	1.86
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	7	1.86
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	7	1.86
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	7	1.86
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	19	1.86
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	19	1.86
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	19	1.86
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	1	1.86
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	18	1.86
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	18	1.86
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	18	1.86
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	18	1.86
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	18	1.86
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	18	1.86
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	7	1.86
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	7	1.86
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	7	1.86
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	3	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	3	1.86
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG11	11	1.86
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG12	11	1.86
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG13	11	1.86
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD2	11	1.85
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	5	1.85
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD1	4	1.84
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	2	1.84
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	2	1.84
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	2	1.84
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	11	1.84
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	11	1.84
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	11	1.84
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	10	1.84
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	10	1.84
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	10	1.84
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	10	1.84
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	10	1.84
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	10	1.84
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	10	1.84
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	10	1.84
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	10	1.84
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	20	1.84
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	20	1.84
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	20	1.84
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	20	1.84
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	20	1.84
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	20	1.84
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	20	1.84
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	20	1.84
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	20	1.84
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	1	1.84
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	1	1.84
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	1	1.84
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	1	1.84
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	1	1.84
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	1	1.84
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	17	1.84
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	17	1.84
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	5	1.84
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	5	1.84
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	5	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	14	1.83
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	11	1.83
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	10	1.83
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	10	1.83
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	18	1.83
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	18	1.83
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	18	1.83
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	3	1.83
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	3	1.83
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	10	1.83
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	10	1.83
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	16	1.82
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	16	1.82
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	16	1.82
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	9	1.82
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	9	1.82
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	9	1.82
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	14	1.82
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	14	1.82
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	14	1.82
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	16	1.82
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	16	1.82
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	16	1.82
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	16	1.82
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	16	1.82
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	16	1.82
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	18	1.82
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	1	1.82
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	1	1.82
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	17	1.82
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	4	1.82
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	4	1.82
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	10	1.82
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	10	1.82
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD2	2	1.81
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD1	20	1.81
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	10	1.81
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	17	1.81
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	17	1.81
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	17	1.81
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	14	1.81
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	14	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	14	1.81
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	1	1.81
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	1	1.81
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	1	1.81
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	1	1.81
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	1	1.81
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	1	1.81
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	1	1.81
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	1	1.81
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	1	1.81
(1,499)	1:80:A:LEU:HD21	1:83:A:TRP:HE1	9	1.81
(1,499)	1:80:A:LEU:HD22	1:83:A:TRP:HE1	9	1.81
(1,499)	1:80:A:LEU:HD23	1:83:A:TRP:HE1	9	1.81
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	13	1.81
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	12	1.81
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	7	1.81
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	7	1.81
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	8	1.81
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	8	1.81
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	8	1.81
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	8	1.81
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	8	1.81
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	8	1.81
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	5	1.8
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	5	1.8
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	5	1.8
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	7	1.8
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	7	1.8
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	7	1.8
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	7	1.8
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	7	1.8
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	7	1.8
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	13	1.8
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	13	1.8
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	13	1.8
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	8	1.8
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	8	1.8
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	8	1.8
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	18	1.8
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	18	1.8
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	18	1.8
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	8	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	8	1.8
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	10	1.8
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	10	1.8
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	10	1.8
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	10	1.8
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	10	1.8
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	10	1.8
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	10	1.8
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	10	1.8
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	10	1.8
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	10	1.8
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	1	1.79
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	1	1.79
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	1	1.79
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	17	1.79
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	17	1.79
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	17	1.79
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	17	1.79
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	17	1.79
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	17	1.79
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	17	1.79
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	17	1.79
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	17	1.79
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	4	1.79
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	4	1.79
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	4	1.79
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	1	1.79
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	1	1.79
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	1	1.79
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	5	1.79
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	5	1.79
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	19	1.79
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	19	1.79
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	18	1.79
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	18	1.79
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	18	1.79
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	12	1.79
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	12	1.79
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	12	1.79
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	12	1.79
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	12	1.79
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	12	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	11	1.78
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	11	1.78
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	11	1.78
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	2	1.78
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	15	1.78
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	15	1.78
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	15	1.78
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	14	1.78
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	14	1.78
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	14	1.78
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	2	1.78
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	2	1.78
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	2	1.78
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	11	1.78
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	11	1.78
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	11	1.78
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	11	1.78
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	11	1.78
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	11	1.78
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	12	1.78
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	12	1.78
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	12	1.78
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	3	1.77
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	15	1.77
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	15	1.77
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	15	1.77
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	2	1.77
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	2	1.77
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	2	1.77
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	2	1.77
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	2	1.77
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	2	1.77
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	2	1.77
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	2	1.77
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	2	1.77
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	20	1.77
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	20	1.77
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	16	1.77
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	16	1.77
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD2	3	1.76
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	7	1.76
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	7	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	7	1.76
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	7	1.76
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	7	1.76
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	7	1.76
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	1	1.76
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	1	1.76
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	1	1.76
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	1	1.76
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	1	1.76
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	1	1.76
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	1	1.76
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	1	1.76
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	1	1.76
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	14	1.76
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	8	1.76
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	19	1.76
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	19	1.76
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	19	1.76
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	19	1.76
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	5	1.76
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	5	1.76
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	5	1.76
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG11	10	1.75
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG12	10	1.75
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG13	10	1.75
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG11	10	1.75
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG12	10	1.75
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG13	10	1.75
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	9	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	4	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	4	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	4	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	5	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	5	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	5	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	12	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	12	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	12	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	18	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	18	1.75
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	18	1.75
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	10	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	10	1.75
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	10	1.75
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	15	1.75
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	15	1.75
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	15	1.75
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	1	1.75
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	1	1.75
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	1	1.75
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	10	1.75
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	10	1.75
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	10	1.75
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	10	1.75
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	10	1.75
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	10	1.75
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	14	1.75
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	14	1.75
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	14	1.75
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	14	1.75
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	14	1.75
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	14	1.75
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HE1	2	1.75
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	3	1.75
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	3	1.75
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	3	1.75
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	14	1.75
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	10	1.75
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	10	1.75
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	10	1.75
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	2	1.75
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	2	1.75
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	2	1.75
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	2	1.75
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	2	1.75
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	2	1.75
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	17	1.75
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	17	1.75
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	17	1.75
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	17	1.75
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	17	1.75
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	17	1.75
(1,1695)	1:86:A:ALA:HB3	1:107:A:PHE:HD1	11	1.74
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	13	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	13	1.74
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	13	1.74
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	13	1.74
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	13	1.74
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	13	1.74
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	13	1.74
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	13	1.74
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	13	1.74
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	13	1.74
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	13	1.74
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	13	1.74
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	13	1.74
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	13	1.74
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	13	1.74
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	13	1.74
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	13	1.74
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	13	1.74
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	4	1.74
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	4	1.74
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	4	1.74
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	1	1.74
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	1	1.74
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	6	1.74
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	19	1.74
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	19	1.74
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	3	1.74
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	3	1.74
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	19	1.74
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	19	1.74
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	19	1.74
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	1	1.73
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	1	1.73
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	7	1.73
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	14	1.73
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	14	1.73
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	14	1.73
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	1	1.73
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	1	1.73
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	1	1.73
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	6	1.73
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	6	1.73
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	6	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	15	1.73
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	15	1.73
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	15	1.73
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	10	1.73
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	10	1.73
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	10	1.73
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	19	1.73
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	19	1.73
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	1	1.73
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	17	1.73
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	17	1.73
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	3	1.73
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG11	11	1.73
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG12	11	1.73
(1,126)	1:82:A:GLU:HG3	1:85:A:VAL:HG13	11	1.73
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	3	1.73
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	3	1.73
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD2	1	1.72
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	19	1.72
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	19	1.72
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	19	1.72
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	10	1.72
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	10	1.72
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	10	1.72
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	10	1.72
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	10	1.72
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	16	1.72
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	13	1.72
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	18	1.71
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	2	1.71
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	2	1.71
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	2	1.71
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	14	1.71
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	14	1.71
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	14	1.71
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	5	1.71
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	5	1.71
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	5	1.71
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	5	1.71
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	5	1.71
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	5	1.71
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	5	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	5	1.71
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	5	1.71
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	10	1.71
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	10	1.71
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	10	1.71
(1,430)	1:34:A:LYS:HG3	1:38:A:GLU:HG2	11	1.71
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	12	1.71
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	12	1.71
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	12	1.71
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	7	1.71
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	7	1.71
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	1	1.71
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	6	1.71
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	6	1.71
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	6	1.71
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	16	1.7
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	16	1.7
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	16	1.7
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	3	1.7
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	3	1.7
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	3	1.7
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	9	1.7
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	9	1.7
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	9	1.7
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	8	1.7
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	8	1.7
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	8	1.7
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	8	1.7
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	8	1.7
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	8	1.7
(1,315)	1:3:A:ILE:HB	1:17:A:GLN:HB3	7	1.7
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	10	1.7
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	10	1.7
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	3	1.7
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	3	1.7
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	11	1.7
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	11	1.7
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	18	1.7
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	19	1.7
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	5	1.7
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	5	1.7
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	19	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	19	1.69
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	13	1.69
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	8	1.69
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	1	1.69
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	1	1.69
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	1	1.69
(1,783)	1:91:A:PHE:HE1	1:111:A:ASP:HA	1	1.69
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	16	1.69
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	16	1.69
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	16	1.69
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	20	1.69
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	20	1.69
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	20	1.69
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	3	1.69
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	3	1.69
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	3	1.69
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	1	1.69
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	1	1.69
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	1	1.69
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	18	1.69
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	18	1.69
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	18	1.69
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	5	1.69
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	5	1.69
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	5	1.69
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	5	1.69
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	5	1.69
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	5	1.69
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	15	1.69
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	15	1.69
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	15	1.69
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	17	1.69
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	17	1.69
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	17	1.69
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	2	1.69
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	2	1.69
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	20	1.69
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	20	1.69
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	20	1.69
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	15	1.69
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	15	1.69
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	11	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	18	1.69
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	18	1.69
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	18	1.69
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	20	1.69
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	10	1.68
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	10	1.68
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	9	1.68
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	9	1.68
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	9	1.68
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	9	1.68
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	9	1.68
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	14	1.68
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	17	1.68
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	17	1.68
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	12	1.68
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	15	1.68
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	15	1.68
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	15	1.68
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	14	1.68
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	14	1.68
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	17	1.67
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	17	1.67
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	17	1.67
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	14	1.67
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	14	1.67
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	17	1.67
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	17	1.67
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	4	1.67
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	4	1.67
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	4	1.67
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	9	1.67
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	9	1.67
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	9	1.67
(1,983)	1:62:A:VAL:H	1:65:A:THR:HB	19	1.67
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	8	1.67
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	8	1.67
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	8	1.67
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	8	1.67
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	8	1.67
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	8	1.67
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	8	1.67
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	8	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	8	1.67
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	8	1.67
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	8	1.67
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	8	1.67
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	8	1.67
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	8	1.67
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	8	1.67
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	8	1.67
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	8	1.67
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	8	1.67
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	2	1.67
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	2	1.67
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	2	1.67
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	13	1.67
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	13	1.67
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	13	1.67
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	8	1.67
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	8	1.67
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	8	1.67
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	9	1.67
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	9	1.67
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	9	1.67
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	19	1.67
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	20	1.67
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	20	1.67
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	17	1.67
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	5	1.67
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	5	1.67
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	5	1.67
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	5	1.67
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	15	1.67
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	15	1.67
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	5	1.67
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	5	1.67
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	3	1.67
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	3	1.67
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	3	1.67
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	12	1.66
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	12	1.66
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	12	1.66
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	8	1.66
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	8	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	13	1.66
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	7	1.66
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	7	1.66
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	7	1.66
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	19	1.66
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	19	1.66
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	19	1.66
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	17	1.66
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	17	1.66
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	17	1.66
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	17	1.66
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	17	1.66
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	17	1.66
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	17	1.66
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	17	1.66
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	17	1.66
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	9	1.66
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	9	1.66
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	9	1.66
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	1	1.66
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	18	1.66
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	18	1.66
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD2	7	1.66
(1,296)	1:3:A:ILE:H	1:4:A:LYS:HD3	7	1.66
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	8	1.66
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	20	1.66
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	20	1.66
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	2	1.65
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	2	1.65
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	9	1.65
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	9	1.65
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	9	1.65
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	9	1.65
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	9	1.65
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	9	1.65
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	9	1.65
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	9	1.65
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	9	1.65
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	9	1.65
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	9	1.65
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	9	1.65
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	8	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	8	1.65
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	8	1.65
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	12	1.65
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	12	1.65
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	12	1.65
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	2	1.65
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	2	1.65
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	2	1.65
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	2	1.65
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	2	1.65
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	2	1.65
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	2	1.65
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	2	1.65
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	2	1.65
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	2	1.65
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	2	1.65
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	2	1.65
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	2	1.65
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	2	1.65
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	2	1.65
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	2	1.65
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	2	1.65
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	2	1.65
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	2	1.65
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	2	1.65
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	2	1.65
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	11	1.65
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	11	1.65
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	11	1.65
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	4	1.65
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	4	1.65
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	4	1.65
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	4	1.65
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	4	1.65
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	4	1.65
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	4	1.65
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	4	1.65
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	4	1.65
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	16	1.65
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	19	1.65
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	11	1.65
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	15	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	15	1.65
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	15	1.65
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	15	1.65
(1,164)	1:27:A:GLU:HG2	1:105:A:CYS:H	9	1.65
(1,164)	1:27:A:GLU:HG3	1:105:A:CYS:H	9	1.65
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	2	1.65
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	10	1.65
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	10	1.65
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	7	1.65
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	7	1.65
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	8	1.65
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	13	1.64
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	16	1.64
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	16	1.64
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	16	1.64
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	16	1.64
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	16	1.64
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	16	1.64
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	4	1.64
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	4	1.64
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	4	1.64
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	11	1.64
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	11	1.64
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	11	1.64
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	15	1.64
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	15	1.64
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	15	1.64
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	17	1.64
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	17	1.64
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	17	1.64
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	14	1.64
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	14	1.64
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	14	1.64
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	1	1.64
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	1	1.64
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	1	1.64
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	5	1.64
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	5	1.64
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	5	1.64
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	8	1.64
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	8	1.64
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	8	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	8	1.64
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	8	1.64
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	8	1.64
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	8	1.63
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	8	1.63
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	13	1.63
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	13	1.63
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	18	1.63
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	18	1.63
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	18	1.63
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	18	1.63
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	18	1.63
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	18	1.63
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	18	1.63
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	18	1.63
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	18	1.63
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	18	1.63
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	18	1.63
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	18	1.63
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	7	1.63
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	8	1.63
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	1	1.63
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	1	1.63
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	1	1.63
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	1	1.63
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	1	1.63
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	1	1.63
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	3	1.63
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	3	1.63
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	3	1.63
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	3	1.63
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	3	1.63
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	3	1.63
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	3	1.63
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	3	1.63
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	3	1.63
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	3	1.63
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	3	1.63
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	3	1.63
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	3	1.63
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	3	1.63
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	3	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	3	1.63
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	3	1.63
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	3	1.63
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	9	1.63
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	9	1.63
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	9	1.63
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	9	1.63
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	9	1.63
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	9	1.63
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	10	1.63
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	10	1.63
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	10	1.63
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	10	1.63
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	10	1.63
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	10	1.63
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	10	1.63
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	10	1.63
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	10	1.63
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	12	1.63
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	20	1.63
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	16	1.63
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	17	1.63
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	10	1.63
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	10	1.63
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	10	1.63
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	10	1.63
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	10	1.63
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	10	1.63
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	18	1.63
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	2	1.62
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	3	1.62
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	3	1.62
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	3	1.62
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	7	1.62
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	7	1.62
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	7	1.62
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	4	1.62
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	4	1.62
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	4	1.62
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	3	1.62
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	3	1.62
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	3	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	4	1.62
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	4	1.62
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	4	1.62
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	7	1.62
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	7	1.62
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	7	1.62
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	10	1.62
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	15	1.62
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	7	1.62
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	11	1.62
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	11	1.62
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	11	1.62
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	5	1.62
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	5	1.62
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	5	1.62
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	20	1.61
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	20	1.61
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	6	1.61
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	10	1.61
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	10	1.61
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	10	1.61
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	11	1.61
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	11	1.61
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	11	1.61
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	6	1.61
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	6	1.61
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	6	1.61
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	17	1.61
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	17	1.61
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	17	1.61
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	19	1.61
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	19	1.61
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	19	1.61
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	11	1.61
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	11	1.61
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	11	1.61
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	11	1.61
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	11	1.61
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	11	1.61
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	11	1.61
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	11	1.61
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	11	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	13	1.61
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	13	1.61
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	13	1.61
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	13	1.61
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	13	1.61
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	13	1.61
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	7	1.61
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	5	1.61
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	15	1.61
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	15	1.61
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	11	1.61
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	11	1.61
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	11	1.61
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	11	1.61
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	11	1.61
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	11	1.61
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	19	1.61
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	9	1.61
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	9	1.61
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	12	1.6
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	12	1.6
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	4	1.6
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	8	1.6
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	8	1.6
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	8	1.6
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	13	1.6
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	13	1.6
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	13	1.6
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	13	1.6
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	13	1.6
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	13	1.6
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	13	1.6
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	13	1.6
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	13	1.6
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	13	1.6
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	13	1.6
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	13	1.6
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	9	1.6
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	9	1.6
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	9	1.6
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG11	19	1.6
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG12	19	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:62:A:VAL:HG11	1:63:A:VAL:HG13	19	1.6
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG11	19	1.6
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG12	19	1.6
(1,594)	1:62:A:VAL:HG12	1:63:A:VAL:HG13	19	1.6
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG11	19	1.6
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG12	19	1.6
(1,594)	1:62:A:VAL:HG13	1:63:A:VAL:HG13	19	1.6
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	13	1.6
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	16	1.6
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	5	1.6
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	5	1.6
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	5	1.6
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	5	1.6
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	5	1.6
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	5	1.6
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	4	1.6
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	7	1.59
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	7	1.59
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	8	1.59
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	8	1.59
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	8	1.59
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	13	1.59
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	13	1.59
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	13	1.59
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	5	1.59
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	5	1.59
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	5	1.59
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	19	1.59
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	19	1.59
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	19	1.59
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	6	1.59
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	6	1.59
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	6	1.59
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	6	1.59
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	6	1.59
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	6	1.59
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	6	1.59
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	6	1.59
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	6	1.59
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	16	1.59
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	16	1.59
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	16	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	19	1.59
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	19	1.59
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	19	1.59
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	1	1.59
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	2	1.59
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	2	1.59
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	14	1.59
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	14	1.59
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	13	1.59
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	13	1.59
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	13	1.59
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	3	1.58
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	3	1.58
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	20	1.58
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	8	1.58
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	8	1.58
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	8	1.58
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	4	1.58
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	4	1.58
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	4	1.58
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	9	1.58
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	9	1.58
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	9	1.58
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	7	1.58
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	7	1.58
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	7	1.58
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	17	1.58
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	17	1.58
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	17	1.58
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	10	1.58
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	10	1.58
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	10	1.58
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD11	12	1.58
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD12	12	1.58
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD13	12	1.58
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD11	12	1.58
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD12	12	1.58
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD13	12	1.58
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD11	12	1.58
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD12	12	1.58
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD13	12	1.58
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	2	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	2	1.58
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	2	1.58
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	2	1.58
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	8	1.58
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	2	1.58
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	2	1.58
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	5	1.58
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	5	1.58
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	6	1.58
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	6	1.58
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	8	1.58
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	8	1.58
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	16	1.58
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	16	1.58
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	14	1.58
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	19	1.58
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	19	1.58
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	19	1.58
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	15	1.58
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	15	1.58
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	15	1.58
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	6	1.58
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	6	1.58
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	4	1.57
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	4	1.57
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	4	1.57
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	12	1.57
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	12	1.57
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	12	1.57
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	12	1.57
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	12	1.57
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	12	1.57
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	8	1.57
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	8	1.57
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	8	1.57
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	6	1.57
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD11	8	1.57
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD12	8	1.57
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD13	8	1.57
(1,333)	1:99:A:PHE:HD2	1:100:A:SER:HB3	6	1.57
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	7	1.57
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	3	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	3	1.57
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	12	1.57
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	12	1.57
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	13	1.57
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	13	1.57
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	19	1.57
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	19	1.57
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	5	1.57
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	17	1.57
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	17	1.57
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	17	1.57
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	10	1.57
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	10	1.57
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	10	1.57
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	14	1.57
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	14	1.57
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	14	1.57
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	1	1.57
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG21	14	1.56
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG22	14	1.56
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG23	14	1.56
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG21	14	1.56
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG22	14	1.56
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG23	14	1.56
(1,1254)	1:102:A:ARG:HG3	1:104:A:TYR:H	10	1.56
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	17	1.56
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	13	1.56
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	13	1.56
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	13	1.56
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	3	1.56
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	3	1.56
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	3	1.56
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	18	1.56
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	18	1.56
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	18	1.56
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	8	1.56
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	8	1.56
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	8	1.56
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	15	1.56
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	15	1.56
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	4	1.56
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	4	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	9	1.56
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	9	1.56
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	2	1.56
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	2	1.56
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	2	1.56
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	9	1.56
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	9	1.56
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	9	1.56
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	16	1.56
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	16	1.56
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	16	1.56
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	8	1.56
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	8	1.56
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	9	1.55
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	9	1.55
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	9	1.55
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	18	1.55
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	18	1.55
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	6	1.55
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	6	1.55
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	18	1.55
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	18	1.55
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	4	1.55
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	4	1.55
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	4	1.55
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	4	1.55
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	4	1.55
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	4	1.55
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	4	1.55
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	4	1.55
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	4	1.55
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	4	1.55
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	4	1.55
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	4	1.55
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	8	1.55
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	1	1.55
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	20	1.55
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	20	1.55
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	20	1.55
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	15	1.55
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	15	1.55
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	15	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	15	1.55
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	15	1.55
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	15	1.55
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	15	1.55
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	15	1.55
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	15	1.55
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	15	1.55
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	15	1.55
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	15	1.55
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	15	1.55
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	15	1.55
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	15	1.55
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	15	1.55
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	15	1.55
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	15	1.55
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	5	1.55
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	5	1.55
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	5	1.55
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	6	1.55
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	6	1.55
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	6	1.55
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	3	1.55
(1,420)	1:12:A:THR:HA	1:14:A:TRP:HD1	9	1.55
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	10	1.55
(1,178)	1:67:A:GLN:HG2	1:68:A:PRO:HB3	12	1.55
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	10	1.55
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	10	1.55
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	10	1.55
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	10	1.55
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	1	1.55
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	17	1.55
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	17	1.55
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	17	1.55
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	7	1.55
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	7	1.55
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	7	1.55
(1,67)	1:31:A:ARG:HA	1:33:A:ASP:HB2	16	1.55
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	12	1.54
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	12	1.54
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	20	1.54
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	20	1.54
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	20	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:102:A:ARG:HG3	1:104:A:TYR:H	11	1.54
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	5	1.54
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	5	1.54
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	5	1.54
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	15	1.54
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	15	1.54
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	15	1.54
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	6	1.54
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	6	1.54
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	6	1.54
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG21	20	1.54
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG22	20	1.54
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG23	20	1.54
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	11	1.54
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	18	1.54
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	1	1.54
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	3	1.54
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	3	1.54
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	3	1.54
(1,67)	1:31:A:ARG:HA	1:33:A:ASP:HB2	10	1.54
(1,67)	1:31:A:ARG:HA	1:33:A:ASP:HB2	12	1.54
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	5	1.54
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	5	1.54
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	1	1.53
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	1	1.53
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	5	1.53
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	5	1.53
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	10	1.53
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	2	1.53
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	2	1.53
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	2	1.53
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	1	1.53
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	5	1.53
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	10	1.53
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	10	1.53
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	10	1.53
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	10	1.53
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	10	1.53
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	10	1.53
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	10	1.53
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	10	1.53
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	10	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	10	1.53
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	10	1.53
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	10	1.53
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	10	1.53
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	10	1.53
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	10	1.53
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	10	1.53
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	10	1.53
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	10	1.53
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	4	1.53
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	4	1.53
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	4	1.53
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	14	1.53
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	14	1.53
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	14	1.53
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	17	1.53
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	17	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	4	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	4	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	4	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	5	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	5	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	5	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	8	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	8	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	8	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	10	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	10	1.53
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	10	1.53
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	6	1.53
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	6	1.53
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	6	1.53
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	20	1.53
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	20	1.53
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	20	1.53
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	17	1.53
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	9	1.53
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	9	1.53
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	9	1.53
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	9	1.53
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	9	1.53
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	9	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	13	1.53
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	13	1.53
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	7	1.52
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	14	1.52
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	14	1.52
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	14	1.52
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	3	1.52
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	3	1.52
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	3	1.52
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	12	1.52
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	12	1.52
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	12	1.52
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	20	1.52
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	20	1.52
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	20	1.52
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	17	1.52
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	17	1.52
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	17	1.52
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	17	1.52
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	17	1.52
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	17	1.52
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	18	1.52
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	18	1.52
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	18	1.52
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	8	1.52
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD11	12	1.52
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD12	12	1.52
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD13	12	1.52
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	9	1.52
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	9	1.52
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	2	1.52
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	6	1.52
(1,223)	1:96:A:GLU:HB3	1:98:A:ASN:HB2	20	1.52
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	9	1.52
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	9	1.52
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	19	1.52
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	15	1.52
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	1	1.52
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	1	1.52
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	1	1.52
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	1	1.52
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	1	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	1	1.52
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	19	1.52
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	19	1.52
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	19	1.52
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	19	1.52
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	3	1.52
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	3	1.52
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	3	1.52
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	3	1.52
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	3	1.52
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	3	1.52
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	15	1.52
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	15	1.52
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	7	1.51
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	7	1.51
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	7	1.51
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	8	1.51
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	8	1.51
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	8	1.51
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	3	1.51
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	3	1.51
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	3	1.51
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	16	1.51
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	16	1.51
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	16	1.51
(1,649)	1:35:A:VAL:HG21	1:40:A:CYS:H	11	1.51
(1,649)	1:35:A:VAL:HG22	1:40:A:CYS:H	11	1.51
(1,649)	1:35:A:VAL:HG23	1:40:A:CYS:H	11	1.51
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	6	1.51
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	6	1.51
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	6	1.51
(1,304)	1:16:A:VAL:HG11	1:17:A:GLN:HB2	18	1.51
(1,304)	1:16:A:VAL:HG12	1:17:A:GLN:HB2	18	1.51
(1,304)	1:16:A:VAL:HG13	1:17:A:GLN:HB2	18	1.51
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	12	1.51
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	12	1.51
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	12	1.51
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	3	1.51
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	3	1.51
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	3	1.51
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	9	1.51
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	9	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	9	1.51
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	11	1.5
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	11	1.5
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	11	1.5
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	15	1.5
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	15	1.5
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	15	1.5
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	15	1.5
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	15	1.5
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	15	1.5
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	16	1.5
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	16	1.5
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	16	1.5
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	16	1.5
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	4	1.5
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	14	1.5
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	14	1.5
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	14	1.5
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	19	1.5
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	19	1.5
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	19	1.5
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	19	1.5
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	19	1.5
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	19	1.5
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	19	1.5
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	19	1.5
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	19	1.5
(1,499)	1:80:A:LEU:HD21	1:83:A:TRP:HE1	14	1.5
(1,499)	1:80:A:LEU:HD22	1:83:A:TRP:HE1	14	1.5
(1,499)	1:80:A:LEU:HD23	1:83:A:TRP:HE1	14	1.5
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	16	1.5
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	16	1.5
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	16	1.5
(1,333)	1:99:A:PHE:HD2	1:100:A:SER:HB3	11	1.5
(1,333)	1:99:A:PHE:HD2	1:100:A:SER:HB3	13	1.5
(1,98)	1:3:A:ILE:HB	1:17:A:GLN:H	16	1.5
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	2	1.5
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	2	1.5
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	2	1.5
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	4	1.5
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	4	1.5
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	4	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	8	1.5
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	8	1.5
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	8	1.5
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	1	1.49
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	12	1.49
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	12	1.49
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	12	1.49
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	14	1.49
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	14	1.49
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	14	1.49
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	8	1.49
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	8	1.49
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	8	1.49
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	18	1.49
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	18	1.49
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	18	1.49
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	18	1.49
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	18	1.49
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	18	1.49
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	18	1.49
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	18	1.49
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	18	1.49
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD11	4	1.49
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD12	4	1.49
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD13	4	1.49
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD11	4	1.49
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD12	4	1.49
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD13	4	1.49
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD11	4	1.49
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD12	4	1.49
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD13	4	1.49
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	2	1.49
(1,333)	1:99:A:PHE:HD2	1:100:A:SER:HB3	14	1.49
(1,333)	1:99:A:PHE:HD2	1:100:A:SER:HB3	18	1.49
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	3	1.49
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	3	1.49
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	3	1.49
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	11	1.49
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	11	1.49
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	11	1.49
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	11	1.49
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG11	7	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG12	7	1.49
(1,133)	1:82:A:GLU:HG2	1:85:A:VAL:HG13	7	1.49
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	15	1.49
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	15	1.49
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	15	1.49
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	14	1.48
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	14	1.48
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	14	1.48
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	14	1.48
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	14	1.48
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	14	1.48
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	14	1.48
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	14	1.48
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	14	1.48
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	14	1.48
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	14	1.48
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	14	1.48
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	13	1.48
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	9	1.48
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	9	1.48
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	9	1.48
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	17	1.48
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	17	1.48
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	17	1.48
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	17	1.48
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	17	1.48
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	17	1.48
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	17	1.48
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	17	1.48
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	17	1.48
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	17	1.48
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	17	1.48
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	17	1.48
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	17	1.48
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	17	1.48
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	17	1.48
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	17	1.48
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	17	1.48
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	17	1.48
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	4	1.48
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	4	1.48
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	4	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	4	1.48
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	4	1.48
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	4	1.48
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	4	1.48
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	4	1.48
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	4	1.48
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	9	1.48
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	9	1.48
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	9	1.48
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	9	1.48
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	9	1.48
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	9	1.48
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	9	1.48
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	9	1.48
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	9	1.48
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	18	1.48
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	18	1.48
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	18	1.48
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	18	1.48
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	18	1.48
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	18	1.48
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	9	1.48
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	9	1.48
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	9	1.48
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	9	1.48
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	9	1.48
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	9	1.48
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	9	1.48
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	9	1.48
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	9	1.48
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD11	13	1.48
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD12	13	1.48
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD13	13	1.48
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD11	13	1.48
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD12	13	1.48
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD13	13	1.48
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD11	13	1.48
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD12	13	1.48
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD13	13	1.48
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	15	1.48
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	15	1.48
(1,333)	1:99:A:PHE:HD2	1:100:A:SER:HB3	1	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	3	1.48
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	4	1.48
(1,177)	1:19:A:TYR:HB2	1:45:A:VAL:HB	18	1.48
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	8	1.48
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	8	1.48
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	8	1.48
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	8	1.48
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	16	1.48
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	16	1.48
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	16	1.48
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	10	1.48
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	4	1.47
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	4	1.47
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	3	1.47
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	3	1.47
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	3	1.47
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	9	1.47
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	9	1.47
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	9	1.47
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	12	1.47
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	12	1.47
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	12	1.47
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	3	1.47
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	13	1.47
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	13	1.47
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	13	1.47
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	20	1.47
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	20	1.47
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	20	1.47
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	20	1.47
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	20	1.47
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	20	1.47
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	20	1.47
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	20	1.47
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	20	1.47
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	5	1.47
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	5	1.47
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	5	1.47
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	8	1.47
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	8	1.47
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	8	1.47
(1,333)	1:99:A:PHE:HD2	1:100:A:SER:HB3	8	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD2	5	1.47
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD3	5	1.47
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	6	1.47
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	18	1.47
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	3	1.47
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	11	1.47
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE1	18	1.46
(1,1755)	1:107:A:PHE:HB3	1:108:A:TYR:HE2	18	1.46
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	1	1.46
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	1	1.46
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	1	1.46
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	20	1.46
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	17	1.46
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	1	1.46
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	1	1.46
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	1	1.46
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	1	1.46
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	1	1.46
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	1	1.46
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	14	1.46
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	14	1.46
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	1	1.46
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	1	1.46
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	1	1.46
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	1	1.46
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	1	1.46
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	1	1.46
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	1	1.46
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	1	1.46
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	1	1.46
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	1	1.46
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	1	1.46
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	1	1.46
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	1	1.46
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	1	1.46
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	1	1.46
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	1	1.46
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	1	1.46
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	1	1.46
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	7	1.46
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	7	1.46
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	7	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	7	1.46
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	7	1.46
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	7	1.46
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	7	1.46
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	7	1.46
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	7	1.46
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	9	1.46
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	9	1.46
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	9	1.46
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	9	1.46
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	9	1.46
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	9	1.46
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	9	1.46
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	9	1.46
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	9	1.46
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	9	1.46
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	9	1.46
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	9	1.46
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	9	1.46
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	9	1.46
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	9	1.46
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	9	1.46
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	9	1.46
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	9	1.46
(1,304)	1:16:A:VAL:HG11	1:17:A:GLN:HB2	1	1.46
(1,304)	1:16:A:VAL:HG12	1:17:A:GLN:HB2	1	1.46
(1,304)	1:16:A:VAL:HG13	1:17:A:GLN:HB2	1	1.46
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	15	1.46
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	15	1.46
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	15	1.46
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	15	1.46
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	15	1.46
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	15	1.46
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	12	1.46
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	12	1.46
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	12	1.46
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	18	1.46
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	12	1.45
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	12	1.45
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	15	1.45
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	15	1.45
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	15	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	5	1.45
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	5	1.45
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	5	1.45
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	12	1.45
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	12	1.45
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	12	1.45
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	2	1.45
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	2	1.45
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	2	1.45
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	2	1.45
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	2	1.45
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	2	1.45
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	2	1.45
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	2	1.45
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	2	1.45
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	14	1.45
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	14	1.45
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	14	1.45
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	14	1.45
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	14	1.45
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	14	1.45
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	14	1.45
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	14	1.45
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	14	1.45
(1,392)	1:102:A:ARG:HG3	1:103:A:MET:HA	10	1.45
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	15	1.45
(1,304)	1:16:A:VAL:HG11	1:17:A:GLN:HB2	11	1.45
(1,304)	1:16:A:VAL:HG12	1:17:A:GLN:HB2	11	1.45
(1,304)	1:16:A:VAL:HG13	1:17:A:GLN:HB2	11	1.45
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	7	1.45
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	7	1.45
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	7	1.45
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	7	1.45
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	7	1.45
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	7	1.45
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	8	1.45
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	8	1.45
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	8	1.45
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	5	1.44
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	5	1.44
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG11	4	1.44
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG12	4	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG13	4	1.44
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG11	4	1.44
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG12	4	1.44
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG13	4	1.44
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	20	1.44
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	20	1.44
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	11	1.44
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	11	1.44
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	11	1.44
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	12	1.44
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	12	1.44
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	12	1.44
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	15	1.44
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	17	1.44
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	17	1.44
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	17	1.44
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	4	1.44
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	4	1.44
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	4	1.44
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	7	1.44
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	7	1.44
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	7	1.44
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	7	1.44
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	7	1.44
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	7	1.44
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	2	1.44
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	2	1.44
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	2	1.44
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	2	1.44
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	2	1.44
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	2	1.44
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	2	1.44
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	2	1.44
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	2	1.44
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	13	1.44
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	13	1.44
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	13	1.44
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	19	1.44
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	19	1.44
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	19	1.44
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	19	1.44
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	19	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	19	1.44
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	19	1.44
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	19	1.44
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	19	1.44
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	19	1.44
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	19	1.44
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	19	1.44
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	19	1.44
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	19	1.44
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	19	1.44
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	19	1.44
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	19	1.44
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	19	1.44
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD11	1	1.44
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD12	1	1.44
(1,451)	1:72:A:LEU:HD11	1:73:A:LEU:HD13	1	1.44
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD11	1	1.44
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD12	1	1.44
(1,451)	1:72:A:LEU:HD12	1:73:A:LEU:HD13	1	1.44
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD11	1	1.44
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD12	1	1.44
(1,451)	1:72:A:LEU:HD13	1:73:A:LEU:HD13	1	1.44
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	19	1.44
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	19	1.44
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	19	1.44
(1,333)	1:99:A:PHE:HD1	1:100:A:SER:HB3	9	1.44
(1,333)	1:99:A:PHE:HD2	1:100:A:SER:HB3	17	1.44
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	3	1.44
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	3	1.44
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	3	1.44
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	3	1.44
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	15	1.44
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	15	1.44
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	15	1.44
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	15	1.44
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	15	1.44
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	15	1.44
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	2	1.43
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	2	1.43
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	10	1.43
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	10	1.43
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	10	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	10	1.43
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	10	1.43
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	10	1.43
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	10	1.43
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	10	1.43
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	10	1.43
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	10	1.43
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	10	1.43
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	10	1.43
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	2	1.43
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	2	1.43
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	11	1.43
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	11	1.43
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	15	1.43
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	15	1.43
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	15	1.43
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	15	1.43
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	15	1.43
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	15	1.43
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	15	1.43
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	15	1.43
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	15	1.43
(1,392)	1:102:A:ARG:HG3	1:103:A:MET:HA	11	1.43
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	18	1.43
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	18	1.43
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	5	1.42
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	5	1.42
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	5	1.42
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	5	1.42
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	7	1.42
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	7	1.42
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	7	1.42
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	18	1.42
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	18	1.42
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	18	1.42
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	6	1.42
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	6	1.42
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	6	1.42
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	6	1.42
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	6	1.42
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	6	1.42
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	6	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	6	1.42
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	6	1.42
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	6	1.42
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	6	1.42
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	6	1.42
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	6	1.42
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	6	1.42
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	6	1.42
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	6	1.42
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	6	1.42
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	6	1.42
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	2	1.42
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	2	1.42
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	2	1.42
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	2	1.42
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	2	1.42
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	2	1.42
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	2	1.42
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	2	1.42
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	2	1.42
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG11	20	1.42
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG12	20	1.42
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG13	20	1.42
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	7	1.42
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	7	1.42
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	7	1.42
(1,67)	1:31:A:ARG:HA	1:33:A:ASP:HB2	18	1.42
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	14	1.42
(1,15)	1:42:A:VAL:HG21	1:43:A:TYR:HB3	9	1.42
(1,15)	1:42:A:VAL:HG22	1:43:A:TYR:HB3	9	1.42
(1,15)	1:42:A:VAL:HG23	1:43:A:TYR:HB3	9	1.42
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	15	1.41
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	15	1.41
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	8	1.41
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	8	1.41
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	8	1.41
(1,1446)	1:34:A:LYS:HG3	1:39:A:LYS:H	1	1.41
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	6	1.41
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	6	1.41
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	6	1.41
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	3	1.41
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	3	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	3	1.41
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	19	1.41
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	19	1.41
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	19	1.41
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	3	1.41
(1,783)	1:91:A:PHE:HE1	1:111:A:ASP:HA	15	1.41
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	2	1.41
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	2	1.41
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	2	1.41
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	8	1.41
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	8	1.41
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	8	1.41
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	12	1.41
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	12	1.41
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	12	1.41
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	13	1.41
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	13	1.41
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	13	1.41
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	13	1.41
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	13	1.41
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	13	1.41
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	13	1.41
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	13	1.41
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	13	1.41
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	13	1.41
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	5	1.41
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	5	1.41
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	8	1.41
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	8	1.41
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	8	1.41
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	6	1.41
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	6	1.41
(1,15)	1:42:A:VAL:HG21	1:43:A:TYR:HB3	17	1.41
(1,15)	1:42:A:VAL:HG22	1:43:A:TYR:HB3	17	1.41
(1,15)	1:42:A:VAL:HG23	1:43:A:TYR:HB3	17	1.41
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	10	1.4
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	10	1.4
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	10	1.4
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	10	1.4
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	17	1.4
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	17	1.4
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	17	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	6	1.4
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	6	1.4
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	6	1.4
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	8	1.4
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	8	1.4
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	8	1.4
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	7	1.4
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	7	1.4
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	7	1.4
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	7	1.4
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	7	1.4
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	7	1.4
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	7	1.4
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	7	1.4
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	7	1.4
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	11	1.4
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	11	1.4
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	11	1.4
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	20	1.4
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG21	15	1.4
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG22	15	1.4
(1,353)	1:3:A:ILE:HG13	1:44:A:THR:HG23	15	1.4
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	7	1.4
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	7	1.4
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	7	1.4
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	15	1.4
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	10	1.4
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	15	1.4
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	5	1.4
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	5	1.4
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	5	1.4
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	5	1.4
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	5	1.4
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	5	1.4
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	12	1.4
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	12	1.4
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	12	1.4
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	12	1.4
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	12	1.4
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	12	1.4
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	14	1.39
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	17	1.39
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	17	1.39
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	17	1.39
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	17	1.39
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	17	1.39
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	17	1.39
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	17	1.39
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	17	1.39
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	17	1.39
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	17	1.39
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	17	1.39
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	17	1.39
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	17	1.39
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	17	1.39
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	9	1.39
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	5	1.39
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	14	1.39
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	14	1.39
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	14	1.39
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	14	1.39
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	14	1.39
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	14	1.39
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	14	1.39
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	14	1.39
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	14	1.39
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	14	1.39
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	14	1.39
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	14	1.39
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	10	1.39
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	12	1.39
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	12	1.39
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	3	1.39
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	3	1.39
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	16	1.39
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	16	1.39
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	16	1.39
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	3	1.39
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	3	1.39
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	3	1.39
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	3	1.39
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	3	1.39
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	3	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	3	1.39
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	3	1.39
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	3	1.39
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	5	1.39
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	14	1.39
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	1	1.39
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	1	1.39
(1,333)	1:99:A:PHE:HD1	1:100:A:SER:HB3	10	1.39
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD2	16	1.39
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD3	16	1.39
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	18	1.39
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	18	1.39
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	18	1.39
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	18	1.39
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	18	1.39
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	18	1.39
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	15	1.38
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	3	1.38
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	3	1.38
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	3	1.38
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	3	1.38
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	3	1.38
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	3	1.38
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	3	1.38
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	3	1.38
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	3	1.38
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	3	1.38
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	3	1.38
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	3	1.38
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	4	1.38
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	4	1.38
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	4	1.38
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	17	1.38
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	10	1.38
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	10	1.38
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	10	1.38
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE1	10	1.38
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE2	10	1.38
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE3	10	1.38
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE1	10	1.38
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE2	10	1.38
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE3	10	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	20	1.38
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	12	1.38
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	12	1.38
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	12	1.38
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	12	1.38
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	12	1.38
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	12	1.38
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	12	1.38
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	12	1.38
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	12	1.38
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	11	1.38
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	11	1.38
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	11	1.38
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	16	1.38
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD11	10	1.38
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD12	10	1.38
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD13	10	1.38
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	5	1.38
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	5	1.38
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	5	1.38
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	5	1.38
(1,223)	1:96:A:GLU:HB3	1:98:A:ASN:HB2	16	1.38
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	10	1.38
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	10	1.38
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	10	1.38
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	10	1.38
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	10	1.38
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	10	1.38
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	10	1.38
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	18	1.38
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	14	1.38
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	14	1.38
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	7	1.38
(1,30)	1:92:A:ASP:HB3	1:94:A:ALA:HA	13	1.38
(1,30)	1:92:A:ASP:HB3	1:94:A:ALA:HA	17	1.38
(1,15)	1:42:A:VAL:HG21	1:43:A:TYR:HB3	3	1.38
(1,15)	1:42:A:VAL:HG22	1:43:A:TYR:HB3	3	1.38
(1,15)	1:42:A:VAL:HG23	1:43:A:TYR:HB3	3	1.38
(1,15)	1:42:A:VAL:HG21	1:43:A:TYR:HB3	20	1.38
(1,15)	1:42:A:VAL:HG22	1:43:A:TYR:HB3	20	1.38
(1,15)	1:42:A:VAL:HG23	1:43:A:TYR:HB3	20	1.38
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	4	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	4	1.37
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	4	1.37
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	5	1.37
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	5	1.37
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	6	1.37
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	6	1.37
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	6	1.37
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	6	1.37
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	6	1.37
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	6	1.37
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	4	1.37
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	4	1.37
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	4	1.37
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	11	1.37
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	11	1.37
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	11	1.37
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	12	1.37
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	12	1.37
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	12	1.37
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG11	12	1.37
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG12	12	1.37
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG13	12	1.37
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	15	1.37
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	14	1.37
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	13	1.37
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	13	1.37
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	13	1.37
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	13	1.37
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	13	1.37
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	13	1.37
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG11	1	1.36
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG12	1	1.36
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG13	1	1.36
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG11	1	1.36
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG12	1	1.36
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG13	1	1.36
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG11	11	1.36
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG12	11	1.36
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG13	11	1.36
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG11	11	1.36
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG12	11	1.36
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG13	11	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	4	1.36
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	4	1.36
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	4	1.36
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	2	1.36
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	12	1.36
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	14	1.36
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	14	1.36
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	14	1.36
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	19	1.36
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	19	1.36
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	19	1.36
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	19	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	3	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	3	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	3	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	13	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	13	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	13	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	17	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	17	1.36
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	17	1.36
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	18	1.36
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	18	1.36
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	18	1.36
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	12	1.36
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	12	1.36
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	12	1.36
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	12	1.36
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	12	1.36
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	12	1.36
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	19	1.36
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	19	1.36
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	19	1.36
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	13	1.36
(1,783)	1:91:A:PHE:HE1	1:111:A:ASP:HA	14	1.36
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	15	1.36
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	15	1.36
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	15	1.36
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	18	1.36
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	18	1.36
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	13	1.36
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	13	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	13	1.36
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	11	1.36
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	11	1.36
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	11	1.36
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	11	1.36
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	11	1.36
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	11	1.36
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	11	1.36
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	11	1.36
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	11	1.36
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	9	1.36
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD11	18	1.36
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD12	18	1.36
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD13	18	1.36
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG11	9	1.36
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG12	9	1.36
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG13	9	1.36
(1,333)	1:99:A:PHE:HD1	1:100:A:SER:HB3	4	1.36
(1,309)	1:35:A:VAL:HG21	1:39:A:LYS:HD2	16	1.36
(1,309)	1:35:A:VAL:HG21	1:39:A:LYS:HD3	16	1.36
(1,309)	1:35:A:VAL:HG22	1:39:A:LYS:HD2	16	1.36
(1,309)	1:35:A:VAL:HG22	1:39:A:LYS:HD3	16	1.36
(1,309)	1:35:A:VAL:HG23	1:39:A:LYS:HD2	16	1.36
(1,309)	1:35:A:VAL:HG23	1:39:A:LYS:HD3	16	1.36
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	12	1.36
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	12	1.36
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	12	1.36
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	12	1.36
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	12	1.36
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	12	1.36
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG21	11	1.36
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG22	11	1.36
(1,81)	1:11:A:ASP:HB3	1:13:A:VAL:HG23	11	1.36
(1,15)	1:42:A:VAL:HG21	1:43:A:TYR:HB3	8	1.36
(1,15)	1:42:A:VAL:HG22	1:43:A:TYR:HB3	8	1.36
(1,15)	1:42:A:VAL:HG23	1:43:A:TYR:HB3	8	1.36
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	12	1.35
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	12	1.35
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	14	1.35
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	14	1.35
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HE2	19	1.35
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	4	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	4	1.35
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	1	1.35
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	1	1.35
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	1	1.35
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	1	1.35
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	1	1.35
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	1	1.35
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	13	1.35
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	13	1.35
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	13	1.35
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	13	1.35
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	13	1.35
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	13	1.35
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	13	1.35
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	13	1.35
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	13	1.35
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	13	1.35
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	13	1.35
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	13	1.35
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	17	1.35
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	17	1.35
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	17	1.35
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	18	1.35
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	18	1.35
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	18	1.35
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	14	1.35
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	3	1.35
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	6	1.35
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	6	1.35
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	6	1.35
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	17	1.35
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	8	1.35
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	8	1.35
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	8	1.35
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	2	1.35
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	2	1.35
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	2	1.35
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	14	1.35
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	14	1.35
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	14	1.35
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	6	1.35
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	6	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	6	1.35
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG21	3	1.35
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG22	3	1.35
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG23	3	1.35
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	3	1.35
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	3	1.35
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	3	1.35
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	3	1.35
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	3	1.35
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	3	1.35
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	3	1.35
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	3	1.35
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	3	1.35
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	3	1.35
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	3	1.35
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	3	1.35
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	3	1.35
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	3	1.35
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	3	1.35
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	3	1.35
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	3	1.35
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	3	1.35
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	4	1.35
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	4	1.35
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	4	1.35
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	19	1.35
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	19	1.35
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	19	1.35
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	3	1.35
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	6	1.35
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	8	1.35
(1,433)	1:64:A:LYS:HG3	1:67:A:GLN:HE22	15	1.35
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	1	1.35
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	5	1.35
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	10	1.35
(1,209)	1:87:A:THR:HB	1:89:A:TYR:H	20	1.35
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	20	1.35
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	10	1.35
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	19	1.35
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	19	1.35
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	19	1.35
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	19	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	19	1.35
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	19	1.35
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	17	1.34
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	17	1.34
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	18	1.34
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	15	1.34
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	15	1.34
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	15	1.34
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	15	1.34
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	15	1.34
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	15	1.34
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	15	1.34
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	15	1.34
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	15	1.34
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	15	1.34
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	15	1.34
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	15	1.34
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	5	1.34
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	5	1.34
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	5	1.34
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	8	1.34
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	8	1.34
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	8	1.34
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	15	1.34
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	15	1.34
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	15	1.34
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	2	1.34
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	2	1.34
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	2	1.34
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	14	1.34
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	2	1.34
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	12	1.34
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	6	1.34
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	6	1.34
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	7	1.34
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	7	1.34
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	7	1.34
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	6	1.34
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	6	1.34
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	6	1.34
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	6	1.34
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	6	1.34
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	6	1.34
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	9	1.34
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	13	1.34
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	1	1.33
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	1	1.33
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	1	1.33
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	16	1.33
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	16	1.33
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	6	1.33
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	7	1.33
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	7	1.33
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	7	1.33
(1,1517)	1:72:A:LEU:HD21	1:75:A:ASN:HD21	5	1.33
(1,1517)	1:72:A:LEU:HD22	1:75:A:ASN:HD21	5	1.33
(1,1517)	1:72:A:LEU:HD23	1:75:A:ASN:HD21	5	1.33
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	4	1.33
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	14	1.33
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	15	1.33
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	12	1.33
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	12	1.33
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	12	1.33
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	16	1.33
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	16	1.33
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	16	1.33
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	20	1.33
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	20	1.33
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	20	1.33
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	5	1.33
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	5	1.33
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	5	1.33
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	5	1.33
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	5	1.33
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	5	1.33
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	20	1.33
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	20	1.33
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	20	1.33
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	20	1.33
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	20	1.33
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	20	1.33
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	2	1.33
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	5	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	14	1.33
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	14	1.33
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	14	1.33
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	4	1.33
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	12	1.33
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	19	1.33
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	20	1.33
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	20	1.33
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	20	1.33
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG11	3	1.33
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG12	3	1.33
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG13	3	1.33
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	7	1.33
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	7	1.33
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	5	1.33
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	5	1.33
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	5	1.33
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	5	1.33
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	5	1.33
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	5	1.33
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	6	1.33
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	6	1.33
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	6	1.33
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	6	1.33
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	6	1.33
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	6	1.33
(1,30)	1:92:A:ASP:HB3	1:94:A:ALA:HA	20	1.33
(1,15)	1:42:A:VAL:HG21	1:43:A:TYR:HB3	12	1.33
(1,15)	1:42:A:VAL:HG22	1:43:A:TYR:HB3	12	1.33
(1,15)	1:42:A:VAL:HG23	1:43:A:TYR:HB3	12	1.33
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	3	1.32
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	3	1.32
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	12	1.32
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	12	1.32
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	12	1.32
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	12	1.32
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	12	1.32
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	12	1.32
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	12	1.32
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	12	1.32
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	12	1.32
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	12	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	12	1.32
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	12	1.32
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	11	1.32
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	13	1.32
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	13	1.32
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	13	1.32
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	14	1.32
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	14	1.32
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	14	1.32
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	11	1.32
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	11	1.32
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	11	1.32
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	11	1.32
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	11	1.32
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	11	1.32
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG11	17	1.32
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG12	17	1.32
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG13	17	1.32
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	4	1.32
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	9	1.32
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	1	1.31
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	1	1.31
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	1	1.31
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	3	1.31
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	3	1.31
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	3	1.31
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	20	1.31
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	20	1.31
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	20	1.31
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	5	1.31
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	7	1.31
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	8	1.31
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	10	1.31
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	9	1.31
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	9	1.31
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	9	1.31
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	2	1.31
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	2	1.31
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	2	1.31
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	2	1.31
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	2	1.31
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	2	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	3	1.31
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	3	1.31
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	3	1.31
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	3	1.31
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	3	1.31
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	3	1.31
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	4	1.31
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	5	1.31
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	5	1.31
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	2	1.31
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	2	1.31
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	8	1.31
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	8	1.31
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	20	1.31
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	20	1.31
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	19	1.31
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	19	1.31
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	19	1.31
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	1	1.31
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	1	1.31
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	1	1.31
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	1	1.31
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	1	1.31
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	1	1.31
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	15	1.31
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	15	1.31
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	12	1.31
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	16	1.31
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	2	1.3
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	2	1.3
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	2	1.3
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	9	1.3
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	13	1.3
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	6	1.3
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	6	1.3
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	6	1.3
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	1	1.3
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	1	1.3
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	1	1.3
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	19	1.3
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	19	1.3
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	19	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	16	1.3
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	17	1.3
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	9	1.3
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	1	1.3
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	1	1.3
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	5	1.3
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	5	1.3
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	7	1.3
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	7	1.3
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	9	1.3
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	9	1.3
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	15	1.3
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	15	1.3
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	20	1.3
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	20	1.3
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	20	1.3
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	10	1.3
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	10	1.3
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	10	1.3
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	20	1.3
(1,333)	1:99:A:PHE:HD1	1:100:A:SER:HB3	16	1.3
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	20	1.3
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	20	1.3
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	20	1.3
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	20	1.3
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	20	1.3
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	20	1.3
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	10	1.29
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	10	1.29
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	10	1.29
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	2	1.29
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	2	1.29
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	3	1.29
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	3	1.29
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	11	1.29
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	2	1.29
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	2	1.29
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	2	1.29
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	2	1.29
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	2	1.29
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	2	1.29
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	7	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	7	1.29
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	7	1.29
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	7	1.29
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	7	1.29
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	7	1.29
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	7	1.29
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	7	1.29
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	7	1.29
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	7	1.29
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	7	1.29
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	7	1.29
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	17	1.29
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	16	1.29
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	16	1.29
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	16	1.29
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	15	1.29
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	15	1.29
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	15	1.29
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	1	1.29
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	14	1.29
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	3	1.29
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	11	1.29
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	13	1.29
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	13	1.29
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	13	1.29
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	4	1.29
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	4	1.29
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	4	1.29
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	6	1.29
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	6	1.29
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	17	1.29
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	17	1.29
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	19	1.29
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	19	1.29
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	2	1.29
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	2	1.29
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	2	1.29
(1,499)	1:80:A:LEU:HD21	1:83:A:TRP:HE1	16	1.29
(1,499)	1:80:A:LEU:HD22	1:83:A:TRP:HE1	16	1.29
(1,499)	1:80:A:LEU:HD23	1:83:A:TRP:HE1	16	1.29
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	1	1.29
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	7	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	10	1.29
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	18	1.29
(1,189)	1:21:A:ASN:HD22	1:44:A:THR:HB	8	1.29
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	15	1.29
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	7	1.29
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	7	1.29
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	7	1.29
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	7	1.29
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	7	1.29
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	7	1.29
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	18	1.28
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	18	1.28
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	18	1.28
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	5	1.28
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	5	1.28
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	5	1.28
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	5	1.28
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	5	1.28
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	5	1.28
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	5	1.28
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	5	1.28
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	5	1.28
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	5	1.28
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	5	1.28
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	5	1.28
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	20	1.28
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	20	1.28
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	20	1.28
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	20	1.28
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	20	1.28
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	20	1.28
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	20	1.28
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	20	1.28
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	20	1.28
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	20	1.28
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	20	1.28
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	20	1.28
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	4	1.28
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	18	1.28
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	1	1.28
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	1	1.28
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	1	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB1	2	1.28
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB2	2	1.28
(1,936)	1:51:A:VAL:H	1:55:A:ALA:HB3	2	1.28
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	1	1.28
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	1	1.28
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	3	1.28
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	3	1.28
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	10	1.28
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	10	1.28
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	10	1.28
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	10	1.28
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	11	1.28
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	11	1.28
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	12	1.28
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	12	1.28
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	14	1.28
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	14	1.28
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	16	1.28
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	16	1.28
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	5	1.28
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	5	1.28
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	5	1.28
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	5	1.28
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	5	1.28
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	5	1.28
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	5	1.28
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	5	1.28
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	5	1.28
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	5	1.28
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	5	1.28
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	5	1.28
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	5	1.28
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	5	1.28
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	5	1.28
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	5	1.28
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	5	1.28
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	5	1.28
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	14	1.28
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	14	1.28
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	14	1.28
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	14	1.28
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	14	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	14	1.28
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	14	1.28
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	14	1.28
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	14	1.28
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	14	1.28
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	14	1.28
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	14	1.28
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	14	1.28
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	14	1.28
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	14	1.28
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	14	1.28
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	14	1.28
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	14	1.28
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	4	1.28
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	4	1.28
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	4	1.28
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	7	1.28
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	7	1.28
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	7	1.28
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG21	9	1.28
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG22	9	1.28
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG23	9	1.28
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	15	1.28
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	15	1.28
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	15	1.28
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	15	1.28
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	15	1.28
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	15	1.28
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD21	17	1.28
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD22	17	1.28
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD23	17	1.28
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD21	17	1.28
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD22	17	1.28
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD23	17	1.28
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD21	17	1.28
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD22	17	1.28
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD23	17	1.28
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	2	1.28
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	18	1.28
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	1	1.28
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	2	1.28
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	20	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	20	1.27
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	17	1.27
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	17	1.27
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	17	1.27
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	1	1.27
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	4	1.27
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	19	1.27
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	20	1.27
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	20	1.27
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	20	1.27
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	3	1.27
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	3	1.27
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	3	1.27
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	13	1.27
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	13	1.27
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG21	4	1.27
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG22	4	1.27
(1,625)	1:21:A:ASN:HD21	1:42:A:VAL:HG23	4	1.27
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	17	1.27
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	17	1.27
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	17	1.27
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	17	1.27
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	17	1.27
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	17	1.27
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	17	1.27
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	17	1.27
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	17	1.27
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	5	1.27
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	10	1.27
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	15	1.27
(1,242)	1:46:A:GLU:HB3	1:49:A:THR:H	11	1.27
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	3	1.27
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	3	1.27
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	3	1.27
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	3	1.27
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	3	1.27
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	3	1.27
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	4	1.27
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	15	1.27
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	15	1.27
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	15	1.27
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	15	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	15	1.27
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	15	1.27
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	3	1.27
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	5	1.27
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	1	1.27
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	1	1.27
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	1	1.27
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	1	1.27
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	1	1.27
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	1	1.27
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	1	1.26
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	1	1.26
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	1	1.26
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	1	1.26
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	1	1.26
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	1	1.26
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	1	1.26
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	1	1.26
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	1	1.26
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	1	1.26
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	1	1.26
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	1	1.26
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	18	1.26
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	18	1.26
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	18	1.26
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	4	1.26
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	4	1.26
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	4	1.26
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	5	1.26
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	5	1.26
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	5	1.26
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	13	1.26
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	13	1.26
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	7	1.26
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	7	1.26
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	7	1.26
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	9	1.26
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	9	1.26
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	9	1.26
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	16	1.26
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	16	1.26
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	16	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	19	1.26
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	19	1.26
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	19	1.26
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	8	1.26
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	8	1.26
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	11	1.26
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	12	1.26
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	12	1.26
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	12	1.26
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	12	1.26
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	19	1.26
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	19	1.26
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	19	1.26
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	19	1.26
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	19	1.26
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	19	1.26
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	15	1.26
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	2	1.26
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	2	1.26
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	6	1.25
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	6	1.25
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	8	1.25
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	8	1.25
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	7	1.25
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	7	1.25
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	7	1.25
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	7	1.25
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	7	1.25
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	7	1.25
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	15	1.25
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	4	1.25
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	8	1.25
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	19	1.25
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	19	1.25
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	19	1.25
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	7	1.25
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	9	1.25
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD1	4	1.25
(1,730)	1:50:A:GLU:HA	1:54:A:PHE:HD2	4	1.25
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	18	1.25
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	18	1.25
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	18	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	17	1.25
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	15	1.25
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	20	1.25
(1,242)	1:46:A:GLU:HB3	1:49:A:THR:H	10	1.25
(1,103)	1:91:A:PHE:HD2	1:97:A:GLU:HG2	6	1.25
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	20	1.25
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	4	1.24
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	4	1.24
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	20	1.24
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	14	1.24
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	14	1.24
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	14	1.24
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	14	1.24
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	14	1.24
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	14	1.24
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	18	1.24
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	18	1.24
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	18	1.24
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	14	1.24
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	2	1.24
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	13	1.24
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	18	1.24
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	18	1.24
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	18	1.24
(1,783)	1:91:A:PHE:HE1	1:111:A:ASP:HA	19	1.24
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG2	6	1.24
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG3	6	1.24
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG2	6	1.24
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG3	6	1.24
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG2	6	1.24
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG3	6	1.24
(1,627)	1:42:A:VAL:HG21	1:43:A:TYR:HA	17	1.24
(1,627)	1:42:A:VAL:HG22	1:43:A:TYR:HA	17	1.24
(1,627)	1:42:A:VAL:HG23	1:43:A:TYR:HA	17	1.24
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	11	1.24
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	11	1.24
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	11	1.24
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	5	1.24
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	5	1.24
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	1	1.24
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	17	1.24
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	8	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	8	1.23
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	8	1.23
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	10	1.23
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	10	1.23
(1,1523)	1:72:A:LEU:HD11	1:75:A:ASN:HD22	20	1.23
(1,1523)	1:72:A:LEU:HD12	1:75:A:ASN:HD22	20	1.23
(1,1523)	1:72:A:LEU:HD13	1:75:A:ASN:HD22	20	1.23
(1,1488)	1:12:A:THR:H	1:13:A:VAL:HG21	17	1.23
(1,1488)	1:12:A:THR:H	1:13:A:VAL:HG22	17	1.23
(1,1488)	1:12:A:THR:H	1:13:A:VAL:HG23	17	1.23
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	18	1.23
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	18	1.23
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	18	1.23
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	18	1.23
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	18	1.23
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	18	1.23
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	11	1.23
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG11	19	1.23
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG12	19	1.23
(1,577)	1:54:A:PHE:HD1	1:58:A:VAL:HG13	19	1.23
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG11	19	1.23
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG12	19	1.23
(1,577)	1:54:A:PHE:HD2	1:58:A:VAL:HG13	19	1.23
(1,499)	1:80:A:LEU:HD21	1:83:A:TRP:HE1	15	1.23
(1,499)	1:80:A:LEU:HD22	1:83:A:TRP:HE1	15	1.23
(1,499)	1:80:A:LEU:HD23	1:83:A:TRP:HE1	15	1.23
(1,439)	1:42:A:VAL:HA	1:44:A:THR:HA	9	1.23
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	8	1.23
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	7	1.23
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	2	1.23
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	2	1.23
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	3	1.23
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	3	1.23
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	14	1.23
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	14	1.23
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	10	1.23
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	11	1.22
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	11	1.22
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	7	1.22
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	7	1.22
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD2	8	1.22
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	16	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	16	1.22
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	16	1.22
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	16	1.22
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	16	1.22
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	16	1.22
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	16	1.22
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	16	1.22
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	16	1.22
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	16	1.22
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	16	1.22
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	16	1.22
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	2	1.22
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	2	1.22
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	2	1.22
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	18	1.22
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	20	1.22
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	9	1.22
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	9	1.22
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	9	1.22
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	9	1.22
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	9	1.22
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	9	1.22
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	6	1.22
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	12	1.22
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	6	1.22
(1,627)	1:42:A:VAL:HG21	1:43:A:TYR:HA	3	1.22
(1,627)	1:42:A:VAL:HG22	1:43:A:TYR:HA	3	1.22
(1,627)	1:42:A:VAL:HG23	1:43:A:TYR:HA	3	1.22
(1,627)	1:42:A:VAL:HG21	1:43:A:TYR:HA	9	1.22
(1,627)	1:42:A:VAL:HG22	1:43:A:TYR:HA	9	1.22
(1,627)	1:42:A:VAL:HG23	1:43:A:TYR:HA	9	1.22
(1,627)	1:42:A:VAL:HG21	1:43:A:TYR:HA	20	1.22
(1,627)	1:42:A:VAL:HG22	1:43:A:TYR:HA	20	1.22
(1,627)	1:42:A:VAL:HG23	1:43:A:TYR:HA	20	1.22
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	1	1.22
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	1	1.22
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	1	1.22
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	1	1.22
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	1	1.22
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	1	1.22
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	1	1.22
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	1	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	1	1.22
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG11	4	1.22
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG12	4	1.22
(1,529)	1:59:A:ALA:HB1	1:63:A:VAL:HG13	4	1.22
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG11	4	1.22
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG12	4	1.22
(1,529)	1:59:A:ALA:HB2	1:63:A:VAL:HG13	4	1.22
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG11	4	1.22
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG12	4	1.22
(1,529)	1:59:A:ALA:HB3	1:63:A:VAL:HG13	4	1.22
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	20	1.22
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	2	1.22
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	3	1.22
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	5	1.22
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	14	1.22
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	16	1.22
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	8	1.22
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	8	1.22
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	16	1.22
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	16	1.22
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	12	1.21
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	12	1.21
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG11	19	1.21
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG12	19	1.21
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG13	19	1.21
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG11	19	1.21
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG12	19	1.21
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG13	19	1.21
(1,1684)	1:50:A:GLU:HA	1:99:A:PHE:HE2	19	1.21
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	2	1.21
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	2	1.21
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	2	1.21
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	2	1.21
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	2	1.21
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	2	1.21
(1,1496)	1:23:A:ARG:HG3	1:41:A:SER:H	3	1.21
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	6	1.21
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	6	1.21
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	6	1.21
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	6	1.21
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	13	1.21
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	14	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	17	1.21
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	17	1.21
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	17	1.21
(1,868)	1:24:A:ILE:H	1:41:A:SER:HB3	5	1.21
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	16	1.21
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	10	1.21
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	10	1.21
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	10	1.21
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	20	1.21
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	20	1.21
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	20	1.21
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	6	1.21
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	10	1.21
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	4	1.21
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	6	1.21
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	9	1.21
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	12	1.21
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	13	1.21
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	17	1.21
(1,403)	1:16:A:VAL:HA	1:17:A:GLN:HB2	19	1.21
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	13	1.21
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	7	1.2
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	7	1.2
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	7	1.2
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	13	1.2
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	13	1.2
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	6	1.2
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	6	1.2
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	1	1.2
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	1	1.2
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	1	1.2
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	1	1.2
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	1	1.2
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	1	1.2
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	11	1.2
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	11	1.2
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	11	1.2
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	11	1.2
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	11	1.2
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	11	1.2
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	19	1.2
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	19	1.2
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	19	1.2
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	19	1.2
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	19	1.2
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	13	1.2
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	13	1.2
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	13	1.2
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	19	1.2
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	2	1.2
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	12	1.2
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	14	1.2
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	14	1.2
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	14	1.2
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	5	1.2
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	5	1.2
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	5	1.2
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	4	1.2
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	4	1.2
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	4	1.2
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	4	1.2
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	4	1.2
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	4	1.2
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	4	1.2
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	4	1.2
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	4	1.2
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	4	1.2
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	4	1.2
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	4	1.2
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	4	1.2
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	4	1.2
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	4	1.2
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	4	1.2
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	4	1.2
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	4	1.2
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	13	1.2
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	13	1.2
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	13	1.2
(1,627)	1:42:A:VAL:HG21	1:43:A:TYR:HA	8	1.2
(1,627)	1:42:A:VAL:HG22	1:43:A:TYR:HA	8	1.2
(1,627)	1:42:A:VAL:HG23	1:43:A:TYR:HA	8	1.2
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG2	5	1.2
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG3	5	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG2	5	1.2
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG3	5	1.2
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG2	5	1.2
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG3	5	1.2
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	8	1.2
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	8	1.2
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	8	1.2
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	8	1.2
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	8	1.2
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	8	1.2
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	11	1.2
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	11	1.2
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	11	1.2
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	10	1.2
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	14	1.2
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	20	1.2
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	11	1.2
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	19	1.2
(1,260)	1:23:A:ARG:HG3	1:41:A:SER:HB2	2	1.2
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	18	1.2
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	14	1.2
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	14	1.2
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	14	1.2
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	14	1.2
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	4	1.2
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	4	1.2
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	4	1.2
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	4	1.2
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	4	1.2
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	4	1.2
(1,103)	1:91:A:PHE:HD1	1:97:A:GLU:HG2	11	1.2
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	20	1.19
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	20	1.19
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	20	1.19
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD1	11	1.19
(1,1726)	1:83:A:TRP:HZ3	1:88:A:PHE:HD2	11	1.19
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	13	1.19
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	13	1.19
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	13	1.19
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	13	1.19
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	18	1.19
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	4	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	4	1.19
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	4	1.19
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	4	1.19
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	4	1.19
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	4	1.19
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	20	1.19
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE1	17	1.19
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE2	17	1.19
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE3	17	1.19
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE1	17	1.19
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE2	17	1.19
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE3	17	1.19
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	3	1.19
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	19	1.19
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	19	1.19
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	1	1.19
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	1	1.19
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	1	1.19
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	9	1.19
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	9	1.19
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	9	1.19
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	7	1.19
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	7	1.19
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	7	1.19
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	7	1.19
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	7	1.19
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	7	1.19
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	7	1.19
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	7	1.19
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	7	1.19
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	13	1.19
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	13	1.19
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	13	1.19
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	12	1.19
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	12	1.19
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	12	1.19
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	12	1.19
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	12	1.19
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	12	1.19
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	9	1.19
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG11	12	1.19
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG12	12	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG13	12	1.19
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	7	1.19
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	18	1.19
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	18	1.19
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	18	1.19
(1,103)	1:91:A:PHE:HD2	1:97:A:GLU:HG2	17	1.19
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	4	1.19
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	4	1.19
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	4	1.19
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	4	1.19
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	4	1.19
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	4	1.19
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	11	1.18
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	11	1.18
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	12	1.18
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	12	1.18
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	4	1.18
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	4	1.18
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	4	1.18
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	4	1.18
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	4	1.18
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	4	1.18
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	18	1.18
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	18	1.18
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	18	1.18
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	18	1.18
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	18	1.18
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	18	1.18
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	6	1.18
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	6	1.18
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	6	1.18
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	6	1.18
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	6	1.18
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	6	1.18
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	6	1.18
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	6	1.18
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	6	1.18
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	6	1.18
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	6	1.18
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	6	1.18
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	13	1.18
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	13	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	13	1.18
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	15	1.18
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	11	1.18
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	11	1.18
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	11	1.18
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	9	1.18
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	9	1.18
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	9	1.18
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	2	1.18
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	2	1.18
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	2	1.18
(1,627)	1:42:A:VAL:HG21	1:43:A:TYR:HA	12	1.18
(1,627)	1:42:A:VAL:HG22	1:43:A:TYR:HA	12	1.18
(1,627)	1:42:A:VAL:HG23	1:43:A:TYR:HA	12	1.18
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG2	4	1.18
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG3	4	1.18
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG2	4	1.18
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG3	4	1.18
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG2	4	1.18
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG3	4	1.18
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG2	7	1.18
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG3	7	1.18
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG2	7	1.18
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG3	7	1.18
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG2	7	1.18
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG3	7	1.18
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	1	1.18
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	4	1.18
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	8	1.18
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG11	10	1.18
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG12	10	1.18
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG13	10	1.18
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	6	1.18
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	6	1.18
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	6	1.18
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	13	1.18
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	13	1.18
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	13	1.18
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	13	1.18
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	13	1.18
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	13	1.18
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	17	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	17	1.17
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	17	1.17
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	11	1.17
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	11	1.17
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	11	1.17
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	17	1.17
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	1	1.17
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	1	1.17
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	1	1.17
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	10	1.17
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	10	1.17
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	10	1.17
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	10	1.17
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	10	1.17
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	10	1.17
(1,1238)	1:14:A:TRP:HZ3	1:20:A:LYS:H	10	1.17
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	11	1.17
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	6	1.17
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD11	9	1.17
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD12	9	1.17
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD13	9	1.17
(1,983)	1:62:A:VAL:H	1:65:A:THR:HB	12	1.17
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	7	1.17
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	7	1.17
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	7	1.17
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	18	1.17
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	18	1.17
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	6	1.17
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	6	1.17
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	6	1.17
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG21	8	1.17
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG22	8	1.17
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG23	8	1.17
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	17	1.17
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	17	1.17
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	17	1.17
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	11	1.17
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	13	1.17
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	16	1.17
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	16	1.17
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	15	1.16
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	15	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	15	1.16
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	16	1.16
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	16	1.16
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	16	1.16
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	12	1.16
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	12	1.16
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	12	1.16
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	4	1.16
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	4	1.16
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	10	1.16
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	10	1.16
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD11	9	1.16
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD12	9	1.16
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD13	9	1.16
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD11	9	1.16
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD12	9	1.16
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD13	9	1.16
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	20	1.16
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	20	1.16
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	20	1.16
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	20	1.16
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	20	1.16
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	20	1.16
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	10	1.16
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	10	1.16
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	10	1.16
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	10	1.16
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	10	1.16
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	10	1.16
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	15	1.16
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	15	1.16
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	15	1.16
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	15	1.16
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	15	1.16
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	15	1.16
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	16	1.16
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	16	1.16
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	16	1.16
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	16	1.16
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	16	1.16
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	16	1.16
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	11	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	11	1.16
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	11	1.16
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	19	1.16
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	9	1.16
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	9	1.16
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	9	1.16
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	10	1.16
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	10	1.16
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	10	1.16
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	17	1.16
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	15	1.16
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	20	1.16
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	14	1.16
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	14	1.16
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	14	1.16
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	14	1.16
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	14	1.16
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	14	1.16
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	13	1.16
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	13	1.16
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	13	1.16
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	13	1.16
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	13	1.16
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	13	1.16
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	12	1.16
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	12	1.16
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	12	1.16
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	12	1.16
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	12	1.16
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	12	1.16
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	12	1.16
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	12	1.16
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	12	1.16
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	12	1.16
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	12	1.16
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	12	1.16
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	12	1.16
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	12	1.16
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	12	1.16
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	12	1.16
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	12	1.16
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	12	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	18	1.16
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	18	1.16
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	18	1.16
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	11	1.16
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	11	1.16
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	11	1.16
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	4	1.16
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	4	1.16
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	4	1.16
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	1	1.16
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	1	1.16
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	1	1.16
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	7	1.16
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	15	1.16
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	15	1.16
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	15	1.16
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	15	1.16
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	15	1.16
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	15	1.16
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	10	1.16
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	12	1.16
(1,88)	1:6:A:VAL:HG11	1:8:A:PHE:HB3	16	1.16
(1,88)	1:6:A:VAL:HG12	1:8:A:PHE:HB3	16	1.16
(1,88)	1:6:A:VAL:HG13	1:8:A:PHE:HB3	16	1.16
(1,88)	1:6:A:VAL:HG21	1:8:A:PHE:HB3	16	1.16
(1,88)	1:6:A:VAL:HG22	1:8:A:PHE:HB3	16	1.16
(1,88)	1:6:A:VAL:HG23	1:8:A:PHE:HB3	16	1.16
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	11	1.16
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	11	1.16
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	8	1.16
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	7	1.15
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	7	1.15
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	7	1.15
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	7	1.15
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	7	1.15
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	7	1.15
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	3	1.15
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	7	1.15
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	7	1.15
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	7	1.15
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	20	1.15
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	4	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	4	1.15
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	4	1.15
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	5	1.15
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	5	1.15
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	5	1.15
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	10	1.15
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	10	1.15
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	10	1.15
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	10	1.15
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	10	1.15
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	10	1.15
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	17	1.15
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	17	1.15
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	17	1.15
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	17	1.15
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	17	1.15
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	17	1.15
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	12	1.15
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	3	1.15
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	17	1.15
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	14	1.15
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	14	1.15
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	4	1.15
(1,161)	1:29:A:ASP:H	1:32:A:VAL:HB	8	1.15
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	2	1.15
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	2	1.15
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	2	1.15
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	2	1.15
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	2	1.15
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	2	1.15
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	14	1.15
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	14	1.15
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	14	1.15
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	14	1.15
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	14	1.15
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	14	1.15
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	14	1.15
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	14	1.15
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	14	1.15
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	14	1.15
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	14	1.15
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	14	1.15
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	12	1.15
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	15	1.15
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG11	3	1.15
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG12	3	1.15
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG13	3	1.15
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	16	1.14
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	16	1.14
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	9	1.14
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	9	1.14
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	9	1.14
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	9	1.14
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	9	1.14
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	9	1.14
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	17	1.14
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	17	1.14
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	17	1.14
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	17	1.14
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	17	1.14
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	17	1.14
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	3	1.14
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	9	1.14
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	16	1.14
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	10	1.14
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	17	1.14
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	17	1.14
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	17	1.14
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	17	1.14
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	17	1.14
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	17	1.14
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	18	1.14
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	18	1.14
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	18	1.14
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	8	1.14
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	10	1.14
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	10	1.14
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	10	1.14
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	2	1.14
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	2	1.14
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	2	1.14
(1,501)	1:80:A:LEU:HD21	1:83:A:TRP:H	9	1.14
(1,501)	1:80:A:LEU:HD22	1:83:A:TRP:H	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:80:A:LEU:HD23	1:83:A:TRP:H	9	1.14
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	17	1.14
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	2	1.14
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	19	1.14
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	4	1.14
(1,304)	1:16:A:VAL:HG11	1:17:A:GLN:HB2	3	1.14
(1,304)	1:16:A:VAL:HG12	1:17:A:GLN:HB2	3	1.14
(1,304)	1:16:A:VAL:HG13	1:17:A:GLN:HB2	3	1.14
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	12	1.14
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	9	1.14
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	9	1.14
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	9	1.14
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	9	1.14
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	9	1.14
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	9	1.14
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	11	1.14
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	11	1.14
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	11	1.14
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	11	1.14
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	11	1.14
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	11	1.14
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	20	1.14
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	20	1.14
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	20	1.14
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	20	1.14
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	20	1.14
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	20	1.14
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	11	1.14
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	3	1.14
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG11	10	1.14
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG12	10	1.14
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG13	10	1.14
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	6	1.13
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	6	1.13
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	6	1.13
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	7	1.13
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	7	1.13
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	7	1.13
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	19	1.13
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	19	1.13
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	10	1.13
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	10	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	9	1.13
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	9	1.13
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	16	1.13
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	16	1.13
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	2	1.13
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	2	1.13
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	2	1.13
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	2	1.13
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	2	1.13
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	2	1.13
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	2	1.13
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	2	1.13
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	2	1.13
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	2	1.13
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	2	1.13
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	2	1.13
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	8	1.13
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	8	1.13
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	8	1.13
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	17	1.13
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	13	1.13
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	13	1.13
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	13	1.13
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	6	1.13
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	6	1.13
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	6	1.13
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	13	1.13
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	2	1.13
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	11	1.13
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	11	1.13
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	11	1.13
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	15	1.13
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	15	1.13
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	15	1.13
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	17	1.13
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	17	1.13
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	17	1.13
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	8	1.13
(1,430)	1:34:A:LYS:HG3	1:38:A:GLU:HG2	2	1.13
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	16	1.13
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	1	1.13
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	1	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,304)	1:16:A:VAL:HG11	1:17:A:GLN:HB2	2	1.13
(1,304)	1:16:A:VAL:HG12	1:17:A:GLN:HB2	2	1.13
(1,304)	1:16:A:VAL:HG13	1:17:A:GLN:HB2	2	1.13
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	13	1.13
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	9	1.13
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	9	1.13
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	9	1.13
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	9	1.13
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	9	1.13
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	9	1.13
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	5	1.13
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	5	1.12
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	5	1.12
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	5	1.12
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	15	1.12
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	10	1.12
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	10	1.12
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	10	1.12
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	7	1.12
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	6	1.12
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	13	1.12
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	17	1.12
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	5	1.12
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	14	1.12
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	7	1.12
(1,666)	1:45:A:VAL:HG11	1:46:A:GLU:HB3	12	1.12
(1,666)	1:45:A:VAL:HG12	1:46:A:GLU:HB3	12	1.12
(1,666)	1:45:A:VAL:HG13	1:46:A:GLU:HB3	12	1.12
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG11	16	1.12
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG12	16	1.12
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG13	16	1.12
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG2	1	1.12
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG3	1	1.12
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG2	1	1.12
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG3	1	1.12
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG2	1	1.12
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG3	1	1.12
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	7	1.12
(1,304)	1:16:A:VAL:HG11	1:17:A:GLN:HB2	5	1.12
(1,304)	1:16:A:VAL:HG12	1:17:A:GLN:HB2	5	1.12
(1,304)	1:16:A:VAL:HG13	1:17:A:GLN:HB2	5	1.12
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	1	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	1	1.12
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	1	1.12
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	1	1.12
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	1	1.12
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	1	1.12
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	17	1.12
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	17	1.12
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	17	1.12
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	17	1.12
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	17	1.12
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	17	1.12
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	6	1.12
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	19	1.12
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	19	1.12
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	16	1.12
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	16	1.12
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	3	1.11
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	3	1.11
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	3	1.11
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	17	1.11
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	17	1.11
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	11	1.11
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	11	1.11
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	11	1.11
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	4	1.11
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	4	1.11
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	4	1.11
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	15	1.11
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	15	1.11
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	15	1.11
(1,1254)	1:102:A:ARG:HG3	1:104:A:TYR:H	18	1.11
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	3	1.11
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	17	1.11
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	4	1.11
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	6	1.11
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	9	1.11
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	12	1.11
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	19	1.11
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	11	1.11
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	11	1.11
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	11	1.11
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	11	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	11	1.11
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	11	1.11
(1,783)	1:91:A:PHE:HE2	1:111:A:ASP:HA	18	1.11
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	4	1.11
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	4	1.11
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	18	1.11
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	18	1.11
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	18	1.11
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	9	1.11
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	9	1.11
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	9	1.11
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	9	1.11
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	9	1.11
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	9	1.11
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	9	1.11
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	9	1.11
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	9	1.11
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG11	3	1.11
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG12	3	1.11
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG13	3	1.11
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG11	6	1.11
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG12	6	1.11
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG13	6	1.11
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	20	1.11
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	20	1.11
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	20	1.11
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	6	1.11
(1,304)	1:16:A:VAL:HG11	1:17:A:GLN:HB2	8	1.11
(1,304)	1:16:A:VAL:HG12	1:17:A:GLN:HB2	8	1.11
(1,304)	1:16:A:VAL:HG13	1:17:A:GLN:HB2	8	1.11
(1,304)	1:16:A:VAL:HG11	1:17:A:GLN:HB2	16	1.11
(1,304)	1:16:A:VAL:HG12	1:17:A:GLN:HB2	16	1.11
(1,304)	1:16:A:VAL:HG13	1:17:A:GLN:HB2	16	1.11
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	19	1.11
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	19	1.11
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	19	1.11
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	19	1.11
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	19	1.11
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	19	1.11
(1,191)	1:21:A:ASN:HB2	1:44:A:THR:HB	6	1.11
(1,191)	1:21:A:ASN:HB3	1:44:A:THR:HB	6	1.11
(1,49)	1:97:A:GLU:H	1:98:A:ASN:HB2	20	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	2	1.11
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	12	1.1
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	12	1.1
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	12	1.1
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	12	1.1
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	12	1.1
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	12	1.1
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	20	1.1
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	20	1.1
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	20	1.1
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	20	1.1
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	20	1.1
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	20	1.1
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	20	1.1
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	20	1.1
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	20	1.1
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	8	1.1
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	2	1.1
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	2	1.1
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	2	1.1
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	6	1.1
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	3	1.1
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	16	1.1
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	16	1.1
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	16	1.1
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	6	1.1
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	6	1.1
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	6	1.1
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	6	1.1
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	6	1.1
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	6	1.1
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	11	1.1
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	11	1.1
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	11	1.1
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	14	1.1
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	14	1.1
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	14	1.1
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	14	1.1
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD21	3	1.1
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD22	3	1.1
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD23	3	1.1
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD21	3	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD22	3	1.1
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD23	3	1.1
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD21	3	1.1
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD22	3	1.1
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD23	3	1.1
(1,566)	1:32:A:VAL:HG21	1:83:A:TRP:HZ3	11	1.1
(1,566)	1:32:A:VAL:HG22	1:83:A:TRP:HZ3	11	1.1
(1,566)	1:32:A:VAL:HG23	1:83:A:TRP:HZ3	11	1.1
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	15	1.1
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HE1	5	1.1
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	14	1.1
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	1	1.1
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	1	1.1
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	1	1.1
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	1	1.1
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	16	1.1
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	16	1.1
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	16	1.1
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	16	1.1
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	16	1.1
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	16	1.1
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	6	1.1
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	2	1.09
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	2	1.09
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	2	1.09
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	19	1.09
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	19	1.09
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	3	1.09
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	3	1.09
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	3	1.09
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	3	1.09
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	3	1.09
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	3	1.09
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	17	1.09
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	17	1.09
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	17	1.09
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	3	1.09
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	3	1.09
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	3	1.09
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	6	1.09
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	6	1.09
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	20	1.09
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	3	1.09
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	3	1.09
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	3	1.09
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	2	1.09
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	20	1.09
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	20	1.09
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	20	1.09
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	13	1.09
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	13	1.09
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	13	1.09
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	9	1.09
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	9	1.09
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	15	1.09
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	15	1.09
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	17	1.09
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	17	1.09
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	8	1.09
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	8	1.09
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	8	1.09
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	8	1.09
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	1	1.09
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	4	1.09
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	13	1.09
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	13	1.09
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	13	1.09
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	13	1.09
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	13	1.09
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	13	1.09
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG11	5	1.08
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG12	5	1.08
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG13	5	1.08
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG11	5	1.08
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG12	5	1.08
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG13	5	1.08
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	15	1.08
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	15	1.08
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	3	1.08
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	3	1.08
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	3	1.08
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	3	1.08
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	3	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	3	1.08
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	8	1.08
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	8	1.08
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	8	1.08
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	8	1.08
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	8	1.08
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	8	1.08
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	16	1.08
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	16	1.08
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	16	1.08
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	19	1.08
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	19	1.08
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	19	1.08
(1,1417)	1:93:A:ASP:H	1:100:A:SER:HB3	7	1.08
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	17	1.08
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	17	1.08
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	17	1.08
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	7	1.08
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	8	1.08
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	16	1.08
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	18	1.08
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG21	18	1.08
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG22	18	1.08
(1,744)	1:66:A:LEU:HA	1:69:A:VAL:HG23	18	1.08
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	16	1.08
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	16	1.08
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	16	1.08
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	16	1.08
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	16	1.08
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	16	1.08
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	16	1.08
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	16	1.08
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	16	1.08
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	2	1.08
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	2	1.08
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	2	1.08
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	13	1.08
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	13	1.08
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	13	1.08
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG11	5	1.08
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG12	5	1.08
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG13	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG21	5	1.08
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG22	5	1.08
(1,602)	1:6:A:VAL:HA	1:7:A:THR:HG23	5	1.08
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	1	1.08
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	8	1.08
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	8	1.08
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	8	1.08
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	8	1.08
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	8	1.08
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	8	1.08
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	6	1.08
(1,304)	1:16:A:VAL:HG11	1:17:A:GLN:HB2	14	1.08
(1,304)	1:16:A:VAL:HG12	1:17:A:GLN:HB2	14	1.08
(1,304)	1:16:A:VAL:HG13	1:17:A:GLN:HB2	14	1.08
(1,103)	1:91:A:PHE:HD2	1:97:A:GLU:HG2	16	1.08
(1,88)	1:6:A:VAL:HG11	1:8:A:PHE:HB3	4	1.08
(1,88)	1:6:A:VAL:HG12	1:8:A:PHE:HB3	4	1.08
(1,88)	1:6:A:VAL:HG13	1:8:A:PHE:HB3	4	1.08
(1,88)	1:6:A:VAL:HG21	1:8:A:PHE:HB3	4	1.08
(1,88)	1:6:A:VAL:HG22	1:8:A:PHE:HB3	4	1.08
(1,88)	1:6:A:VAL:HG23	1:8:A:PHE:HB3	4	1.08
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	2	1.08
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	10	1.07
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	10	1.07
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	15	1.07
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	15	1.07
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	20	1.07
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	20	1.07
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	20	1.07
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	20	1.07
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	20	1.07
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD11	19	1.07
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD12	19	1.07
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD13	19	1.07
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD11	19	1.07
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD12	19	1.07
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD13	19	1.07
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	13	1.07
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	13	1.07
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	13	1.07
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	13	1.07
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	13	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	13	1.07
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	2	1.07
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	13	1.07
(1,1496)	1:23:A:ARG:HG3	1:41:A:SER:H	12	1.07
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	4	1.07
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	4	1.07
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	4	1.07
(1,1417)	1:93:A:ASP:H	1:100:A:SER:HB3	5	1.07
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	16	1.07
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	16	1.07
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	16	1.07
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	12	1.07
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	12	1.07
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	15	1.07
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	1	1.07
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	1	1.07
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	9	1.07
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	9	1.07
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	9	1.07
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	9	1.07
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	9	1.07
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	9	1.07
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG11	13	1.07
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG12	13	1.07
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG13	13	1.07
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	18	1.07
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	18	1.07
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	18	1.07
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	18	1.07
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	18	1.07
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	18	1.07
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	2	1.07
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	2	1.07
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	2	1.07
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	14	1.07
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	14	1.07
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	14	1.07
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	17	1.07
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	17	1.07
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	17	1.07
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	2	1.07
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	3	1.07
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG11	4	1.07
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG12	4	1.07
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG13	4	1.07
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	12	1.07
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	3	1.07
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	3	1.07
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	3	1.07
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	3	1.07
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	3	1.07
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	3	1.07
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	7	1.07
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	17	1.07
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	17	1.07
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	11	1.06
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	11	1.06
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	16	1.06
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	16	1.06
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	16	1.06
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	10	1.06
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	10	1.06
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	15	1.06
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	15	1.06
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	15	1.06
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	12	1.06
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	12	1.06
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	12	1.06
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	18	1.06
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	18	1.06
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	18	1.06
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	15	1.06
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	12	1.06
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	12	1.06
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	12	1.06
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	13	1.06
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	13	1.06
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	13	1.06
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	13	1.06
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	13	1.06
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	13	1.06
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	13	1.06
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	13	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	13	1.06
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	4	1.06
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	4	1.06
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	4	1.06
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	1	1.06
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	1	1.06
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	1	1.06
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG11	1	1.06
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG12	1	1.06
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG13	1	1.06
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	4	1.06
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	4	1.06
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD2	13	1.06
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD3	13	1.06
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD2	13	1.06
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD3	13	1.06
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	13	1.06
(1,103)	1:91:A:PHE:HD1	1:97:A:GLU:HG2	12	1.06
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	10	1.06
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	10	1.06
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	1	1.06
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	1	1.06
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	1	1.06
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	1	1.06
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	1	1.06
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	1	1.06
(1,67)	1:31:A:ARG:HA	1:33:A:ASP:HB2	15	1.06
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	3	1.05
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	3	1.05
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	18	1.05
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	18	1.05
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	13	1.05
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	7	1.05
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	12	1.05
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	6	1.05
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	6	1.05
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	5	1.05
(1,1031)	1:13:A:VAL:H	1:14:A:TRP:HA	11	1.05
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	8	1.05
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	19	1.05
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	19	1.05
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	19	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	12	1.05
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	12	1.05
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	12	1.05
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	12	1.05
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	12	1.05
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	12	1.05
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	12	1.05
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	12	1.05
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	12	1.05
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	12	1.05
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	12	1.05
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	12	1.05
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	12	1.05
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	12	1.05
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	12	1.05
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	12	1.05
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	12	1.05
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	12	1.05
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	18	1.05
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	18	1.05
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	18	1.05
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	17	1.05
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	19	1.05
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	19	1.05
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	19	1.05
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	18	1.05
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	18	1.05
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	18	1.05
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	8	1.05
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	8	1.05
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	8	1.05
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	8	1.05
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	8	1.05
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	8	1.05
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	2	1.05
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	8	1.05
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	6	1.04
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	6	1.04
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	12	1.04
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	12	1.04
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	12	1.04
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	12	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	12	1.04
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	12	1.04
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	3	1.04
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	3	1.04
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	7	1.04
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	7	1.04
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	7	1.04
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	7	1.04
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	7	1.04
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	7	1.04
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	7	1.04
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	7	1.04
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	7	1.04
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	5	1.04
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	5	1.04
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	5	1.04
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	4	1.04
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	4	1.04
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	4	1.04
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	2	1.04
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	2	1.04
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	2	1.04
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	17	1.04
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	17	1.04
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	17	1.04
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	17	1.04
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	17	1.04
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	17	1.04
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	9	1.04
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	7	1.03
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	7	1.03
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	8	1.03
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	8	1.03
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE1	1	1.03
(1,1749)	1:19:A:TYR:H	1:19:A:TYR:HE2	1	1.03
(1,1523)	1:72:A:LEU:HD11	1:75:A:ASN:HD22	2	1.03
(1,1523)	1:72:A:LEU:HD12	1:75:A:ASN:HD22	2	1.03
(1,1523)	1:72:A:LEU:HD13	1:75:A:ASN:HD22	2	1.03
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	10	1.03
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	9	1.03
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	9	1.03
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	8	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	10	1.03
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	4	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	1	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	1	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	1	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	2	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	2	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	2	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	3	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	3	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	3	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	4	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	4	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	4	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	7	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	7	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	7	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	8	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	8	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	8	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	9	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	9	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	9	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	10	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	10	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	10	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	11	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	11	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	11	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	12	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	12	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	12	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	16	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	16	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	16	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	17	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	17	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	17	1.03
(1,752)	1:85:A:VAL:HG11	1:86:A:ALA:HA	19	1.03
(1,752)	1:85:A:VAL:HG12	1:86:A:ALA:HA	19	1.03
(1,752)	1:85:A:VAL:HG13	1:86:A:ALA:HA	19	1.03
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	7	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	7	1.03
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	7	1.03
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	7	1.03
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	7	1.03
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	7	1.03
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	7	1.03
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	7	1.03
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	7	1.03
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	7	1.03
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	7	1.03
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	7	1.03
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	7	1.03
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	7	1.03
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	7	1.03
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	7	1.03
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	7	1.03
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	7	1.03
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	1	1.03
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	1	1.03
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	1	1.03
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	1	1.03
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	1	1.03
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	1	1.03
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	1	1.03
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	1	1.03
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	1	1.03
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	2	1.03
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	2	1.03
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	2	1.03
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	9	1.03
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	9	1.03
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	9	1.03
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	4	1.03
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	17	1.03
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	17	1.03
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	17	1.03
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	17	1.03
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	2	1.03
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	2	1.03
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	2	1.03
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	2	1.03
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	18	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	1	1.02
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	1	1.02
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	1	1.02
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	5	1.02
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	5	1.02
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	5	1.02
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	5	1.02
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	5	1.02
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	5	1.02
(1,1496)	1:23:A:ARG:HG3	1:41:A:SER:H	10	1.02
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	10	1.02
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	10	1.02
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	10	1.02
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	5	1.02
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	2	1.02
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	2	1.02
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	2	1.02
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	2	1.02
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	2	1.02
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	2	1.02
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	9	1.02
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	9	1.02
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	9	1.02
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	9	1.02
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	9	1.02
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	9	1.02
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	12	1.02
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	16	1.02
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	16	1.02
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	16	1.02
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	4	1.02
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	4	1.02
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	4	1.02
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	9	1.02
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	9	1.02
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	9	1.02
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	9	1.02
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	9	1.02
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	9	1.02
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	9	1.02
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	9	1.02
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	9	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	9	1.02
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	9	1.02
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	9	1.02
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	9	1.02
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	9	1.02
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	9	1.02
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	9	1.02
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	9	1.02
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	9	1.02
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	16	1.02
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	16	1.02
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	16	1.02
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	16	1.02
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	16	1.02
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	16	1.02
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	16	1.02
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	16	1.02
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	16	1.02
(1,671)	1:22:A:VAL:HG11	1:45:A:VAL:HG21	10	1.02
(1,671)	1:22:A:VAL:HG11	1:45:A:VAL:HG22	10	1.02
(1,671)	1:22:A:VAL:HG11	1:45:A:VAL:HG23	10	1.02
(1,671)	1:22:A:VAL:HG12	1:45:A:VAL:HG21	10	1.02
(1,671)	1:22:A:VAL:HG12	1:45:A:VAL:HG22	10	1.02
(1,671)	1:22:A:VAL:HG12	1:45:A:VAL:HG23	10	1.02
(1,671)	1:22:A:VAL:HG13	1:45:A:VAL:HG21	10	1.02
(1,671)	1:22:A:VAL:HG13	1:45:A:VAL:HG22	10	1.02
(1,671)	1:22:A:VAL:HG13	1:45:A:VAL:HG23	10	1.02
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	5	1.02
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	5	1.02
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	5	1.02
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	5	1.02
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	5	1.02
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	5	1.02
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	5	1.02
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	5	1.02
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	5	1.02
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	16	1.02
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	16	1.02
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	16	1.02
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	7	1.02
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	7	1.02
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	7	1.02
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	7	1.02
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	7	1.02
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	7	1.02
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	7	1.02
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	7	1.02
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	7	1.02
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	7	1.02
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	7	1.02
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	7	1.02
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	7	1.02
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	7	1.02
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	7	1.02
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	7	1.02
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	7	1.02
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	8	1.02
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	8	1.02
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	8	1.02
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	8	1.02
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	8	1.02
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	8	1.02
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	8	1.02
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	8	1.02
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	8	1.02
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	8	1.02
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	8	1.02
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	8	1.02
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	8	1.02
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	8	1.02
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	8	1.02
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	8	1.02
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	8	1.02
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	8	1.02
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG2	13	1.02
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG3	13	1.02
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG2	13	1.02
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG3	13	1.02
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG2	13	1.02
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG3	13	1.02
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	15	1.02
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	15	1.02
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	15	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	15	1.02
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	15	1.02
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	15	1.02
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	11	1.02
(1,103)	1:91:A:PHE:HD1	1:97:A:GLU:HG2	19	1.02
(1,95)	1:24:A:ILE:HB	1:41:A:SER:HB3	5	1.02
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	16	1.02
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	16	1.02
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	16	1.02
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	11	1.02
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	18	1.01
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	18	1.01
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	18	1.01
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	3	1.01
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	3	1.01
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	2	1.01
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	2	1.01
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	17	1.01
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	3	1.01
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	7	1.01
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	20	1.01
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	5	1.01
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	18	1.01
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	19	1.01
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	19	1.01
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	19	1.01
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	19	1.01
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	19	1.01
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	19	1.01
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	19	1.01
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	19	1.01
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	19	1.01
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	17	1.01
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	17	1.01
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	17	1.01
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	12	1.01
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	12	1.01
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	12	1.01
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	18	1.01
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	18	1.01
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	18	1.01
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	9	1.01
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	9	1.01
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	9	1.01
(1,209)	1:87:A:THR:HB	1:89:A:TYR:H	2	1.01
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	1	1.01
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	1	1.01
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	1	1.01
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	5	1.01
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	5	1.01
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	5	1.01
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	5	1.01
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	5	1.01
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	5	1.01
(1,49)	1:97:A:GLU:H	1:98:A:ASN:HB2	16	1.01
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	5	1.01
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	16	1.01
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	10	1.0
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	10	1.0
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	10	1.0
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	10	1.0
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	7	1.0
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	2	1.0
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	2	1.0
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	2	1.0
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	17	1.0
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	17	1.0
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	17	1.0
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	17	1.0
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	17	1.0
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	17	1.0
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	16	1.0
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD11	19	1.0
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD12	19	1.0
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD13	19	1.0
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	6	1.0
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	6	1.0
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	6	1.0
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	7	1.0
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	7	1.0
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	16	1.0
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	16	1.0
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	3	1.0
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	3	1.0
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	5	1.0
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	5	1.0
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	5	1.0
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	10	1.0
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	10	1.0
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	10	1.0
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	15	1.0
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	15	1.0
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	15	1.0
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	17	1.0
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	17	1.0
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	17	1.0
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	17	1.0
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	17	1.0
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	17	1.0
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	17	1.0
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	17	1.0
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	17	1.0
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	19	1.0
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	19	1.0
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	19	1.0
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	19	1.0
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	19	1.0
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	19	1.0
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	19	1.0
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	19	1.0
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	19	1.0
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	20	1.0
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	20	1.0
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	20	1.0
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	9	1.0
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	9	1.0
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	9	1.0
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	9	1.0
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	9	1.0
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	9	1.0
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	9	1.0
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	9	1.0
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	9	1.0
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	2	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	11	1.0
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	14	1.0
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	12	1.0
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	12	1.0
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	12	1.0
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	7	1.0
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	7	1.0
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG21	15	1.0
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG22	15	1.0
(1,379)	1:66:A:LEU:HD21	1:69:A:VAL:HG23	15	1.0
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG21	15	1.0
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG22	15	1.0
(1,379)	1:66:A:LEU:HD22	1:69:A:VAL:HG23	15	1.0
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG21	15	1.0
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG22	15	1.0
(1,379)	1:66:A:LEU:HD23	1:69:A:VAL:HG23	15	1.0
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	17	1.0
(1,258)	1:23:A:ARG:HG3	1:41:A:SER:HB3	15	1.0
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	12	1.0
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	12	1.0
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	12	1.0
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	12	1.0
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	12	1.0
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	12	1.0
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	2	1.0
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	5	0.99
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	5	0.99
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	5	0.99
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	20	0.99
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	20	0.99
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	20	0.99
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	2	0.99
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	2	0.99
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	20	0.99
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	17	0.99
(1,1496)	1:23:A:ARG:HG3	1:41:A:SER:H	7	0.99
(1,1254)	1:102:A:ARG:HG3	1:104:A:TYR:H	8	0.99
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	10	0.99
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	11	0.99
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	4	0.99
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	4	0.99
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	4	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	8	0.99
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	8	0.99
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	8	0.99
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	9	0.99
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	9	0.99
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	9	0.99
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	20	0.99
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	20	0.99
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	20	0.99
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	9	0.99
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	9	0.99
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	9	0.99
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	9	0.99
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	9	0.99
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	9	0.99
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	9	0.99
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	9	0.99
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	9	0.99
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	10	0.99
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	10	0.99
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	10	0.99
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	10	0.99
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	10	0.99
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	10	0.99
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	10	0.99
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	10	0.99
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	10	0.99
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG2	12	0.99
(1,513)	1:73:A:LEU:HD11	1:76:A:MET:HG3	12	0.99
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG2	12	0.99
(1,513)	1:73:A:LEU:HD12	1:76:A:MET:HG3	12	0.99
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG2	12	0.99
(1,513)	1:73:A:LEU:HD13	1:76:A:MET:HG3	12	0.99
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	3	0.99
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	3	0.99
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	3	0.99
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	3	0.99
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	3	0.99
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	3	0.99
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	19	0.99
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	4	0.99
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	14	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:35:A:VAL:HA	1:38:A:GLU:HG2	1	0.99
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	4	0.99
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	4	0.99
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	4	0.99
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	4	0.99
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	4	0.99
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	4	0.99
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	9	0.99
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	9	0.99
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	9	0.99
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	9	0.99
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	9	0.99
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	9	0.99
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	10	0.99
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	10	0.99
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	10	0.99
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	15	0.99
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	13	0.98
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	13	0.98
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	13	0.98
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	14	0.98
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	14	0.98
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	18	0.98
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	18	0.98
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	18	0.98
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	19	0.98
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	19	0.98
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	19	0.98
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	15	0.98
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	15	0.98
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	15	0.98
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	5	0.98
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	5	0.98
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	5	0.98
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	15	0.98
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	15	0.98
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	15	0.98
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	18	0.98
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	18	0.98
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	18	0.98
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	18	0.98
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	18	0.98
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	6	0.98
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	6	0.98
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	6	0.98
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	8	0.98
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	8	0.98
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	8	0.98
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	3	0.98
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	3	0.98
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	3	0.98
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	19	0.98
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	19	0.98
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	19	0.98
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	1	0.98
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	1	0.98
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	1	0.98
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	2	0.98
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	2	0.98
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	2	0.98
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	7	0.98
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	7	0.98
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	7	0.98
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	16	0.98
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	16	0.98
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	16	0.98
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	18	0.98
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	18	0.98
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	18	0.98
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	4	0.98
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	4	0.98
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	4	0.98
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	4	0.98
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	4	0.98
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	4	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	4	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	4	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	4	0.98
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	11	0.98
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	11	0.98
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	11	0.98
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	11	0.98
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	11	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	11	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	11	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	11	0.98
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	12	0.98
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	12	0.98
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	12	0.98
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	12	0.98
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	12	0.98
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	12	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	12	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	12	0.98
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	12	0.98
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	10	0.98
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	10	0.98
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	10	0.98
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	10	0.98
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	10	0.98
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	10	0.98
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	10	0.98
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	10	0.98
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	10	0.98
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	14	0.98
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	14	0.98
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	14	0.98
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	14	0.98
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	14	0.98
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	14	0.98
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	14	0.98
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	14	0.98
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	14	0.98
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	13	0.98
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	4	0.98
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	4	0.98
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	4	0.98
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	4	0.98
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	4	0.98
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	4	0.98
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	13	0.98
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	13	0.98
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	13	0.98
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	13	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	13	0.98
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	13	0.98
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	10	0.98
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	10	0.98
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	10	0.98
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	1	0.98
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG11	17	0.98
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG12	17	0.98
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG13	17	0.98
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	18	0.98
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	6	0.98
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	6	0.98
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	6	0.98
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	6	0.98
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	6	0.98
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	6	0.98
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	13	0.98
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	13	0.98
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	13	0.98
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	13	0.98
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	13	0.98
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	13	0.98
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	19	0.98
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	19	0.98
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	19	0.98
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	19	0.98
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	19	0.98
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	19	0.98
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	14	0.97
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	14	0.97
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	14	0.97
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	1	0.97
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	1	0.97
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	11	0.97
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	11	0.97
(1,1645)	1:89:A:TYR:HD1	1:91:A:PHE:HE2	18	0.97
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	19	0.97
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	19	0.97
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	19	0.97
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	19	0.97
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	19	0.97
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	19	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	19	0.97
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	19	0.97
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	19	0.97
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	19	0.97
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	19	0.97
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	19	0.97
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	10	0.97
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	16	0.97
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	14	0.97
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	5	0.97
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	7	0.97
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	3	0.97
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	3	0.97
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	3	0.97
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	7	0.97
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	7	0.97
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	7	0.97
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	7	0.97
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	7	0.97
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	7	0.97
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	7	0.97
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	7	0.97
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	7	0.97
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG21	11	0.97
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG22	11	0.97
(1,667)	1:45:A:VAL:HG11	1:49:A:THR:HG23	11	0.97
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG21	11	0.97
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG22	11	0.97
(1,667)	1:45:A:VAL:HG12	1:49:A:THR:HG23	11	0.97
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG21	11	0.97
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG22	11	0.97
(1,667)	1:45:A:VAL:HG13	1:49:A:THR:HG23	11	0.97
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	12	0.97
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	12	0.97
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	12	0.97
(1,610)	1:38:A:GLU:HG2	1:39:A:LYS:HA	2	0.97
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG21	11	0.97
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG22	11	0.97
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG23	11	0.97
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG21	11	0.97
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG22	11	0.97
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG23	11	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG21	11	0.97
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG22	11	0.97
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG23	11	0.97
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	6	0.97
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	6	0.97
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	6	0.97
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	6	0.97
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	6	0.97
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	6	0.97
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	19	0.97
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	13	0.97
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	7	0.97
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	8	0.97
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	8	0.97
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	14	0.97
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	14	0.97
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	14	0.97
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	14	0.97
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	14	0.97
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	13	0.97
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	13	0.97
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	4	0.96
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	4	0.96
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	4	0.96
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	4	0.96
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	4	0.96
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	7	0.96
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	7	0.96
(1,1690)	1:99:A:PHE:HD2	1:100:A:SER:H	6	0.96
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	4	0.96
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	4	0.96
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	4	0.96
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	4	0.96
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	4	0.96
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	4	0.96
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	4	0.96
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	20	0.96
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	20	0.96
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	12	0.96
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	12	0.96
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	12	0.96
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	16	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	17	0.96
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	10	0.96
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	10	0.96
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	10	0.96
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	10	0.96
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	10	0.96
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	10	0.96
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	10	0.96
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	10	0.96
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	10	0.96
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	14	0.96
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	14	0.96
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	14	0.96
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	14	0.96
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	14	0.96
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	14	0.96
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	14	0.96
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	14	0.96
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	14	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	1	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	1	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	1	0.96
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	1	0.96
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	1	0.96
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	1	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	1	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	1	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	1	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	2	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	2	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	2	0.96
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	2	0.96
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	2	0.96
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	2	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	2	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	2	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	2	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	3	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	3	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	3	0.96
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	3	0.96
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	3	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	3	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	3	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	3	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	3	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	8	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	8	0.96
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	8	0.96
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	8	0.96
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	8	0.96
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	8	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	8	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	8	0.96
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	8	0.96
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG21	11	0.96
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG22	11	0.96
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG23	11	0.96
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	12	0.96
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	12	0.96
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	12	0.96
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	14	0.96
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	14	0.96
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	14	0.96
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	14	0.96
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	14	0.96
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	14	0.96
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	14	0.96
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	14	0.96
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	14	0.96
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	2	0.96
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	2	0.96
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	2	0.96
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	2	0.96
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	2	0.96
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	2	0.96
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	2	0.96
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	2	0.96
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	2	0.96
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	3	0.96
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	6	0.96
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	20	0.96
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	20	0.96
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	15	0.96
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	15	0.96
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	11	0.96
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	11	0.96
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	11	0.96
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	7	0.96
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	17	0.96
(1,1782)	1:102:A:ARG:HE	1:104:A:TYR:HE1	12	0.95
(1,1782)	1:102:A:ARG:HE	1:104:A:TYR:HE2	12	0.95
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	6	0.95
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	6	0.95
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	17	0.95
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	17	0.95
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	11	0.95
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	11	0.95
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	11	0.95
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	9	0.95
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	9	0.95
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	9	0.95
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	11	0.95
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	12	0.95
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	7	0.95
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	3	0.95
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	3	0.95
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	3	0.95
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	3	0.95
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	3	0.95
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	3	0.95
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	15	0.95
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	19	0.95
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	19	0.95
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	19	0.95
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	4	0.95
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	4	0.95
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	4	0.95
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	4	0.95
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	4	0.95
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	4	0.95
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	4	0.95
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	4	0.95
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	4	0.95
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	18	0.95
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	18	0.95
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	18	0.95
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	18	0.95
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	18	0.95
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	18	0.95
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	18	0.95
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	18	0.95
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	10	0.95
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	10	0.95
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	10	0.95
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	11	0.95
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	11	0.95
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	11	0.95
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	5	0.95
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	5	0.95
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	5	0.95
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	13	0.95
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	13	0.95
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	13	0.95
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	19	0.95
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	19	0.95
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	19	0.95
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	3	0.95
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	5	0.95
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	5	0.95
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	5	0.95
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	16	0.95
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	19	0.95
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG11	16	0.95
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG12	16	0.95
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG13	16	0.95
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG21	3	0.94
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG22	3	0.94
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG23	3	0.94
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG21	3	0.94
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG22	3	0.94
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG23	3	0.94
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	20	0.94
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	20	0.94
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	20	0.94
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	18	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	18	0.94
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	18	0.94
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	6	0.94
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	6	0.94
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	6	0.94
(1,1398)	1:45:A:VAL:HG11	1:49:A:THR:H	5	0.94
(1,1398)	1:45:A:VAL:HG12	1:49:A:THR:H	5	0.94
(1,1398)	1:45:A:VAL:HG13	1:49:A:THR:H	5	0.94
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	16	0.94
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	18	0.94
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	13	0.94
(1,1206)	1:71:A:ASP:H	1:72:A:LEU:HB2	19	0.94
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	3	0.94
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	7	0.94
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	10	0.94
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	18	0.94
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	17	0.94
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	17	0.94
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	17	0.94
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	17	0.94
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	17	0.94
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	17	0.94
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	17	0.94
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	17	0.94
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	17	0.94
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	16	0.94
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	16	0.94
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	16	0.94
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	17	0.94
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	17	0.94
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	17	0.94
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	20	0.94
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	20	0.94
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	20	0.94
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	20	0.94
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	20	0.94
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	20	0.94
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	20	0.94
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	20	0.94
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	20	0.94
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	20	0.94
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	20	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	20	0.94
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	20	0.94
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	20	0.94
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	20	0.94
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	20	0.94
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	20	0.94
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	20	0.94
(1,501)	1:80:A:LEU:HD21	1:83:A:TRP:H	15	0.94
(1,501)	1:80:A:LEU:HD22	1:83:A:TRP:H	15	0.94
(1,501)	1:80:A:LEU:HD23	1:83:A:TRP:H	15	0.94
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	10	0.94
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	15	0.94
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	15	0.94
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	15	0.94
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	5	0.94
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	10	0.94
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	1	0.94
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	3	0.94
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	8	0.94
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	11	0.94
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	16	0.94
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	13	0.94
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	12	0.94
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	12	0.94
(1,1787)	1:32:A:VAL:HG11	1:83:A:TRP:HZ2	5	0.93
(1,1787)	1:32:A:VAL:HG12	1:83:A:TRP:HZ2	5	0.93
(1,1787)	1:32:A:VAL:HG13	1:83:A:TRP:HZ2	5	0.93
(1,1782)	1:102:A:ARG:HE	1:104:A:TYR:HE1	1	0.93
(1,1782)	1:102:A:ARG:HE	1:104:A:TYR:HE2	1	0.93
(1,1694)	1:28:A:LEU:HD23	1:107:A:PHE:HD1	19	0.93
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	5	0.93
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	5	0.93
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	13	0.93
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	13	0.93
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	17	0.93
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	17	0.93
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	14	0.93
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	14	0.93
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	6	0.93
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	6	0.93
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	6	0.93
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	6	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	6	0.93
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	6	0.93
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	6	0.93
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	6	0.93
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	6	0.93
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	6	0.93
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	6	0.93
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	6	0.93
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	6	0.93
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	6	0.93
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	6	0.93
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	6	0.93
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	6	0.93
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	6	0.93
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	13	0.93
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	13	0.93
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	13	0.93
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	13	0.93
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	13	0.93
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	13	0.93
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	13	0.93
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	13	0.93
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	13	0.93
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	8	0.93
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	8	0.93
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	8	0.93
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD21	2	0.93
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD22	2	0.93
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD23	2	0.93
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD21	2	0.93
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD22	2	0.93
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD23	2	0.93
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD21	2	0.93
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD22	2	0.93
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD23	2	0.93
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	7	0.93
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	7	0.93
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	7	0.93
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG11	3	0.93
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG12	3	0.93
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG13	3	0.93
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG11	3	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG12	3	0.93
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG13	3	0.93
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG11	3	0.93
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG12	3	0.93
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG13	3	0.93
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD21	2	0.93
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD22	2	0.93
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD23	2	0.93
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD21	2	0.93
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD22	2	0.93
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD23	2	0.93
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD21	2	0.93
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD22	2	0.93
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD23	2	0.93
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	19	0.93
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	19	0.93
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	19	0.93
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	19	0.93
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	19	0.93
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	19	0.93
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	7	0.93
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	7	0.93
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	7	0.93
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	2	0.93
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	4	0.93
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	9	0.93
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	13	0.93
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	8	0.93
(1,231)	1:51:A:VAL:HB	1:90:A:LEU:HB3	15	0.93
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	17	0.93
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	17	0.93
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	17	0.93
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	1	0.93
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	1	0.93
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	5	0.92
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	5	0.92
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD11	1	0.92
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD12	1	0.92
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD13	1	0.92
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD11	1	0.92
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD12	1	0.92
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD13	1	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	5	0.92
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	5	0.92
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	8	0.92
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	8	0.92
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	8	0.92
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	8	0.92
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	8	0.92
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	8	0.92
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	8	0.92
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	8	0.92
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	8	0.92
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	8	0.92
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	8	0.92
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	8	0.92
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	15	0.92
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	2	0.92
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	5	0.92
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	4	0.92
(1,983)	1:62:A:VAL:H	1:65:A:THR:HB	13	0.92
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	4	0.92
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	4	0.92
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	4	0.92
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	8	0.92
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	8	0.92
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	17	0.92
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	17	0.92
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	17	0.92
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	17	0.92
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	17	0.92
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	17	0.92
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	17	0.92
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	17	0.92
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	17	0.92
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	16	0.92
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	16	0.92
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	16	0.92
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	10	0.92
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	10	0.92
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	10	0.92
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	20	0.92
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	20	0.92
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	20	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:38:A:GLU:HG2	1:39:A:LYS:HA	19	0.92
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG11	19	0.92
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG12	19	0.92
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG13	19	0.92
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG11	20	0.92
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG12	20	0.92
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG13	20	0.92
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	16	0.92
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	19	0.92
(1,299)	1:35:A:VAL:HA	1:38:A:GLU:HG2	11	0.92
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	14	0.92
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	15	0.92
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	17	0.92
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	19	0.92
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	16	0.92
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	16	0.92
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	16	0.92
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG2	17	0.92
(1,149)	1:13:A:VAL:HG11	1:15:A:GLU:HG3	17	0.92
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG2	17	0.92
(1,149)	1:13:A:VAL:HG12	1:15:A:GLU:HG3	17	0.92
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG2	17	0.92
(1,149)	1:13:A:VAL:HG13	1:15:A:GLU:HG3	17	0.92
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	11	0.92
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	11	0.92
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	18	0.92
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	13	0.91
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	13	0.91
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	2	0.91
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	2	0.91
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	3	0.91
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	3	0.91
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	8	0.91
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	8	0.91
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	19	0.91
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	19	0.91
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	5	0.91
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	5	0.91
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	5	0.91
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	5	0.91
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	5	0.91
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	5	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	1	0.91
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	1	0.91
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	1	0.91
(1,1523)	1:72:A:LEU:HD11	1:75:A:ASN:HD22	1	0.91
(1,1523)	1:72:A:LEU:HD12	1:75:A:ASN:HD22	1	0.91
(1,1523)	1:72:A:LEU:HD13	1:75:A:ASN:HD22	1	0.91
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	15	0.91
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	16	0.91
(1,1333)	1:90:A:LEU:HD21	1:105:A:CYS:H	4	0.91
(1,1333)	1:90:A:LEU:HD22	1:105:A:CYS:H	4	0.91
(1,1333)	1:90:A:LEU:HD23	1:105:A:CYS:H	4	0.91
(1,1194)	1:59:A:ALA:H	1:88:A:PHE:HB3	11	0.91
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	20	0.91
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	20	0.91
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	20	0.91
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE2	6	0.91
(1,833)	1:3:A:ILE:HD11	1:4:A:LYS:HE3	6	0.91
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE2	6	0.91
(1,833)	1:3:A:ILE:HD12	1:4:A:LYS:HE3	6	0.91
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE2	6	0.91
(1,833)	1:3:A:ILE:HD13	1:4:A:LYS:HE3	6	0.91
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	10	0.91
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	10	0.91
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	10	0.91
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE1	14	0.91
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE2	14	0.91
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE3	14	0.91
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE1	14	0.91
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE2	14	0.91
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE3	14	0.91
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	3	0.91
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	3	0.91
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	3	0.91
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	3	0.91
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	3	0.91
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	3	0.91
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	3	0.91
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	3	0.91
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	3	0.91
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	11	0.91
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	11	0.91
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	11	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	11	0.91
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	11	0.91
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	11	0.91
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	11	0.91
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	11	0.91
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	11	0.91
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	14	0.91
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	14	0.91
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	14	0.91
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	9	0.91
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	9	0.91
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	9	0.91
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB1	5	0.91
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB2	5	0.91
(1,702)	1:85:A:VAL:HG11	1:86:A:ALA:HB3	5	0.91
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB1	5	0.91
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB2	5	0.91
(1,702)	1:85:A:VAL:HG12	1:86:A:ALA:HB3	5	0.91
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB1	5	0.91
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB2	5	0.91
(1,702)	1:85:A:VAL:HG13	1:86:A:ALA:HB3	5	0.91
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	18	0.91
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	11	0.91
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	14	0.91
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	14	0.91
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	14	0.91
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	14	0.91
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	14	0.91
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	14	0.91
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	8	0.91
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG11	17	0.91
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG12	17	0.91
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG13	17	0.91
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	5	0.91
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	6	0.91
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	12	0.91
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	18	0.91
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	20	0.91
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	5	0.91
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	9	0.9
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	9	0.9
(1,1690)	1:99:A:PHE:HD2	1:100:A:SER:H	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	14	0.9
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	14	0.9
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	8	0.9
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	7	0.9
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	7	0.9
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	7	0.9
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	9	0.9
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	9	0.9
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	9	0.9
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	17	0.9
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	17	0.9
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	17	0.9
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	8	0.9
(1,1294)	1:4:A:LYS:HB3	1:6:A:VAL:H	14	0.9
(1,805)	1:94:A:ALA:HA	1:96:A:GLU:HG3	13	0.9
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE1	1	0.9
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE2	1	0.9
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE3	1	0.9
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE1	1	0.9
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE2	1	0.9
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE3	1	0.9
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE1	15	0.9
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE2	15	0.9
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE3	15	0.9
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE1	15	0.9
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE2	15	0.9
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE3	15	0.9
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	2	0.9
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	2	0.9
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	2	0.9
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	8	0.9
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	8	0.9
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	8	0.9
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	7	0.9
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	7	0.9
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	7	0.9
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	10	0.9
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	10	0.9
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	10	0.9
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	3	0.9
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	3	0.9
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	3	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	5	0.9
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	5	0.9
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	5	0.9
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG21	12	0.9
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG22	12	0.9
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG23	12	0.9
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	14	0.9
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	14	0.9
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	14	0.9
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	14	0.9
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	14	0.9
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	14	0.9
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	14	0.9
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	14	0.9
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	14	0.9
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	14	0.9
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	14	0.9
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	14	0.9
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	14	0.9
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	14	0.9
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	14	0.9
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	14	0.9
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	14	0.9
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	14	0.9
(1,610)	1:38:A:GLU:HG2	1:39:A:LYS:HA	11	0.9
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG11	9	0.9
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG12	9	0.9
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG13	9	0.9
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	15	0.9
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	7	0.9
(1,254)	1:14:A:TRP:HA	1:15:A:GLU:HB3	10	0.9
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	6	0.9
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	6	0.9
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	6	0.9
(1,103)	1:91:A:PHE:HE2	1:97:A:GLU:HG2	20	0.9
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	8	0.9
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	8	0.9
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	20	0.89
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	20	0.89
(1,1690)	1:99:A:PHE:HD2	1:100:A:SER:H	11	0.89
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	4	0.89
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	4	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	4	0.89
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	1	0.89
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	1	0.89
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	1	0.89
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	5	0.89
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	12	0.89
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	5	0.89
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	14	0.89
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	14	0.89
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	14	0.89
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	14	0.89
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	14	0.89
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	14	0.89
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	8	0.89
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	15	0.89
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	15	0.89
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	15	0.89
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	15	0.89
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	15	0.89
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	15	0.89
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	15	0.89
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	15	0.89
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	15	0.89
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	15	0.89
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	15	0.89
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	15	0.89
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	15	0.89
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	15	0.89
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	15	0.89
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	15	0.89
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	15	0.89
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	15	0.89
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	13	0.89
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	13	0.89
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	13	0.89
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	2	0.89
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	2	0.89
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	2	0.89
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	4	0.89
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	4	0.89
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	4	0.89
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	5	0.89
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	5	0.89
(1,706)	1:32:A:VAL:HG11	1:83:A:TRP:HZ3	12	0.89
(1,706)	1:32:A:VAL:HG12	1:83:A:TRP:HZ3	12	0.89
(1,706)	1:32:A:VAL:HG13	1:83:A:TRP:HZ3	12	0.89
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD21	13	0.89
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD22	13	0.89
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD23	13	0.89
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD21	13	0.89
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD22	13	0.89
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD23	13	0.89
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD21	13	0.89
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD22	13	0.89
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD23	13	0.89
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	2	0.89
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	16	0.89
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	13	0.89
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	13	0.89
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	13	0.89
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	13	0.89
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	13	0.89
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	13	0.89
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	12	0.88
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	12	0.88
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	16	0.88
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	16	0.88
(1,1690)	1:99:A:PHE:HD2	1:100:A:SER:H	18	0.88
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	1	0.88
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	1	0.88
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	1	0.88
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	1	0.88
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	17	0.88
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	17	0.88
(1,1496)	1:23:A:ARG:HG3	1:41:A:SER:H	2	0.88
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	7	0.88
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	7	0.88
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	3	0.88
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	9	0.88
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	15	0.88
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	17	0.88
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE2	17	0.88
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE3	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE2	17	0.88
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE3	17	0.88
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE2	17	0.88
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE3	17	0.88
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	16	0.88
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	16	0.88
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	16	0.88
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	16	0.88
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	16	0.88
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	16	0.88
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	16	0.88
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	16	0.88
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	16	0.88
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	1	0.88
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	1	0.88
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	1	0.88
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB1	2	0.88
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB2	2	0.88
(1,734)	1:43:A:TYR:HB2	1:61:A:ALA:HB3	2	0.88
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	14	0.88
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	14	0.88
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	14	0.88
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	16	0.88
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	16	0.88
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	16	0.88
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	13	0.88
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	13	0.88
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	13	0.88
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	14	0.88
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	14	0.88
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	14	0.88
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	9	0.88
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	9	0.88
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	9	0.88
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	16	0.88
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	16	0.88
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	16	0.88
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	16	0.88
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	16	0.88
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	16	0.88
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	8	0.88
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	20	0.88
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	10	0.88
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	10	0.88
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	10	0.88
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	10	0.88
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	10	0.88
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	10	0.88
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	15	0.88
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	15	0.88
(1,1690)	1:99:A:PHE:HD2	1:100:A:SER:H	1	0.87
(1,1690)	1:99:A:PHE:HD2	1:100:A:SER:H	8	0.87
(1,1690)	1:99:A:PHE:HD2	1:100:A:SER:H	14	0.87
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	5	0.87
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	5	0.87
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	18	0.87
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	18	0.87
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	18	0.87
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	18	0.87
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	18	0.87
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	18	0.87
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD1	11	0.87
(1,1608)	1:28:A:LEU:HD11	1:108:A:TYR:HD2	11	0.87
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD1	11	0.87
(1,1608)	1:28:A:LEU:HD12	1:108:A:TYR:HD2	11	0.87
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD1	11	0.87
(1,1608)	1:28:A:LEU:HD13	1:108:A:TYR:HD2	11	0.87
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD1	11	0.87
(1,1608)	1:28:A:LEU:HD21	1:108:A:TYR:HD2	11	0.87
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD1	11	0.87
(1,1608)	1:28:A:LEU:HD22	1:108:A:TYR:HD2	11	0.87
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD1	11	0.87
(1,1608)	1:28:A:LEU:HD23	1:108:A:TYR:HD2	11	0.87
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	4	0.87
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	13	0.87
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	13	0.87
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	13	0.87
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	11	0.87
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	6	0.87
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	7	0.87
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	7	0.87
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	7	0.87
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	7	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	7	0.87
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	7	0.87
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	12	0.87
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	12	0.87
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	12	0.87
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	12	0.87
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	12	0.87
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	12	0.87
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	15	0.87
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	2	0.87
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	2	0.87
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	2	0.87
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	5	0.87
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	5	0.87
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	5	0.87
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	6	0.87
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	6	0.87
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	6	0.87
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	11	0.87
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	11	0.87
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	11	0.87
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	4	0.87
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	4	0.87
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	4	0.87
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	4	0.87
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	4	0.87
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	4	0.87
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	4	0.87
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	4	0.87
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	4	0.87
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	4	0.87
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	4	0.87
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	4	0.87
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	4	0.87
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	4	0.87
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	4	0.87
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	4	0.87
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	4	0.87
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	4	0.87
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	9	0.87
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	9	0.87
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	9	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	9	0.87
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	9	0.87
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	9	0.87
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	6	0.87
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	6	0.87
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	6	0.87
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	6	0.87
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	6	0.87
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	6	0.87
(1,430)	1:34:A:LYS:HG3	1:38:A:GLU:HG2	19	0.87
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	18	0.87
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	20	0.87
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	20	0.87
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD11	5	0.87
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD12	5	0.87
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD13	5	0.87
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	6	0.87
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	1	0.87
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	1	0.87
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	4	0.87
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	10	0.87
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	9	0.87
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	9	0.87
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	15	0.87
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	15	0.87
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	17	0.87
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	17	0.87
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	6	0.87
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	11	0.87
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	11	0.87
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	11	0.87
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	11	0.87
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	11	0.87
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	11	0.87
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	5	0.86
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	5	0.86
(1,1690)	1:99:A:PHE:HD2	1:100:A:SER:H	2	0.86
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	20	0.86
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	20	0.86
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	20	0.86
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	8	0.86
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	8	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	8	0.86
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	10	0.86
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	10	0.86
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	10	0.86
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	13	0.86
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	13	0.86
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	13	0.86
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	2	0.86
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	1	0.86
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	1	0.86
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	14	0.86
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	14	0.86
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	19	0.86
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	10	0.86
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	10	0.86
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	10	0.86
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	10	0.86
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	10	0.86
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	10	0.86
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	10	0.86
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	10	0.86
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	10	0.86
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	12	0.86
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	12	0.86
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	12	0.86
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	6	0.86
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	6	0.86
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	6	0.86
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	16	0.86
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	16	0.86
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	16	0.86
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	1	0.86
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	1	0.86
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	1	0.86
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	1	0.86
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	1	0.86
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	1	0.86
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	5	0.86
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	5	0.86
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	5	0.86
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	5	0.86
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	5	0.86
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	11	0.86
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	11	0.86
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	11	0.86
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	11	0.86
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	11	0.86
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	11	0.86
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	11	0.86
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	18	0.86
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	7	0.86
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	7	0.86
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	7	0.86
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	19	0.86
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	19	0.86
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	19	0.86
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	8	0.86
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	14	0.86
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	14	0.86
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE2	11	0.86
(1,37)	1:60:A:GLU:H	1:64:A:LYS:HE3	11	0.86
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	9	0.85
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	9	0.85
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	13	0.85
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	13	0.85
(1,1690)	1:99:A:PHE:HD2	1:100:A:SER:H	12	0.85
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	9	0.85
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	9	0.85
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	9	0.85
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	9	0.85
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	9	0.85
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	9	0.85
(1,1496)	1:23:A:ARG:HG3	1:41:A:SER:H	19	0.85
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	19	0.85
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	19	0.85
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	19	0.85
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	3	0.85
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	11	0.85
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	11	0.85
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	1	0.85
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	10	0.85
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	20	0.85
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	9	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	11	0.85
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	4	0.85
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	4	0.85
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	4	0.85
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	4	0.85
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	4	0.85
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	4	0.85
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	4	0.85
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	4	0.85
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	4	0.85
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	5	0.85
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	5	0.85
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	5	0.85
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	5	0.85
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	5	0.85
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	5	0.85
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	5	0.85
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	5	0.85
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	5	0.85
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	1	0.85
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	1	0.85
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	1	0.85
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG2	9	0.85
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG3	9	0.85
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG2	9	0.85
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG3	9	0.85
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG2	9	0.85
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG3	9	0.85
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	2	0.85
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	2	0.85
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	2	0.85
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	13	0.85
(1,260)	1:23:A:ARG:HG3	1:41:A:SER:HB2	18	0.85
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	19	0.85
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	10	0.84
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	10	0.84
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	10	0.84
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	11	0.84
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	11	0.84
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	11	0.84
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	4	0.84
(1,1690)	1:99:A:PHE:HD2	1:100:A:SER:H	17	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	17	0.84
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	17	0.84
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	2	0.84
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	2	0.84
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	11	0.84
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	11	0.84
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	11	0.84
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	11	0.84
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	11	0.84
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	11	0.84
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	20	0.84
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	6	0.84
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	6	0.84
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	6	0.84
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	20	0.84
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	20	0.84
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	20	0.84
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	3	0.84
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	15	0.84
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	16	0.84
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	16	0.84
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	16	0.84
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	16	0.84
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	16	0.84
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	16	0.84
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	9	0.84
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	9	0.84
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	9	0.84
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	8	0.84
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	8	0.84
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	8	0.84
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	8	0.84
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	8	0.84
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	8	0.84
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	8	0.84
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	8	0.84
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	8	0.84
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	9	0.84
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	9	0.84
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	9	0.84
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	9	0.84
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	9	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	9	0.84
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	9	0.84
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	9	0.84
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	9	0.84
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	20	0.84
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	20	0.84
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	20	0.84
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	13	0.84
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	13	0.84
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	13	0.84
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	14	0.84
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	14	0.84
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	14	0.84
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	14	0.84
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	14	0.84
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	14	0.84
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	14	0.84
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	14	0.84
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	14	0.84
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	16	0.84
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	16	0.84
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	16	0.84
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	13	0.84
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	13	0.84
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	13	0.84
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	4	0.84
(1,258)	1:23:A:ARG:HG3	1:41:A:SER:HB3	3	0.84
(1,211)	1:13:A:VAL:HB	1:14:A:TRP:HA	17	0.84
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	17	0.84
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	17	0.84
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	17	0.84
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	17	0.84
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	17	0.84
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	17	0.84
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	2	0.84
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	2	0.84
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	2	0.84
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	2	0.84
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	2	0.84
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	2	0.84
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	4	0.84
(1,1605)	1:102:A:ARG:HG3	1:104:A:TYR:HD1	11	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1605)	1:102:A:ARG:HG3	1:104:A:TYR:HD2	11	0.83
(1,1294)	1:4:A:LYS:HB3	1:6:A:VAL:H	6	0.83
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	5	0.83
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	5	0.83
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	5	0.83
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	5	0.83
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	5	0.83
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	5	0.83
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	11	0.83
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	2	0.83
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	8	0.83
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	8	0.83
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	8	0.83
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	8	0.83
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	8	0.83
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	8	0.83
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	8	0.83
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	8	0.83
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	8	0.83
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	17	0.83
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	17	0.83
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	17	0.83
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	12	0.83
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	12	0.83
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	12	0.83
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	12	0.83
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	12	0.83
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	12	0.83
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	12	0.83
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	12	0.83
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	12	0.83
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	20	0.83
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	20	0.83
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	20	0.83
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	20	0.83
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	20	0.83
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	20	0.83
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	20	0.83
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	20	0.83
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	20	0.83
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	15	0.83
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	15	0.83
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	4	0.83
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	4	0.83
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	4	0.83
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	4	0.83
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	4	0.83
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	4	0.83
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	4	0.83
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	4	0.83
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	4	0.83
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG21	17	0.83
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG22	17	0.83
(1,639)	1:21:A:ASN:HA	1:42:A:VAL:HG23	17	0.83
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	16	0.83
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	16	0.83
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	16	0.83
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	16	0.83
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	16	0.83
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	16	0.83
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	16	0.83
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	16	0.83
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	16	0.83
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	16	0.83
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	16	0.83
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	16	0.83
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	16	0.83
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	16	0.83
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	16	0.83
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	16	0.83
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	16	0.83
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	16	0.83
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	11	0.83
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	11	0.83
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	11	0.83
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	11	0.83
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	11	0.83
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	11	0.83
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG11	4	0.83
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG12	4	0.83
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG13	4	0.83
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	19	0.83
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	1	0.83
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	1	0.83
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	18	0.83
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	18	0.83
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	18	0.83
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	10	0.83
(1,95)	1:24:A:ILE:HB	1:41:A:SER:HB3	9	0.83
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	17	0.83
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	6	0.82
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	6	0.82
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	8	0.82
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	8	0.82
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	9	0.82
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	9	0.82
(1,1645)	1:89:A:TYR:HD2	1:91:A:PHE:HE2	4	0.82
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	17	0.82
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	17	0.82
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	17	0.82
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	17	0.82
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	17	0.82
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	17	0.82
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	11	0.82
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	11	0.82
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	9	0.82
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	14	0.82
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	16	0.82
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	16	0.82
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	16	0.82
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	12	0.82
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	12	0.82
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	12	0.82
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	14	0.82
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	14	0.82
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	14	0.82
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	7	0.82
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	10	0.82
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	4	0.82
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	4	0.82
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	4	0.82
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	4	0.82
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	4	0.82
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	1	0.82
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	1	0.82
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	1	0.82
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	1	0.82
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	1	0.82
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	1	0.82
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	1	0.82
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	1	0.82
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	1	0.82
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	3	0.82
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	3	0.82
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	3	0.82
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	3	0.82
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	3	0.82
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	3	0.82
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	3	0.82
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	3	0.82
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	3	0.82
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	7	0.82
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	7	0.82
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	7	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	1	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	2	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	3	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	4	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	5	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	6	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	7	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	8	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	10	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	11	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	12	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	14	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	16	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	18	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	19	0.82
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	20	0.82
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	1	0.82
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	1	0.82
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	1	0.82
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	1	0.82
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	1	0.82
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	1	0.82
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	1	0.82
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	1	0.82
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	7	0.82
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	7	0.82
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	7	0.82
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	9	0.82
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	9	0.82
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	9	0.82
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	11	0.82
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	11	0.82
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	11	0.82
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	11	0.82
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	11	0.82
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	11	0.82
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	15	0.82
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	15	0.82
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	15	0.82
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	6	0.82
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	6	0.82
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	6	0.82
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	17	0.82
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	17	0.82
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	17	0.82
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	17	0.82
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	17	0.82
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	17	0.82
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	18	0.82
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	9	0.82
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	9	0.82
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	9	0.82
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	9	0.82
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	9	0.82
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	9	0.82
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	2	0.82
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD2	6	0.82
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD3	6	0.82
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD2	6	0.82
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD3	6	0.82
(1,260)	1:23:A:ARG:HG3	1:41:A:SER:HB2	1	0.82
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	20	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	20	0.82
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	20	0.82
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	20	0.82
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	20	0.82
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	20	0.82
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	6	0.82
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	1	0.82
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	3	0.82
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	14	0.82
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	9	0.82
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE1	15	0.81
(1,1672)	1:7:A:THR:HB	1:8:A:PHE:HE2	15	0.81
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	4	0.81
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	4	0.81
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	3	0.81
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG11	10	0.81
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG12	10	0.81
(1,1469)	1:60:A:GLU:H	1:63:A:VAL:HG13	10	0.81
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	19	0.81
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	18	0.81
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	16	0.81
(1,1294)	1:4:A:LYS:HB3	1:6:A:VAL:H	18	0.81
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	1	0.81
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	1	0.81
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	1	0.81
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	1	0.81
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	1	0.81
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	1	0.81
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD11	1	0.81
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD12	1	0.81
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD13	1	0.81
(1,780)	1:111:A:ASP:HA	1:112:A:GLU:H	13	0.81
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	17	0.81
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	17	0.81
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	17	0.81
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	7	0.81
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	7	0.81
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	7	0.81
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	19	0.81
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	13	0.81
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	13	0.81
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG2	7	0.81
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG3	7	0.81
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG2	7	0.81
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG3	7	0.81
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG2	7	0.81
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG3	7	0.81
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG11	8	0.81
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG12	8	0.81
(1,617)	1:23:A:ARG:HD3	1:42:A:VAL:HG13	8	0.81
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	13	0.81
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	13	0.81
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	13	0.81
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	13	0.81
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	13	0.81
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	13	0.81
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	13	0.81
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	13	0.81
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	13	0.81
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	13	0.81
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	13	0.81
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	13	0.81
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	13	0.81
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	13	0.81
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	13	0.81
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	13	0.81
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	13	0.81
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	13	0.81
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	7	0.81
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	7	0.81
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	7	0.81
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	10	0.81
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	10	0.81
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	10	0.81
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	10	0.81
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	10	0.81
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	10	0.81
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	10	0.81
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	10	0.81
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	10	0.81
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	4	0.81
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	4	0.81
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD21	15	0.81
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD22	15	0.81
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD23	15	0.81
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD21	15	0.81
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD22	15	0.81
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD23	15	0.81
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD21	15	0.81
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD22	15	0.81
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD23	15	0.81
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	4	0.81
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	4	0.81
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	18	0.81
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	17	0.81
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	1	0.81
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	1	0.81
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	1	0.81
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	5	0.81
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	5	0.81
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	5	0.81
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	9	0.81
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	9	0.81
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	9	0.81
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	20	0.81
(1,1690)	1:99:A:PHE:HD1	1:100:A:SER:H	9	0.8
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	20	0.8
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	20	0.8
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	13	0.8
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	13	0.8
(1,1523)	1:72:A:LEU:HD11	1:75:A:ASN:HD22	14	0.8
(1,1523)	1:72:A:LEU:HD12	1:75:A:ASN:HD22	14	0.8
(1,1523)	1:72:A:LEU:HD13	1:75:A:ASN:HD22	14	0.8
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	7	0.8
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	13	0.8
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	7	0.8
(1,907)	1:22:A:VAL:HG21	1:45:A:VAL:H	8	0.8
(1,907)	1:22:A:VAL:HG22	1:45:A:VAL:H	8	0.8
(1,907)	1:22:A:VAL:HG23	1:45:A:VAL:H	8	0.8
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG11	12	0.8
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG12	12	0.8
(1,755)	1:83:A:TRP:H	1:85:A:VAL:HG13	12	0.8
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	6	0.8
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	6	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	6	0.8
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	6	0.8
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	6	0.8
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	6	0.8
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	7	0.8
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	7	0.8
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	7	0.8
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	20	0.8
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	20	0.8
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	20	0.8
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG2	4	0.8
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG3	4	0.8
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG2	4	0.8
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG3	4	0.8
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG2	4	0.8
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG3	4	0.8
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG2	16	0.8
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG3	16	0.8
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG2	16	0.8
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG3	16	0.8
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG2	16	0.8
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG3	16	0.8
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	18	0.8
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	18	0.8
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	18	0.8
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG21	13	0.8
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG22	13	0.8
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG23	13	0.8
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG21	13	0.8
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG22	13	0.8
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG23	13	0.8
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG21	13	0.8
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG22	13	0.8
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG23	13	0.8
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	14	0.8
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	14	0.8
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	14	0.8
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	1	0.8
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	1	0.8
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	1	0.8
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	5	0.8
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	10	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,316)	1:20:A:LYS:HD2	1:45:A:VAL:HG11	6	0.8
(1,316)	1:20:A:LYS:HD2	1:45:A:VAL:HG12	6	0.8
(1,316)	1:20:A:LYS:HD2	1:45:A:VAL:HG13	6	0.8
(1,258)	1:23:A:ARG:HG3	1:41:A:SER:HB3	19	0.8
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	4	0.8
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	4	0.8
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	4	0.8
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	4	0.8
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	4	0.8
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	4	0.8
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	7	0.8
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	7	0.8
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	7	0.8
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	7	0.8
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	7	0.8
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	7	0.8
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	18	0.79
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	18	0.79
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD3	4	0.79
(1,1722)	1:14:A:TRP:HH2	1:20:A:LYS:HD2	4	0.79
(1,1588)	1:33:A:ASP:HB3	1:37:A:ASN:HD22	1	0.79
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	18	0.79
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	3	0.79
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	3	0.79
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	3	0.79
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	16	0.79
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	16	0.79
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	16	0.79
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	18	0.79
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	18	0.79
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	18	0.79
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	14	0.79
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	15	0.79
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	15	0.79
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	15	0.79
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	15	0.79
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	15	0.79
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	15	0.79
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	20	0.79
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	20	0.79
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	20	0.79
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	20	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	20	0.79
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	20	0.79
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	9	0.79
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	15	0.79
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	17	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	4	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	4	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	4	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	9	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	9	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	9	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	10	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	10	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	10	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	11	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	11	0.79
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	11	0.79
(1,671)	1:22:A:VAL:HG11	1:45:A:VAL:HG21	7	0.79
(1,671)	1:22:A:VAL:HG11	1:45:A:VAL:HG22	7	0.79
(1,671)	1:22:A:VAL:HG11	1:45:A:VAL:HG23	7	0.79
(1,671)	1:22:A:VAL:HG12	1:45:A:VAL:HG21	7	0.79
(1,671)	1:22:A:VAL:HG12	1:45:A:VAL:HG22	7	0.79
(1,671)	1:22:A:VAL:HG12	1:45:A:VAL:HG23	7	0.79
(1,671)	1:22:A:VAL:HG13	1:45:A:VAL:HG21	7	0.79
(1,671)	1:22:A:VAL:HG13	1:45:A:VAL:HG22	7	0.79
(1,671)	1:22:A:VAL:HG13	1:45:A:VAL:HG23	7	0.79
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG21	2	0.79
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG22	2	0.79
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG23	2	0.79
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG21	2	0.79
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG22	2	0.79
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG23	2	0.79
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG21	2	0.79
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG22	2	0.79
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG23	2	0.79
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	16	0.79
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	16	0.79
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	16	0.79
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	15	0.79
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	15	0.79
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	15	0.79
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	20	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	20	0.79
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	20	0.79
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	16	0.79
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	16	0.79
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	16	0.79
(1,501)	1:80:A:LEU:HD21	1:83:A:TRP:H	14	0.79
(1,501)	1:80:A:LEU:HD22	1:83:A:TRP:H	14	0.79
(1,501)	1:80:A:LEU:HD23	1:83:A:TRP:H	14	0.79
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	14	0.79
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	14	0.79
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	14	0.79
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	14	0.79
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	14	0.79
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	14	0.79
(1,260)	1:23:A:ARG:HG3	1:41:A:SER:HB2	8	0.79
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	17	0.79
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	10	0.79
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	10	0.79
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	10	0.79
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	16	0.79
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	16	0.79
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	16	0.79
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	16	0.79
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	16	0.79
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	16	0.79
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	16	0.79
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	16	0.79
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	16	0.79
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	12	0.79
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	13	0.79
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	20	0.79
(1,1689)	1:45:A:VAL:HG11	1:99:A:PHE:HD2	6	0.78
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	13	0.78
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	13	0.78
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	7	0.78
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	7	0.78
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	16	0.78
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	2	0.78
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	1	0.78
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	9	0.78
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	9	0.78
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	1	0.78
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	1	0.78
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	1	0.78
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	11	0.78
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	11	0.78
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	11	0.78
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	17	0.78
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	17	0.78
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	17	0.78
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	16	0.78
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	20	0.78
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	2	0.78
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	11	0.78
(1,1294)	1:4:A:LYS:HB3	1:6:A:VAL:H	9	0.78
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	6	0.78
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	6	0.78
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	6	0.78
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	6	0.78
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	6	0.78
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	6	0.78
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	13	0.78
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	13	0.78
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	13	0.78
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	13	0.78
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	13	0.78
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	13	0.78
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	2	0.78
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	2	0.78
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	2	0.78
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE1	4	0.78
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE2	4	0.78
(1,793)	1:31:A:ARG:HD2	1:76:A:MET:HE3	4	0.78
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE1	4	0.78
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE2	4	0.78
(1,793)	1:31:A:ARG:HD3	1:76:A:MET:HE3	4	0.78
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE2	19	0.78
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE3	19	0.78
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE2	19	0.78
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE3	19	0.78
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE2	19	0.78
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE3	19	0.78
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD11	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD12	19	0.78
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD13	19	0.78
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD11	19	0.78
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD12	19	0.78
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD13	19	0.78
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD11	19	0.78
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD12	19	0.78
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD13	19	0.78
(1,705)	1:32:A:VAL:HG11	1:83:A:TRP:HH2	17	0.78
(1,705)	1:32:A:VAL:HG12	1:83:A:TRP:HH2	17	0.78
(1,705)	1:32:A:VAL:HG13	1:83:A:TRP:HH2	17	0.78
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	16	0.78
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	16	0.78
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	16	0.78
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	1	0.78
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	1	0.78
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	1	0.78
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	3	0.78
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	3	0.78
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	3	0.78
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	3	0.78
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	3	0.78
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	3	0.78
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	6	0.78
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	6	0.78
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	6	0.78
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	19	0.78
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	19	0.78
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	19	0.78
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	15	0.78
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	15	0.78
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	15	0.78
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	15	0.78
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	15	0.78
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	15	0.78
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	6	0.78
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	2	0.78
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	5	0.78
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	19	0.78
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	19	0.78
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	19	0.78
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	9	0.78
(1,103)	1:91:A:PHE:HD2	1:97:A:GLU:HG2	9	0.78
(1,88)	1:6:A:VAL:HG11	1:8:A:PHE:HB3	7	0.78
(1,88)	1:6:A:VAL:HG12	1:8:A:PHE:HB3	7	0.78
(1,88)	1:6:A:VAL:HG13	1:8:A:PHE:HB3	7	0.78
(1,88)	1:6:A:VAL:HG21	1:8:A:PHE:HB3	7	0.78
(1,88)	1:6:A:VAL:HG22	1:8:A:PHE:HB3	7	0.78
(1,88)	1:6:A:VAL:HG23	1:8:A:PHE:HB3	7	0.78
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	9	0.78
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	3	0.78
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	3	0.78
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	8	0.77
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	8	0.77
(1,1690)	1:99:A:PHE:HD1	1:100:A:SER:H	10	0.77
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	11	0.77
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	15	0.77
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	13	0.77
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	13	0.77
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	13	0.77
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	4	0.77
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	4	0.77
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	2	0.77
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	2	0.77
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	2	0.77
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB1	2	0.77
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB2	2	0.77
(1,772)	1:51:A:VAL:HG21	1:55:A:ALA:HB3	2	0.77
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB1	2	0.77
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB2	2	0.77
(1,772)	1:51:A:VAL:HG22	1:55:A:ALA:HB3	2	0.77
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB1	2	0.77
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB2	2	0.77
(1,772)	1:51:A:VAL:HG23	1:55:A:ALA:HB3	2	0.77
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	18	0.77
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	18	0.77
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	18	0.77
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG2	13	0.77
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG3	13	0.77
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG2	13	0.77
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG3	13	0.77
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG2	13	0.77
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG3	13	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	13	0.77
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	13	0.77
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	13	0.77
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	13	0.77
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	13	0.77
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	13	0.77
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	1	0.77
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	1	0.77
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	1	0.77
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	1	0.77
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	1	0.77
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	1	0.77
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	4	0.77
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	4	0.77
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	4	0.77
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	4	0.77
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	4	0.77
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	4	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	1	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	3	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	4	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	5	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	6	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	7	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	8	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	10	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	14	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	16	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	19	0.77
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	20	0.77
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	14	0.77
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	14	0.77
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	14	0.77
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	18	0.77
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	18	0.77
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	18	0.77
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	14	0.77
(1,69)	1:10:A:GLU:HA	1:11:A:ASP:HB3	20	0.77
(1,1690)	1:99:A:PHE:HD1	1:100:A:SER:H	20	0.76
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	8	0.76
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	8	0.76
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	8	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	8	0.76
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	8	0.76
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	8	0.76
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	20	0.76
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	20	0.76
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	8	0.76
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	16	0.76
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	16	0.76
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	16	0.76
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	16	0.76
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	16	0.76
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	16	0.76
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	10	0.76
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	6	0.76
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	19	0.76
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	1	0.76
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	1	0.76
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	1	0.76
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	12	0.76
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	12	0.76
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	12	0.76
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	10	0.76
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	10	0.76
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	10	0.76
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	13	0.76
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	15	0.76
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	19	0.76
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	7	0.76
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	7	0.76
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	18	0.76
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	18	0.76
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	20	0.76
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	20	0.76
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	14	0.76
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	14	0.76
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	14	0.76
(1,333)	1:99:A:PHE:HD2	1:100:A:SER:HB3	12	0.76
(1,333)	1:99:A:PHE:HD1	1:100:A:SER:HB3	19	0.76
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	17	0.76
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	17	0.76
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	17	0.76
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	13	0.76
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	13	0.76
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	13	0.76
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	13	0.76
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	13	0.76
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	7	0.76
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	7	0.76
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	7	0.76
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	7	0.76
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	7	0.76
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	7	0.76
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	18	0.76
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	18	0.76
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	7	0.76
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	5	0.75
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	9	0.75
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	9	0.75
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	14	0.75
(1,1496)	1:23:A:ARG:HG3	1:41:A:SER:H	18	0.75
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	1	0.75
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	18	0.75
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	18	0.75
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	17	0.75
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE2	5	0.75
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE3	5	0.75
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE2	5	0.75
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE3	5	0.75
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE2	5	0.75
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE3	5	0.75
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG21	13	0.75
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG22	13	0.75
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG23	13	0.75
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	4	0.75
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	4	0.75
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	4	0.75
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	19	0.75
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	19	0.75
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	19	0.75
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	11	0.75
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	11	0.75
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	11	0.75
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	11	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	11	0.75
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	11	0.75
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	3	0.75
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	7	0.75
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	1	0.75
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	2	0.75
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	2	0.75
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	12	0.75
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	13	0.75
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	3	0.75
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	4	0.75
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	4	0.75
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	4	0.75
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	6	0.75
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	6	0.75
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	6	0.75
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	20	0.75
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	20	0.75
(1,1710)	1:13:A:VAL:HA	1:14:A:TRP:HD1	17	0.74
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	7	0.74
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	15	0.74
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	15	0.74
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	6	0.74
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	20	0.74
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	20	0.74
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	20	0.74
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	20	0.74
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	20	0.74
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	20	0.74
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	20	0.74
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	20	0.74
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	20	0.74
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	6	0.74
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	6	0.74
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	6	0.74
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG11	18	0.74
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG12	18	0.74
(1,712)	1:28:A:LEU:HD11	1:32:A:VAL:HG13	18	0.74
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG11	18	0.74
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG12	18	0.74
(1,712)	1:28:A:LEU:HD12	1:32:A:VAL:HG13	18	0.74
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG11	18	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG12	18	0.74
(1,712)	1:28:A:LEU:HD13	1:32:A:VAL:HG13	18	0.74
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG11	18	0.74
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG12	18	0.74
(1,712)	1:28:A:LEU:HD21	1:32:A:VAL:HG13	18	0.74
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG11	18	0.74
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG12	18	0.74
(1,712)	1:28:A:LEU:HD22	1:32:A:VAL:HG13	18	0.74
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG11	18	0.74
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG12	18	0.74
(1,712)	1:28:A:LEU:HD23	1:32:A:VAL:HG13	18	0.74
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	2	0.74
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	2	0.74
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	2	0.74
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	5	0.74
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	5	0.74
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	5	0.74
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG2	2	0.74
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG3	2	0.74
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG2	2	0.74
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG3	2	0.74
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG2	2	0.74
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG3	2	0.74
(1,362)	1:91:A:PHE:HE2	1:110:A:PRO:HG3	5	0.74
(1,333)	1:99:A:PHE:HD2	1:100:A:SER:HB3	2	0.74
(1,322)	1:51:A:VAL:HB	1:97:A:GLU:HB3	14	0.74
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD2	12	0.74
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD3	12	0.74
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD2	12	0.74
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD3	12	0.74
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	7	0.74
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	11	0.74
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	11	0.74
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	11	0.74
(1,1690)	1:99:A:PHE:HD1	1:100:A:SER:H	4	0.73
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	3	0.73
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	3	0.73
(1,1594)	1:30:A:GLU:HA	1:32:A:VAL:H	3	0.73
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	10	0.73
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	6	0.73
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	6	0.73
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	10	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	15	0.73
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	15	0.73
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	15	0.73
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	16	0.73
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	14	0.73
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	14	0.73
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	14	0.73
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	8	0.73
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	8	0.73
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	12	0.73
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	15	0.73
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	15	0.73
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	15	0.73
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	15	0.73
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	15	0.73
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	15	0.73
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	15	0.73
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	15	0.73
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	15	0.73
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	2	0.73
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	2	0.73
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	2	0.73
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD21	19	0.73
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD22	19	0.73
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD23	19	0.73
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD21	19	0.73
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD22	19	0.73
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD23	19	0.73
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD21	19	0.73
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD22	19	0.73
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD23	19	0.73
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	17	0.73
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	17	0.73
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	17	0.73
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG21	5	0.73
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG22	5	0.73
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG23	5	0.73
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	4	0.73
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	4	0.73
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	4	0.73
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	4	0.73
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	4	0.73
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	4	0.73
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	4	0.73
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	4	0.73
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	17	0.73
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	3	0.73
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	3	0.73
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	3	0.73
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	7	0.73
(1,382)	1:49:A:THR:HA	1:54:A:PHE:H	14	0.73
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	10	0.73
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	20	0.73
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	6	0.73
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	6	0.73
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	6	0.73
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	11	0.73
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	11	0.73
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	11	0.73
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	13	0.73
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	13	0.73
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	13	0.73
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	6	0.73
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	6	0.73
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	6	0.73
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	6	0.73
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	6	0.73
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	6	0.73
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	18	0.73
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	18	0.73
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	18	0.73
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	18	0.73
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	18	0.73
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	18	0.73
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	9	0.73
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD1	18	0.73
(1,165)	1:27:A:GLU:HG2	1:104:A:TYR:HD2	18	0.73
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD1	18	0.73
(1,165)	1:27:A:GLU:HG3	1:104:A:TYR:HD2	18	0.73
(1,103)	1:91:A:PHE:HD1	1:97:A:GLU:HG2	18	0.73
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	18	0.72
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	18	0.72
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	7	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	7	0.72
(1,1690)	1:99:A:PHE:HD1	1:100:A:SER:H	16	0.72
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	6	0.72
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	6	0.72
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	6	0.72
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	6	0.72
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	6	0.72
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	6	0.72
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	2	0.72
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	9	0.72
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	12	0.72
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	7	0.72
(1,1517)	1:72:A:LEU:HD21	1:75:A:ASN:HD21	8	0.72
(1,1517)	1:72:A:LEU:HD22	1:75:A:ASN:HD21	8	0.72
(1,1517)	1:72:A:LEU:HD23	1:75:A:ASN:HD21	8	0.72
(1,1371)	1:36:A:LEU:HG	1:40:A:CYS:H	9	0.72
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	20	0.72
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	20	0.72
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	20	0.72
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG21	2	0.72
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG22	2	0.72
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG23	2	0.72
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG21	12	0.72
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG22	12	0.72
(1,677)	1:44:A:THR:HB	1:45:A:VAL:HG23	12	0.72
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG2	12	0.72
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG3	12	0.72
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG2	12	0.72
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG3	12	0.72
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG2	12	0.72
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG3	12	0.72
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	13	0.72
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	13	0.72
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	13	0.72
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	13	0.72
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	13	0.72
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	13	0.72
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	13	0.72
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	13	0.72
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	13	0.72
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	7	0.72
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD2	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD3	14	0.72
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD2	14	0.72
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD3	14	0.72
(1,258)	1:23:A:ARG:HG3	1:41:A:SER:HB3	10	0.72
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	12	0.72
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	12	0.72
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	12	0.72
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	12	0.72
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	12	0.72
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	12	0.72
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	14	0.72
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	14	0.72
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	17	0.71
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	7	0.71
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	7	0.71
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	16	0.71
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	16	0.71
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	16	0.71
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	16	0.71
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	3	0.71
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	16	0.71
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	19	0.71
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	20	0.71
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	5	0.71
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	10	0.71
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	10	0.71
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	10	0.71
(1,1471)	1:96:A:GLU:HA	1:98:A:ASN:HD22	5	0.71
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG11	2	0.71
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG12	2	0.71
(1,1460)	1:34:A:LYS:H	1:35:A:VAL:HG13	2	0.71
(1,1440)	1:63:A:VAL:HA	1:65:A:THR:H	19	0.71
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	12	0.71
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	12	0.71
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	12	0.71
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	5	0.71
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	5	0.71
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	5	0.71
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	5	0.71
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	5	0.71
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	5	0.71
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	5	0.71
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	5	0.71
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	10	0.71
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	10	0.71
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	10	0.71
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	19	0.71
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	19	0.71
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	19	0.71
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	12	0.71
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	12	0.71
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	12	0.71
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	18	0.71
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	18	0.71
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	18	0.71
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG2	5	0.71
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG3	5	0.71
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG2	5	0.71
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG3	5	0.71
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG2	5	0.71
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG3	5	0.71
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG2	20	0.71
(1,665)	1:45:A:VAL:HG11	1:46:A:GLU:HG3	20	0.71
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG2	20	0.71
(1,665)	1:45:A:VAL:HG12	1:46:A:GLU:HG3	20	0.71
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG2	20	0.71
(1,665)	1:45:A:VAL:HG13	1:46:A:GLU:HG3	20	0.71
(1,638)	1:13:A:VAL:H	1:13:A:VAL:HG21	17	0.71
(1,638)	1:13:A:VAL:H	1:13:A:VAL:HG22	17	0.71
(1,638)	1:13:A:VAL:H	1:13:A:VAL:HG23	17	0.71
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG21	5	0.71
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG22	5	0.71
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG23	5	0.71
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG21	5	0.71
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG22	5	0.71
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG23	5	0.71
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG21	5	0.71
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG22	5	0.71
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG23	5	0.71
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	6	0.71
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	6	0.71
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	6	0.71
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	6	0.71
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	6	0.71
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	6	0.71
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	6	0.71
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	6	0.71
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	7	0.71
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	7	0.71
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	7	0.71
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	7	0.71
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	7	0.71
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	7	0.71
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	7	0.71
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	7	0.71
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	7	0.71
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	16	0.71
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	16	0.71
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	16	0.71
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	16	0.71
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	16	0.71
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	16	0.71
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	16	0.71
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	16	0.71
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	16	0.71
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	7	0.71
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	7	0.71
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	7	0.71
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	16	0.71
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	16	0.71
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG11	7	0.71
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG12	7	0.71
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG13	7	0.71
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	11	0.71
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	11	0.71
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	11	0.71
(1,339)	1:40:A:CYS:HB3	1:42:A:VAL:HB	20	0.71
(1,339)	1:40:A:CYS:HB2	1:42:A:VAL:HB	20	0.71
(1,322)	1:51:A:VAL:HB	1:97:A:GLU:HB3	17	0.71
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	15	0.71
(1,258)	1:23:A:ARG:HG3	1:41:A:SER:HB3	12	0.71
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	15	0.71
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	15	0.71
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,209)	1:87:A:THR:HB	1:89:A:TYR:H	5	0.71
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	15	0.71
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	15	0.71
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG21	20	0.7
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG22	20	0.7
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG23	20	0.7
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG21	20	0.7
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG22	20	0.7
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG23	20	0.7
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	13	0.7
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD1	16	0.7
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD2	16	0.7
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD1	16	0.7
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD2	16	0.7
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD1	16	0.7
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD2	16	0.7
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD1	16	0.7
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD2	16	0.7
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD1	16	0.7
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD2	16	0.7
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD1	16	0.7
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD2	16	0.7
(1,1646)	1:91:A:PHE:HD2	1:104:A:TYR:HD2	5	0.7
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	1	0.7
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	4	0.7
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	18	0.7
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	20	0.7
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	20	0.7
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD11	12	0.7
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD12	12	0.7
(1,1384)	1:74:A:THR:H	1:78:A:ILE:HD13	12	0.7
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD11	4	0.7
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD12	4	0.7
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD13	4	0.7
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB1	4	0.7
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB2	4	0.7
(1,769)	1:53:A:GLU:HB2	1:55:A:ALA:HB3	4	0.7
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	18	0.7
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	19	0.7
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	19	0.7
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	19	0.7
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	3	0.7
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	3	0.7
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	3	0.7
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	3	0.7
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	3	0.7
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	3	0.7
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	3	0.7
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	3	0.7
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	14	0.7
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	14	0.7
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	14	0.7
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	14	0.7
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	14	0.7
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	14	0.7
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	14	0.7
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	14	0.7
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	14	0.7
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	19	0.7
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	19	0.7
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	19	0.7
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	19	0.7
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	19	0.7
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	19	0.7
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	3	0.7
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	9	0.7
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	9	0.7
(1,333)	1:99:A:PHE:HD1	1:100:A:SER:HB3	20	0.7
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	4	0.7
(1,258)	1:23:A:ARG:HG3	1:41:A:SER:HB3	7	0.7
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	3	0.7
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	3	0.7
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	3	0.7
(1,88)	1:6:A:VAL:HG11	1:8:A:PHE:HB3	12	0.7
(1,88)	1:6:A:VAL:HG12	1:8:A:PHE:HB3	12	0.7
(1,88)	1:6:A:VAL:HG13	1:8:A:PHE:HB3	12	0.7
(1,88)	1:6:A:VAL:HG21	1:8:A:PHE:HB3	12	0.7
(1,88)	1:6:A:VAL:HG22	1:8:A:PHE:HB3	12	0.7
(1,88)	1:6:A:VAL:HG23	1:8:A:PHE:HB3	12	0.7
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	7	0.69
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	7	0.69
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	13	0.69
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	13	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	13	0.69
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	13	0.69
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	13	0.69
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	13	0.69
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	15	0.69
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	15	0.69
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	15	0.69
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	15	0.69
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	15	0.69
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	15	0.69
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD1	16	0.69
(1,1638)	1:3:A:ILE:HG21	1:19:A:TYR:HD2	16	0.69
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD1	16	0.69
(1,1638)	1:3:A:ILE:HG22	1:19:A:TYR:HD2	16	0.69
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD1	16	0.69
(1,1638)	1:3:A:ILE:HG23	1:19:A:TYR:HD2	16	0.69
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	7	0.69
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	5	0.69
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	5	0.69
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	5	0.69
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	4	0.69
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	4	0.69
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	16	0.69
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	16	0.69
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	8	0.69
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	17	0.69
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	8	0.69
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	20	0.69
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	20	0.69
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	20	0.69
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	17	0.69
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	17	0.69
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	17	0.69
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD21	19	0.69
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD22	19	0.69
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD23	19	0.69
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD21	19	0.69
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD22	19	0.69
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD23	19	0.69
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD21	19	0.69
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD22	19	0.69
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD23	19	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	1	0.69
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	1	0.69
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	1	0.69
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	1	0.69
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	1	0.69
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	1	0.69
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	1	0.69
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	1	0.69
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	1	0.69
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	12	0.69
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	12	0.69
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	12	0.69
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	16	0.69
(1,392)	1:102:A:ARG:HG3	1:103:A:MET:HA	18	0.69
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	5	0.69
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	8	0.69
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	8	0.69
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	8	0.69
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	8	0.69
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	8	0.69
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	8	0.69
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	11	0.69
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	11	0.69
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	20	0.69
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	20	0.69
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	16	0.68
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	16	0.68
(1,1646)	1:91:A:PHE:HD2	1:104:A:TYR:HD2	12	0.68
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	11	0.68
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	15	0.68
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	19	0.68
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	9	0.68
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	2	0.68
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	2	0.68
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	2	0.68
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	6	0.68
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	17	0.68
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	7	0.68
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	7	0.68
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	7	0.68
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	13	0.68
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	13	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	13	0.68
(1,1344)	1:42:A:VAL:HA	1:44:A:THR:H	9	0.68
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	6	0.68
(1,938)	1:97:A:GLU:H	1:98:A:ASN:HD22	16	0.68
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	12	0.68
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	12	0.68
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	12	0.68
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE2	7	0.68
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE3	7	0.68
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE2	7	0.68
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE3	7	0.68
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE2	7	0.68
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE3	7	0.68
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD21	9	0.68
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD22	9	0.68
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD23	9	0.68
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD21	9	0.68
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD22	9	0.68
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD23	9	0.68
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD21	9	0.68
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD22	9	0.68
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD23	9	0.68
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD21	11	0.68
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD22	11	0.68
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD23	11	0.68
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD21	11	0.68
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD22	11	0.68
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD23	11	0.68
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD21	11	0.68
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD22	11	0.68
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD23	11	0.68
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	6	0.68
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	6	0.68
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	6	0.68
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	9	0.68
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	9	0.68
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	9	0.68
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	10	0.68
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	10	0.68
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	10	0.68
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD21	10	0.68
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD22	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD23	10	0.68
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD21	10	0.68
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD22	10	0.68
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD23	10	0.68
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD21	10	0.68
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD22	10	0.68
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD23	10	0.68
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	15	0.68
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	15	0.68
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	15	0.68
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	15	0.68
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	15	0.68
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	15	0.68
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	15	0.68
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	15	0.68
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	15	0.68
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	16	0.68
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	16	0.68
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	16	0.68
(1,511)	1:73:A:LEU:HD11	1:75:A:ASN:HD22	16	0.68
(1,511)	1:73:A:LEU:HD12	1:75:A:ASN:HD22	16	0.68
(1,511)	1:73:A:LEU:HD13	1:75:A:ASN:HD22	16	0.68
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	15	0.68
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	8	0.68
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	2	0.68
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	2	0.68
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	2	0.68
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	2	0.68
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	2	0.68
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	2	0.68
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	16	0.68
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	16	0.68
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	16	0.68
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	16	0.68
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	16	0.68
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	16	0.68
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	2	0.68
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	2	0.68
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	2	0.68
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	9	0.68
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	9	0.68
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	9	0.68
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	15	0.68
(1,363)	1:110:A:PRO:HG3	1:111:A:ASP:HA	17	0.68
(1,362)	1:91:A:PHE:HE2	1:110:A:PRO:HG3	2	0.68
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	11	0.68
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	13	0.68
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	9	0.68
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	9	0.68
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	9	0.68
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	7	0.68
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	7	0.68
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	7	0.68
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	9	0.67
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	9	0.67
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	18	0.67
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	18	0.67
(1,1639)	1:19:A:TYR:HD1	1:45:A:VAL:HB	20	0.67
(1,1639)	1:19:A:TYR:HD2	1:45:A:VAL:HB	20	0.67
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	10	0.67
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	2	0.67
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	2	0.67
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	2	0.67
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	19	0.67
(1,983)	1:62:A:VAL:H	1:65:A:THR:HB	11	0.67
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	11	0.67
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	11	0.67
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	11	0.67
(1,704)	1:32:A:VAL:HG11	1:83:A:TRP:HE1	19	0.67
(1,704)	1:32:A:VAL:HG12	1:83:A:TRP:HE1	19	0.67
(1,704)	1:32:A:VAL:HG13	1:83:A:TRP:HE1	19	0.67
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	11	0.67
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	11	0.67
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	11	0.67
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD21	9	0.67
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD22	9	0.67
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD23	9	0.67
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD21	9	0.67
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD22	9	0.67
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD23	9	0.67
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD21	9	0.67
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD22	9	0.67
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD23	9	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	15	0.67
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	1	0.67
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	1	0.67
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	1	0.67
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	7	0.67
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	7	0.67
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	7	0.67
(1,322)	1:51:A:VAL:HB	1:97:A:GLU:HB3	20	0.67
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	1	0.67
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	14	0.67
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	18	0.67
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	10	0.67
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	16	0.67
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	16	0.67
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	16	0.67
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	11	0.67
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	11	0.67
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	11	0.67
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	11	0.67
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	11	0.67
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	11	0.67
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	2	0.67
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	2	0.67
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	18	0.67
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	18	0.67
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	18	0.67
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	18	0.67
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	18	0.67
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	18	0.67
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	3	0.66
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	3	0.66
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	15	0.66
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	15	0.66
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	8	0.66
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	12	0.66
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	13	0.66
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	17	0.66
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	3	0.66
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	3	0.66
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	3	0.66
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	6	0.66
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	6	0.66
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	14	0.66
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	14	0.66
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	14	0.66
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	15	0.66
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	15	0.66
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	15	0.66
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	15	0.66
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	15	0.66
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	15	0.66
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	15	0.66
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	15	0.66
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	15	0.66
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	15	0.66
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	15	0.66
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	15	0.66
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE2	2	0.66
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE3	2	0.66
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE2	2	0.66
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE3	2	0.66
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE2	2	0.66
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE3	2	0.66
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD21	16	0.66
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD22	16	0.66
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD23	16	0.66
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD21	16	0.66
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD22	16	0.66
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD23	16	0.66
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD21	16	0.66
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD22	16	0.66
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD23	16	0.66
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	5	0.66
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	5	0.66
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	5	0.66
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	5	0.66
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	5	0.66
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	5	0.66
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	5	0.66
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	5	0.66
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	5	0.66
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	5	0.66
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	5	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	5	0.66
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	5	0.66
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	5	0.66
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	5	0.66
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	5	0.66
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	5	0.66
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	5	0.66
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	5	0.66
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	5	0.66
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	5	0.66
(1,608)	1:7:A:THR:H	1:8:A:PHE:HA	11	0.66
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	2	0.66
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	2	0.66
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	2	0.66
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	12	0.66
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	12	0.66
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	12	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	2	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	2	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	2	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	2	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	2	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	2	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	2	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	2	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	2	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	4	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	4	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	4	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	4	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	4	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	4	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	4	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	4	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	4	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	5	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	5	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	5	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	5	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	5	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	5	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	5	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	5	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	5	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	8	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	8	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	8	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	8	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	8	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	8	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	8	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	8	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	8	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	9	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	9	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	9	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	9	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	9	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	9	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	9	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	9	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	9	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	11	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	11	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	11	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	11	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	11	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	11	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	11	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	11	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	11	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	12	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	12	0.66
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	12	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	12	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	12	0.66
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	12	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	12	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	12	0.66
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	12	0.66
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD21	9	0.66
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD22	9	0.66
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD23	9	0.66
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD21	9	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD22	9	0.66
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD23	9	0.66
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD21	9	0.66
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD22	9	0.66
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD23	9	0.66
(1,501)	1:80:A:LEU:HD21	1:83:A:TRP:H	16	0.66
(1,501)	1:80:A:LEU:HD22	1:83:A:TRP:H	16	0.66
(1,501)	1:80:A:LEU:HD23	1:83:A:TRP:H	16	0.66
(1,481)	1:67:A:GLN:HA	1:71:A:ASP:H	18	0.66
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	20	0.66
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	20	0.66
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	20	0.66
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	20	0.66
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	20	0.66
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	20	0.66
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	5	0.66
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	5	0.66
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	4	0.66
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	4	0.66
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	4	0.66
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	9	0.66
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	12	0.66
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	19	0.66
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	5	0.66
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	5	0.66
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	5	0.66
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	12	0.66
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	12	0.66
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	12	0.66
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	11	0.66
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	11	0.66
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	10	0.66
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	10	0.66
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	4	0.66
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	4	0.66
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	4	0.66
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	9	0.66
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	9	0.66
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	15	0.66
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	15	0.66
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	17	0.66
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:91:A:PHE:HD1	1:97:A:GLU:HG2	14	0.66
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	11	0.66
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	11	0.66
(1,23)	1:23:A:ARG:H	1:23:A:ARG:HD3	19	0.66
(1,1639)	1:19:A:TYR:HD1	1:45:A:VAL:HB	16	0.65
(1,1639)	1:19:A:TYR:HD2	1:45:A:VAL:HB	16	0.65
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	6	0.65
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	6	0.65
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	14	0.65
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	14	0.65
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	15	0.65
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	15	0.65
(1,1594)	1:30:A:GLU:HA	1:32:A:VAL:H	1	0.65
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	5	0.65
(1,1582)	1:66:A:LEU:HA	1:69:A:VAL:H	6	0.65
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	6	0.65
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	8	0.65
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	17	0.65
(1,1517)	1:72:A:LEU:HD21	1:75:A:ASN:HD21	7	0.65
(1,1517)	1:72:A:LEU:HD22	1:75:A:ASN:HD21	7	0.65
(1,1517)	1:72:A:LEU:HD23	1:75:A:ASN:HD21	7	0.65
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	10	0.65
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	1	0.65
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	18	0.65
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	18	0.65
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	18	0.65
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	10	0.65
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	10	0.65
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	10	0.65
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	10	0.65
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	10	0.65
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	10	0.65
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	10	0.65
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	10	0.65
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	10	0.65
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	10	0.65
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	10	0.65
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	10	0.65
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	17	0.65
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	17	0.65
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	17	0.65
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	17	0.65
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	17	0.65
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	17	0.65
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	17	0.65
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	17	0.65
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	20	0.65
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	20	0.65
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	20	0.65
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	20	0.65
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	20	0.65
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	20	0.65
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	20	0.65
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	20	0.65
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	20	0.65
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	15	0.65
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	15	0.65
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	15	0.65
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	11	0.65
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	11	0.65
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	11	0.65
(1,472)	1:4:A:LYS:HG3	1:5:A:GLY:H	2	0.65
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	9	0.65
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD21	12	0.65
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD22	12	0.65
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD23	12	0.65
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD21	12	0.65
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD22	12	0.65
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD23	12	0.65
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD21	12	0.65
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD22	12	0.65
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD23	12	0.65
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD2	20	0.65
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD3	20	0.65
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD2	20	0.65
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD3	20	0.65
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	2	0.65
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	3	0.65
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	6	0.65
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	8	0.65
(1,264)	1:14:A:TRP:HB2	1:14:A:TRP:HZ3	16	0.65
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	18	0.65
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	18	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	1	0.65
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	1	0.65
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	20	0.65
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	20	0.65
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	20	0.65
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	2	0.64
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	2	0.64
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG21	16	0.64
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG22	16	0.64
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG23	16	0.64
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG21	16	0.64
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG22	16	0.64
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG23	16	0.64
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	6	0.64
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	13	0.64
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	7	0.64
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	7	0.64
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	7	0.64
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	7	0.64
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	7	0.64
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	7	0.64
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	7	0.64
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	7	0.64
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	7	0.64
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	12	0.64
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	12	0.64
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	12	0.64
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	12	0.64
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	12	0.64
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	12	0.64
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	12	0.64
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	12	0.64
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	12	0.64
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	2	0.64
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	2	0.64
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	2	0.64
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	10	0.64
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	10	0.64
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	10	0.64
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG11	19	0.64
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG12	19	0.64
(1,708)	1:30:A:GLU:HA	1:32:A:VAL:HG13	19	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	7	0.64
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	7	0.64
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	7	0.64
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	16	0.64
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	16	0.64
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	16	0.64
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	10	0.64
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	10	0.64
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	10	0.64
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	8	0.64
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	8	0.64
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	8	0.64
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	15	0.64
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	15	0.64
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	15	0.64
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	7	0.64
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	7	0.64
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	7	0.64
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	7	0.64
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	7	0.64
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	7	0.64
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	6	0.64
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	16	0.64
(1,322)	1:51:A:VAL:HB	1:97:A:GLU:HB3	13	0.64
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	8	0.64
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	8	0.64
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	8	0.64
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	20	0.64
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	20	0.64
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	20	0.64
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	19	0.64
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	19	0.64
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	19	0.64
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG2	1	0.64
(1,212)	1:16:A:VAL:HB	1:17:A:GLN:HG3	1	0.64
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	1	0.64
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	1	0.64
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	1	0.64
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	4	0.64
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	8	0.64
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	13	0.64
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	5	0.64
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD11	13	0.64
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD12	13	0.64
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD13	13	0.64
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	11	0.64
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	11	0.64
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	13	0.64
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	13	0.64
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	13	0.64
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	13	0.64
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	13	0.64
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	13	0.64
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	8	0.63
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	8	0.63
(1,1678)	1:20:A:LYS:HG3	1:99:A:PHE:HD2	14	0.63
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD1	4	0.63
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD2	4	0.63
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD1	4	0.63
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD2	4	0.63
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD1	4	0.63
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD2	4	0.63
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD1	4	0.63
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD2	4	0.63
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD1	4	0.63
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD2	4	0.63
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD1	4	0.63
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD2	4	0.63
(1,1645)	1:89:A:TYR:HD1	1:91:A:PHE:HE2	7	0.63
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	3	0.63
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	11	0.63
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	13	0.63
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	2	0.63
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	11	0.63
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	11	0.63
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	11	0.63
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	1	0.63
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	1	0.63
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	1	0.63
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG21	20	0.63
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG22	20	0.63
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG23	20	0.63
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	13	0.63
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	13	0.63
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	9	0.63
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	9	0.63
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	9	0.63
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	9	0.63
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	9	0.63
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	9	0.63
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	19	0.63
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	19	0.63
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	19	0.63
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	19	0.63
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	19	0.63
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	19	0.63
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	19	0.63
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	19	0.63
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	19	0.63
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	13	0.63
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	8	0.63
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	8	0.63
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	8	0.63
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	8	0.63
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	8	0.63
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	8	0.63
(1,392)	1:102:A:ARG:HG3	1:103:A:MET:HA	8	0.63
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	10	0.63
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	10	0.63
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	10	0.63
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	10	0.63
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	10	0.63
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	10	0.63
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG2	18	0.63
(1,187)	1:16:A:VAL:HA	1:17:A:GLN:HG3	18	0.63
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	1	0.63
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	11	0.63
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	4	0.63
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	4	0.63
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	4	0.63
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	4	0.63
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	4	0.63
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	4	0.63
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	5	0.63
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	5	0.63
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	5	0.63
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	5	0.63
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	5	0.63
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	12	0.63
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	12	0.63
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	12	0.63
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	12	0.63
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	12	0.63
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	12	0.63
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	13	0.62
(1,1496)	1:23:A:ARG:HG3	1:41:A:SER:H	1	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	1	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	2	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	4	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	5	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	6	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	8	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	9	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	11	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	12	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	13	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	14	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	15	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	16	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	17	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	19	0.62
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	20	0.62
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	17	0.62
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	11	0.62
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	11	0.62
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	11	0.62
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	11	0.62
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	11	0.62
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	11	0.62
(1,1113)	1:63:A:VAL:HG21	1:67:A:GLN:H	5	0.62
(1,1113)	1:63:A:VAL:HG22	1:67:A:GLN:H	5	0.62
(1,1113)	1:63:A:VAL:HG23	1:67:A:GLN:H	5	0.62
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE1	13	0.62
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE2	13	0.62
(1,795)	1:73:A:LEU:HD11	1:76:A:MET:HE3	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE1	13	0.62
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE2	13	0.62
(1,795)	1:73:A:LEU:HD12	1:76:A:MET:HE3	13	0.62
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE1	13	0.62
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE2	13	0.62
(1,795)	1:73:A:LEU:HD13	1:76:A:MET:HE3	13	0.62
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	4	0.62
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	4	0.62
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	4	0.62
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	15	0.62
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	15	0.62
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	15	0.62
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	5	0.62
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	5	0.62
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	5	0.62
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD21	14	0.62
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD22	14	0.62
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD23	14	0.62
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD21	14	0.62
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD22	14	0.62
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD23	14	0.62
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD21	14	0.62
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD22	14	0.62
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD23	14	0.62
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG21	18	0.62
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG22	18	0.62
(1,539)	1:51:A:VAL:HG11	1:52:A:THR:HG23	18	0.62
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG21	18	0.62
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG22	18	0.62
(1,539)	1:51:A:VAL:HG12	1:52:A:THR:HG23	18	0.62
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG21	18	0.62
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG22	18	0.62
(1,539)	1:51:A:VAL:HG13	1:52:A:THR:HG23	18	0.62
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	14	0.62
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	14	0.62
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	14	0.62
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	15	0.62
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	15	0.62
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	15	0.62
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	15	0.62
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	15	0.62
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	15	0.62
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	15	0.62
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	15	0.62
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	16	0.62
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	16	0.62
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	2	0.62
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	2	0.62
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	2	0.62
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	2	0.62
(1,209)	1:87:A:THR:HB	1:89:A:TYR:H	11	0.62
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	12	0.62
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	12	0.62
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	9	0.62
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	9	0.62
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	9	0.62
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	9	0.62
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	9	0.62
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	9	0.62
(1,1645)	1:89:A:TYR:HD1	1:91:A:PHE:HE2	12	0.61
(1,1639)	1:19:A:TYR:HD1	1:45:A:VAL:HB	9	0.61
(1,1639)	1:19:A:TYR:HD2	1:45:A:VAL:HB	9	0.61
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	9	0.61
(1,1496)	1:23:A:ARG:HG3	1:41:A:SER:H	8	0.61
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	3	0.61
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	7	0.61
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	10	0.61
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	11	0.61
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	11	0.61
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	11	0.61
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	8	0.61
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	8	0.61
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	8	0.61
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	19	0.61
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	19	0.61
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	19	0.61
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	10	0.61
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	8	0.61
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	8	0.61
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	8	0.61
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	11	0.61
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	11	0.61
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD21	16	0.61
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD22	16	0.61
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD23	16	0.61
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD21	16	0.61
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD22	16	0.61
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD23	16	0.61
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD21	16	0.61
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD22	16	0.61
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD23	16	0.61
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	1	0.61
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	1	0.61
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	1	0.61
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	14	0.61
(1,258)	1:23:A:ARG:HG3	1:41:A:SER:HB3	2	0.61
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	19	0.61
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	13	0.61
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	13	0.61
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	19	0.61
(1,23)	1:23:A:ARG:H	1:23:A:ARG:HD3	7	0.61
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG11	7	0.61
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG12	7	0.61
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG13	7	0.61
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG21	7	0.61
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG22	7	0.61
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG23	7	0.61
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	1	0.6
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	1	0.6
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	1	0.6
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	9	0.6
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	9	0.6
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	14	0.6
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	14	0.6
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD2	6	0.6
(1,1682)	1:45:A:VAL:HG21	1:99:A:PHE:HD2	14	0.6
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	3	0.6
(1,1591)	1:32:A:VAL:H	1:33:A:ASP:HB2	18	0.6
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	20	0.6
(1,1484)	1:11:A:ASP:HA	1:12:A:THR:H	18	0.6
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	9	0.6
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	4	0.6
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD11	10	0.6
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD12	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD13	10	0.6
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD11	10	0.6
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD12	10	0.6
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD13	10	0.6
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD11	10	0.6
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD12	10	0.6
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD13	10	0.6
(1,728)	1:51:A:VAL:HG11	1:55:A:ALA:HA	9	0.6
(1,728)	1:51:A:VAL:HG12	1:55:A:ALA:HA	9	0.6
(1,728)	1:51:A:VAL:HG13	1:55:A:ALA:HA	9	0.6
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	20	0.6
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	20	0.6
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	20	0.6
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	18	0.6
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	18	0.6
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	18	0.6
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	17	0.6
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	17	0.6
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	5	0.6
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	5	0.6
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG11	11	0.6
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG12	11	0.6
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG13	11	0.6
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	1	0.6
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	1	0.6
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	1	0.6
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	18	0.6
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	18	0.6
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	18	0.6
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	8	0.6
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	8	0.6
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	8	0.6
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	8	0.6
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	8	0.6
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	8	0.6
(1,88)	1:6:A:VAL:HG11	1:8:A:PHE:HB3	10	0.6
(1,88)	1:6:A:VAL:HG12	1:8:A:PHE:HB3	10	0.6
(1,88)	1:6:A:VAL:HG13	1:8:A:PHE:HB3	10	0.6
(1,88)	1:6:A:VAL:HG21	1:8:A:PHE:HB3	10	0.6
(1,88)	1:6:A:VAL:HG22	1:8:A:PHE:HB3	10	0.6
(1,88)	1:6:A:VAL:HG23	1:8:A:PHE:HB3	10	0.6
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG11	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG12	19	0.6
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG13	19	0.6
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG21	19	0.6
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG22	19	0.6
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG23	19	0.6
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	10	0.59
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	10	0.59
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	10	0.59
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	1	0.59
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	17	0.59
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	7	0.59
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	7	0.59
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	16	0.59
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	4	0.59
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	4	0.59
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	4	0.59
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	14	0.59
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	8	0.59
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	8	0.59
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	8	0.59
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	6	0.59
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	6	0.59
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	6	0.59
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	6	0.59
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	6	0.59
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	6	0.59
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	6	0.59
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	6	0.59
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	6	0.59
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	14	0.59
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	14	0.59
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	14	0.59
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE2	3	0.59
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE3	3	0.59
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE2	3	0.59
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE3	3	0.59
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE2	3	0.59
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE3	3	0.59
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	3	0.59
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	3	0.59
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	3	0.59
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	3	0.59
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	3	0.59
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	3	0.59
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	3	0.59
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	3	0.59
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG21	10	0.59
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG22	10	0.59
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG23	10	0.59
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	11	0.59
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	11	0.59
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	11	0.59
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	5	0.59
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	5	0.59
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	5	0.59
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	20	0.59
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	20	0.59
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	20	0.59
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	20	0.59
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	20	0.59
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	20	0.59
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	20	0.59
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	20	0.59
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	20	0.59
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	15	0.59
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	2	0.59
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	2	0.59
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	2	0.59
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	2	0.59
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	2	0.59
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	2	0.59
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	14	0.59
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	14	0.59
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	14	0.59
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	14	0.59
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	14	0.59
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	14	0.59
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	4	0.59
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	14	0.59
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	14	0.59
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	14	0.59
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	14	0.59
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	14	0.59
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	14	0.59
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	14	0.59
(1,23)	1:23:A:ARG:H	1:23:A:ARG:HD3	1	0.59
(1,1785)	1:29:A:ASP:HB2	1:83:A:TRP:HZ2	5	0.58
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE1	11	0.58
(1,1773)	1:92:A:ASP:HB2	1:104:A:TYR:HE2	11	0.58
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	19	0.58
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	19	0.58
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	8	0.58
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	8	0.58
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	14	0.58
(1,1084)	1:94:A:ALA:H	1:96:A:GLU:HB2	12	0.58
(1,583)	1:49:A:THR:HG21	1:50:A:GLU:HA	1	0.58
(1,583)	1:49:A:THR:HG22	1:50:A:GLU:HA	1	0.58
(1,583)	1:49:A:THR:HG23	1:50:A:GLU:HA	1	0.58
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	7	0.58
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	7	0.58
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	7	0.58
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	13	0.58
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	13	0.58
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	13	0.58
(1,490)	1:72:A:LEU:HD21	1:75:A:ASN:HD22	19	0.58
(1,490)	1:72:A:LEU:HD22	1:75:A:ASN:HD22	19	0.58
(1,490)	1:72:A:LEU:HD23	1:75:A:ASN:HD22	19	0.58
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	9	0.58
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	9	0.58
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	9	0.58
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	7	0.58
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	7	0.58
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	7	0.58
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	7	0.58
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	7	0.58
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	7	0.58
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	13	0.58
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	13	0.58
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD2	5	0.58
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD3	5	0.58
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD2	5	0.58
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD3	5	0.58
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD2	11	0.58
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD3	11	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD2	11	0.58
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD3	11	0.58
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB1	2	0.58
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB2	2	0.58
(1,228)	1:51:A:VAL:HB	1:55:A:ALA:HB3	2	0.58
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	7	0.58
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	14	0.58
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	14	0.58
(1,123)	1:38:A:GLU:H	1:38:A:GLU:HG2	1	0.58
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	4	0.57
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	4	0.57
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	19	0.57
(1,1694)	1:28:A:LEU:HD12	1:107:A:PHE:HD2	9	0.57
(1,1589)	1:31:A:ARG:HE	1:32:A:VAL:H	9	0.57
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	6	0.57
(1,1417)	1:93:A:ASP:H	1:100:A:SER:HB3	20	0.57
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	1	0.57
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	8	0.57
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	8	0.57
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	8	0.57
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	8	0.57
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	8	0.57
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	8	0.57
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	5	0.57
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	20	0.57
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	20	0.57
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	20	0.57
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	11	0.57
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	11	0.57
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	11	0.57
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	7	0.57
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	7	0.57
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	7	0.57
(1,608)	1:7:A:THR:H	1:8:A:PHE:HA	10	0.57
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD21	15	0.57
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD22	15	0.57
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD23	15	0.57
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD21	15	0.57
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD22	15	0.57
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD23	15	0.57
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD21	15	0.57
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD22	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD23	15	0.57
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	16	0.57
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	16	0.57
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	16	0.57
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	20	0.57
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	20	0.57
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	20	0.57
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG2	5	0.57
(1,492)	1:72:A:LEU:HD21	1:76:A:MET:HG3	5	0.57
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG2	5	0.57
(1,492)	1:72:A:LEU:HD22	1:76:A:MET:HG3	5	0.57
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG2	5	0.57
(1,492)	1:72:A:LEU:HD23	1:76:A:MET:HG3	5	0.57
(1,490)	1:72:A:LEU:HD21	1:75:A:ASN:HD22	11	0.57
(1,490)	1:72:A:LEU:HD22	1:75:A:ASN:HD22	11	0.57
(1,490)	1:72:A:LEU:HD23	1:75:A:ASN:HD22	11	0.57
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	17	0.57
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	12	0.57
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	12	0.57
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	13	0.57
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	13	0.57
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	17	0.57
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	15	0.57
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	15	0.57
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	15	0.57
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	16	0.57
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	17	0.57
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	6	0.57
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	6	0.57
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	6	0.57
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	6	0.57
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	6	0.57
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	6	0.57
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	17	0.57
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	17	0.57
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	17	0.57
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	17	0.57
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	17	0.57
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	17	0.57
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG11	10	0.57
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG12	10	0.57
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG13	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG21	10	0.57
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG22	10	0.57
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG23	10	0.57
(1,1785)	1:29:A:ASP:HB2	1:83:A:TRP:HZ2	1	0.56
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	14	0.56
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	14	0.56
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD11	13	0.56
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD12	13	0.56
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD13	13	0.56
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD11	13	0.56
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD12	13	0.56
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD13	13	0.56
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	13	0.56
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	13	0.56
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	19	0.56
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	19	0.56
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	19	0.56
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	2	0.56
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	19	0.56
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	19	0.56
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	19	0.56
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	7	0.56
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	7	0.56
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	7	0.56
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	1	0.56
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	1	0.56
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	13	0.56
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	13	0.56
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	13	0.56
(1,1307)	1:71:A:ASP:HB3	1:73:A:LEU:H	11	0.56
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD11	9	0.56
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD12	9	0.56
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD13	9	0.56
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD11	9	0.56
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD12	9	0.56
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD13	9	0.56
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD11	9	0.56
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD12	9	0.56
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD13	9	0.56
(1,695)	1:28:A:LEU:HD11	1:106:A:SER:HA	9	0.56
(1,695)	1:28:A:LEU:HD12	1:106:A:SER:HA	9	0.56
(1,695)	1:28:A:LEU:HD13	1:106:A:SER:HA	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:28:A:LEU:HD21	1:106:A:SER:HA	9	0.56
(1,695)	1:28:A:LEU:HD22	1:106:A:SER:HA	9	0.56
(1,695)	1:28:A:LEU:HD23	1:106:A:SER:HA	9	0.56
(1,695)	1:28:A:LEU:HD11	1:106:A:SER:HA	18	0.56
(1,695)	1:28:A:LEU:HD12	1:106:A:SER:HA	18	0.56
(1,695)	1:28:A:LEU:HD13	1:106:A:SER:HA	18	0.56
(1,695)	1:28:A:LEU:HD21	1:106:A:SER:HA	18	0.56
(1,695)	1:28:A:LEU:HD22	1:106:A:SER:HA	18	0.56
(1,695)	1:28:A:LEU:HD23	1:106:A:SER:HA	18	0.56
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	1	0.56
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	17	0.56
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	17	0.56
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	17	0.56
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	17	0.56
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	17	0.56
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	17	0.56
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	17	0.56
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	17	0.56
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	17	0.56
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	17	0.56
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	17	0.56
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	17	0.56
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	17	0.56
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	17	0.56
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	17	0.56
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	17	0.56
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	17	0.56
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	17	0.56
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	6	0.56
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	6	0.56
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	6	0.56
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	9	0.56
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	9	0.56
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	9	0.56
(1,435)	1:64:A:LYS:HG2	1:67:A:GLN:HE22	5	0.56
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	13	0.56
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	6	0.56
(1,209)	1:87:A:THR:HB	1:89:A:TYR:H	1	0.56
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	6	0.56
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	6	0.56
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	18	0.56
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	18	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	18	0.56
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	18	0.56
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	18	0.56
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	18	0.56
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	2	0.56
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG11	14	0.55
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG12	14	0.55
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG13	14	0.55
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG11	14	0.55
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG12	14	0.55
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG13	14	0.55
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	4	0.55
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	7	0.55
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	9	0.55
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	18	0.55
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	3	0.55
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	3	0.55
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	3	0.55
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	1	0.55
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	1	0.55
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	1	0.55
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	19	0.55
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	19	0.55
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	6	0.55
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	15	0.55
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD11	2	0.55
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD12	2	0.55
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD13	2	0.55
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG21	9	0.55
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG22	9	0.55
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG23	9	0.55
(1,849)	1:13:A:VAL:HG21	1:14:A:TRP:HE1	7	0.55
(1,849)	1:13:A:VAL:HG22	1:14:A:TRP:HE1	7	0.55
(1,849)	1:13:A:VAL:HG23	1:14:A:TRP:HE1	7	0.55
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	17	0.55
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	17	0.55
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	17	0.55
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	17	0.55
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	17	0.55
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	17	0.55
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	17	0.55
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	17	0.55
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	16	0.55
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	16	0.55
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	16	0.55
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	1	0.55
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	1	0.55
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	1	0.55
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	13	0.55
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	13	0.55
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	13	0.55
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	7	0.55
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	7	0.55
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	7	0.55
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	12	0.55
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	12	0.55
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	12	0.55
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	19	0.55
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	19	0.55
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	19	0.55
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	3	0.55
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	3	0.55
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	3	0.55
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	6	0.55
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	6	0.55
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	6	0.55
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	6	0.55
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	6	0.55
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	6	0.55
(1,419)	1:67:A:GLN:HB3	1:68:A:PRO:HA	5	0.55
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	13	0.55
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	13	0.55
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	13	0.55
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	13	0.55
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	13	0.55
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	13	0.55
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	14	0.55
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	14	0.55
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	12	0.55
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	12	0.55
(1,350)	1:91:A:PHE:HE2	1:110:A:PRO:HG2	5	0.55
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	9	0.55
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	9	0.55
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	9	0.55
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	9	0.55
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	2	0.55
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	2	0.55
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	2	0.55
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	2	0.55
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	2	0.55
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	2	0.55
(1,88)	1:6:A:VAL:HG11	1:8:A:PHE:HB3	11	0.55
(1,88)	1:6:A:VAL:HG12	1:8:A:PHE:HB3	11	0.55
(1,88)	1:6:A:VAL:HG13	1:8:A:PHE:HB3	11	0.55
(1,88)	1:6:A:VAL:HG21	1:8:A:PHE:HB3	11	0.55
(1,88)	1:6:A:VAL:HG22	1:8:A:PHE:HB3	11	0.55
(1,88)	1:6:A:VAL:HG23	1:8:A:PHE:HB3	11	0.55
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	18	0.55
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	10	0.54
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	1	0.54
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	5	0.54
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	5	0.54
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	5	0.54
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG21	15	0.54
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG22	15	0.54
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG23	15	0.54
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG21	15	0.54
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG22	15	0.54
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG23	15	0.54
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG21	15	0.54
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG22	15	0.54
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG23	15	0.54
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	10	0.54
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	10	0.54
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	10	0.54
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	16	0.54
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	16	0.54
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	16	0.54
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	10	0.54
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	10	0.54
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	10	0.54
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	9	0.54
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	9	0.54
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	9	0.54
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	9	0.54
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	3	0.54
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	15	0.54
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	15	0.54
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	3	0.54
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	5	0.54
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	7	0.54
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	11	0.54
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	13	0.54
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	14	0.54
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	16	0.54
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	19	0.54
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	9	0.54
(1,23)	1:23:A:ARG:H	1:23:A:ARG:HD3	10	0.54
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	8	0.53
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	8	0.53
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	8	0.53
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	16	0.53
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	17	0.53
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	17	0.53
(1,1645)	1:89:A:TYR:HD1	1:91:A:PHE:HE2	5	0.53
(1,1591)	1:32:A:VAL:H	1:33:A:ASP:HB2	16	0.53
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	17	0.53
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	14	0.53
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	6	0.53
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	6	0.53
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	6	0.53
(1,1424)	1:33:A:ASP:HB3	1:37:A:ASN:H	4	0.53
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	10	0.53
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	15	0.53
(1,849)	1:13:A:VAL:HG21	1:14:A:TRP:HE1	10	0.53
(1,849)	1:13:A:VAL:HG22	1:14:A:TRP:HE1	10	0.53
(1,849)	1:13:A:VAL:HG23	1:14:A:TRP:HE1	10	0.53
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	14	0.53
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	14	0.53
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	14	0.53
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	9	0.53
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	13	0.53
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	13	0.53
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	13	0.53
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	2	0.53
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	2	0.53
(1,419)	1:67:A:GLN:HB3	1:68:A:PRO:HA	18	0.53
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	5	0.53
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	8	0.53
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	8	0.53
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD2	11	0.53
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD3	11	0.53
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	14	0.53
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	14	0.53
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	14	0.53
(1,204)	1:4:A:LYS:HB2	1:5:A:GLY:H	2	0.53
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	10	0.53
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	10	0.53
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	10	0.53
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	10	0.53
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	10	0.53
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	10	0.53
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	6	0.53
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	6	0.53
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	6	0.53
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	8	0.53
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	8	0.53
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	8	0.53
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	13	0.53
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	13	0.53
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	13	0.53
(1,168)	1:67:A:GLN:HG2	1:69:A:VAL:H	2	0.53
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	20	0.53
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	20	0.53
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	20	0.53
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	19	0.53
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	19	0.53
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	19	0.53
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	19	0.53
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	19	0.53
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	19	0.53
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	1	0.53
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	4	0.53
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	6	0.53
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	8	0.53
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	10	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	12	0.53
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	20	0.53
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	15	0.53
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	9	0.53
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD2	19	0.52
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	3	0.52
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	4	0.52
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	19	0.52
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	20	0.52
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	3	0.52
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	13	0.52
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	13	0.52
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	13	0.52
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	17	0.52
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	17	0.52
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	17	0.52
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	20	0.52
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	20	0.52
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	20	0.52
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD21	18	0.52
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD22	18	0.52
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD23	18	0.52
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD21	18	0.52
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD22	18	0.52
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD23	18	0.52
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD21	18	0.52
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD22	18	0.52
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD23	18	0.52
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	20	0.52
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	20	0.52
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	20	0.52
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	20	0.52
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	20	0.52
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	20	0.52
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	20	0.52
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	20	0.52
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	20	0.52
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	20	0.52
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	20	0.52
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	20	0.52
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	20	0.52
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	20	0.52
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	20	0.52
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	20	0.52
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	20	0.52
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	4	0.52
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	4	0.52
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	4	0.52
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	4	0.52
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	4	0.52
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	4	0.52
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	18	0.52
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	18	0.52
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	18	0.52
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	18	0.52
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	18	0.52
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	18	0.52
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD11	15	0.52
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD12	15	0.52
(1,574)	1:51:A:VAL:HG21	1:90:A:LEU:HD13	15	0.52
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD11	15	0.52
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD12	15	0.52
(1,574)	1:51:A:VAL:HG22	1:90:A:LEU:HD13	15	0.52
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD11	15	0.52
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD12	15	0.52
(1,574)	1:51:A:VAL:HG23	1:90:A:LEU:HD13	15	0.52
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	13	0.52
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	13	0.52
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	13	0.52
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	3	0.52
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	3	0.52
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	3	0.52
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	3	0.52
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	3	0.52
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	3	0.52
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	3	0.52
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	3	0.52
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	3	0.52
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	6	0.52
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	6	0.52
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	6	0.52
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	6	0.52
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	6	0.52
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	6	0.52
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	6	0.52
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	6	0.52
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	20	0.52
(1,419)	1:67:A:GLN:HB3	1:68:A:PRO:HA	12	0.52
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	1	0.52
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	1	0.52
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	15	0.52
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	15	0.52
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	18	0.52
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	18	0.52
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG11	13	0.52
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG12	13	0.52
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG13	13	0.52
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	14	0.52
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	4	0.52
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	16	0.52
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	16	0.52
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	16	0.52
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	1	0.52
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	1	0.52
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	13	0.52
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	13	0.52
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	6	0.52
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	6	0.52
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	6	0.52
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG11	5	0.52
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG12	5	0.52
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG13	5	0.52
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	14	0.51
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	11	0.51
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	13	0.51
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	14	0.51
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	16	0.51
(1,1594)	1:30:A:GLU:HA	1:32:A:VAL:H	16	0.51
(1,1591)	1:32:A:VAL:H	1:33:A:ASP:HB2	12	0.51
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	8	0.51
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	13	0.51
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	9	0.51
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	9	0.51
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	1:24:A:ILE:H	1:41:A:SER:HB3	2	0.51
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	9	0.51
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	9	0.51
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	9	0.51
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	16	0.51
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	16	0.51
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	16	0.51
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	10	0.51
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	10	0.51
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	10	0.51
(1,608)	1:7:A:THR:H	1:8:A:PHE:HA	3	0.51
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG21	20	0.51
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG22	20	0.51
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG23	20	0.51
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG21	20	0.51
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG22	20	0.51
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG23	20	0.51
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG21	20	0.51
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG22	20	0.51
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG23	20	0.51
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	6	0.51
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	6	0.51
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	6	0.51
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	17	0.51
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	17	0.51
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	17	0.51
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	17	0.51
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	17	0.51
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	17	0.51
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	17	0.51
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	17	0.51
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	17	0.51
(1,341)	1:73:A:LEU:HD21	1:78:A:ILE:HG12	20	0.51
(1,341)	1:73:A:LEU:HD21	1:78:A:ILE:HG13	20	0.51
(1,341)	1:73:A:LEU:HD22	1:78:A:ILE:HG12	20	0.51
(1,341)	1:73:A:LEU:HD22	1:78:A:ILE:HG13	20	0.51
(1,341)	1:73:A:LEU:HD23	1:78:A:ILE:HG12	20	0.51
(1,341)	1:73:A:LEU:HD23	1:78:A:ILE:HG13	20	0.51
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG11	9	0.51
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG12	9	0.51
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG13	9	0.51
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	3	0.51
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	5	0.51
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	16	0.51
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	11	0.51
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	15	0.51
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	15	0.51
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	15	0.51
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	15	0.51
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	15	0.51
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	15	0.51
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	11	0.51
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	11	0.51
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	11	0.51
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	11	0.51
(1,23)	1:23:A:ARG:H	1:23:A:ARG:HD3	15	0.51
(1,19)	1:23:A:ARG:H	1:23:A:ARG:HD2	14	0.51
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	8	0.5
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	20	0.5
(1,1645)	1:89:A:TYR:HD1	1:91:A:PHE:HE2	8	0.5
(1,1622)	1:24:A:ILE:HG13	1:43:A:TYR:HD1	14	0.5
(1,1622)	1:24:A:ILE:HG13	1:43:A:TYR:HD2	14	0.5
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	2	0.5
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	14	0.5
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	5	0.5
(1,1471)	1:96:A:GLU:HA	1:98:A:ASN:HD22	16	0.5
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	15	0.5
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	12	0.5
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	13	0.5
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	1	0.5
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	4	0.5
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	6	0.5
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	9	0.5
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	11	0.5
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	12	0.5
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	13	0.5
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	18	0.5
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	19	0.5
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	20	0.5
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	7	0.5
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	7	0.5
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	7	0.5
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	13	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	13	0.5
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	13	0.5
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	9	0.5
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	9	0.5
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	9	0.5
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	9	0.5
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	9	0.5
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	9	0.5
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	9	0.5
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	9	0.5
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	9	0.5
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	7	0.5
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	7	0.5
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	7	0.5
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	16	0.5
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	16	0.5
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	16	0.5
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	16	0.5
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	16	0.5
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	16	0.5
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	16	0.5
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	16	0.5
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	16	0.5
(1,608)	1:7:A:THR:H	1:8:A:PHE:HA	18	0.5
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	3	0.5
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	3	0.5
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	3	0.5
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	17	0.5
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	17	0.5
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	17	0.5
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	10	0.5
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	10	0.5
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	10	0.5
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	10	0.5
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	10	0.5
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	10	0.5
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	6	0.5
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	6	0.5
(1,350)	1:91:A:PHE:HE2	1:110:A:PRO:HG2	2	0.5
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG11	14	0.5
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG12	14	0.5
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG13	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:99:A:PHE:HD1	1:100:A:SER:HB3	7	0.5
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	8	0.5
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	18	0.5
(1,299)	1:35:A:VAL:HA	1:38:A:GLU:HG2	2	0.5
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	7	0.5
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	7	0.5
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	7	0.5
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG2	20	0.5
(1,188)	1:16:A:VAL:HG11	1:17:A:GLN:HG3	20	0.5
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG2	20	0.5
(1,188)	1:16:A:VAL:HG12	1:17:A:GLN:HG3	20	0.5
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG2	20	0.5
(1,188)	1:16:A:VAL:HG13	1:17:A:GLN:HG3	20	0.5
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	2	0.5
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	2	0.5
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	2	0.5
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	16	0.5
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	16	0.5
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	16	0.5
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	16	0.5
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	16	0.5
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	16	0.5
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	19	0.5
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	19	0.5
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	19	0.5
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	19	0.5
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	19	0.5
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	19	0.5
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	9	0.5
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	9	0.5
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	9	0.5
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	9	0.5
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	9	0.5
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	9	0.5
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	6	0.5
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	6	0.5
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	19	0.5
(1,1785)	1:29:A:ASP:HB2	1:83:A:TRP:HZ2	3	0.49
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	3	0.49
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	3	0.49
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	3	0.49
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	3	0.49
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	20	0.49
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	14	0.49
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	14	0.49
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	14	0.49
(1,1471)	1:96:A:GLU:HA	1:98:A:ASN:HD22	1	0.49
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	9	0.49
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	15	0.49
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	17	0.49
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	2	0.49
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	3	0.49
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	5	0.49
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	8	0.49
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	14	0.49
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	16	0.49
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	17	0.49
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD11	15	0.49
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD12	15	0.49
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD13	15	0.49
(1,849)	1:13:A:VAL:HG21	1:14:A:TRP:HE1	15	0.49
(1,849)	1:13:A:VAL:HG22	1:14:A:TRP:HE1	15	0.49
(1,849)	1:13:A:VAL:HG23	1:14:A:TRP:HE1	15	0.49
(1,849)	1:13:A:VAL:HG21	1:14:A:TRP:HE1	18	0.49
(1,849)	1:13:A:VAL:HG22	1:14:A:TRP:HE1	18	0.49
(1,849)	1:13:A:VAL:HG23	1:14:A:TRP:HE1	18	0.49
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	2	0.49
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	2	0.49
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	2	0.49
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	18	0.49
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	18	0.49
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	18	0.49
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG11	1	0.49
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG12	1	0.49
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG13	1	0.49
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG11	1	0.49
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG12	1	0.49
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG13	1	0.49
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG11	1	0.49
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG12	1	0.49
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG13	1	0.49
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	7	0.49
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	7	0.49
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	5	0.49
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	5	0.49
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	5	0.49
(1,608)	1:7:A:THR:H	1:8:A:PHE:HA	6	0.49
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG21	6	0.49
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG22	6	0.49
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG23	6	0.49
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG21	6	0.49
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG22	6	0.49
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG23	6	0.49
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG21	6	0.49
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG22	6	0.49
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG23	6	0.49
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	12	0.49
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	12	0.49
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	12	0.49
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	20	0.49
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	20	0.49
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	20	0.49
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	20	0.49
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	20	0.49
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	20	0.49
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	19	0.49
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	19	0.49
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	19	0.49
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	3	0.49
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	3	0.49
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG11	4	0.49
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG12	4	0.49
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG13	4	0.49
(1,333)	1:99:A:PHE:HD1	1:100:A:SER:HB3	5	0.49
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	13	0.49
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	19	0.49
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD2	16	0.49
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD3	16	0.49
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD2	16	0.49
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD3	16	0.49
(1,88)	1:6:A:VAL:HG11	1:8:A:PHE:HB3	8	0.49
(1,88)	1:6:A:VAL:HG12	1:8:A:PHE:HB3	8	0.49
(1,88)	1:6:A:VAL:HG13	1:8:A:PHE:HB3	8	0.49
(1,88)	1:6:A:VAL:HG21	1:8:A:PHE:HB3	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:6:A:VAL:HG22	1:8:A:PHE:HB3	8	0.49
(1,88)	1:6:A:VAL:HG23	1:8:A:PHE:HB3	8	0.49
(1,23)	1:23:A:ARG:H	1:23:A:ARG:HD3	3	0.49
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG11	18	0.49
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG12	18	0.49
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG13	18	0.49
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG21	18	0.49
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG22	18	0.49
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG23	18	0.49
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	12	0.49
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	12	0.49
(1,1782)	1:102:A:ARG:HE	1:104:A:TYR:HE1	20	0.48
(1,1782)	1:102:A:ARG:HE	1:104:A:TYR:HE2	20	0.48
(1,1693)	1:107:A:PHE:HA	1:107:A:PHE:HD1	15	0.48
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD11	17	0.48
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD12	17	0.48
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD13	17	0.48
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD11	17	0.48
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD12	17	0.48
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD13	17	0.48
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG21	14	0.48
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG22	14	0.48
(1,1634)	1:43:A:TYR:HD1	1:44:A:THR:HG23	14	0.48
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG21	14	0.48
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG22	14	0.48
(1,1634)	1:43:A:TYR:HD2	1:44:A:THR:HG23	14	0.48
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	10	0.48
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	10	0.48
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	10	0.48
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	18	0.48
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	9	0.48
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	9	0.48
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	9	0.48
(1,849)	1:13:A:VAL:HG21	1:14:A:TRP:HE1	1	0.48
(1,849)	1:13:A:VAL:HG22	1:14:A:TRP:HE1	1	0.48
(1,849)	1:13:A:VAL:HG23	1:14:A:TRP:HE1	1	0.48
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD11	4	0.48
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD12	4	0.48
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD13	4	0.48
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD11	4	0.48
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD12	4	0.48
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD13	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD11	4	0.48
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD12	4	0.48
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD13	4	0.48
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	8	0.48
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	8	0.48
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	8	0.48
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	2	0.48
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	2	0.48
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	2	0.48
(1,608)	1:7:A:THR:H	1:8:A:PHE:HA	9	0.48
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	4	0.48
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	4	0.48
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	4	0.48
(1,490)	1:72:A:LEU:HD21	1:75:A:ASN:HD22	6	0.48
(1,490)	1:72:A:LEU:HD22	1:75:A:ASN:HD22	6	0.48
(1,490)	1:72:A:LEU:HD23	1:75:A:ASN:HD22	6	0.48
(1,437)	1:63:A:VAL:HG21	1:64:A:LYS:HG2	5	0.48
(1,437)	1:63:A:VAL:HG22	1:64:A:LYS:HG2	5	0.48
(1,437)	1:63:A:VAL:HG23	1:64:A:LYS:HG2	5	0.48
(1,437)	1:63:A:VAL:HG21	1:64:A:LYS:HG2	12	0.48
(1,437)	1:63:A:VAL:HG22	1:64:A:LYS:HG2	12	0.48
(1,437)	1:63:A:VAL:HG23	1:64:A:LYS:HG2	12	0.48
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	15	0.48
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	12	0.48
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	3	0.48
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	3	0.48
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	3	0.48
(1,204)	1:4:A:LYS:HB2	1:5:A:GLY:H	10	0.48
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	18	0.48
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	2	0.48
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	2	0.48
(1,103)	1:91:A:PHE:HD1	1:97:A:GLU:HG2	5	0.48
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	2	0.48
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	13	0.48
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	11	0.48
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	11	0.48
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	13	0.47
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	13	0.47
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	2	0.47
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	12	0.47
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	13	0.47
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	9	0.47
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	9	0.47
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	9	0.47
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	10	0.47
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	10	0.47
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	5	0.47
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	7	0.47
(1,958)	1:28:A:LEU:H	1:29:A:ASP:HB3	3	0.47
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	2	0.47
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	2	0.47
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	2	0.47
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	5	0.47
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	5	0.47
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	5	0.47
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	7	0.47
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	7	0.47
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	7	0.47
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	8	0.47
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	8	0.47
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	8	0.47
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	12	0.47
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	12	0.47
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	12	0.47
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	16	0.47
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	16	0.47
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	16	0.47
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	17	0.47
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	17	0.47
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	17	0.47
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	17	0.47
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	17	0.47
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	17	0.47
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	18	0.47
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	18	0.47
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	18	0.47
(1,664)	1:45:A:VAL:HG11	1:49:A:THR:HB	5	0.47
(1,664)	1:45:A:VAL:HG12	1:49:A:THR:HB	5	0.47
(1,664)	1:45:A:VAL:HG13	1:49:A:THR:HB	5	0.47
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD21	12	0.47
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD22	12	0.47
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD23	12	0.47
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD21	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD22	12	0.47
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD23	12	0.47
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD21	12	0.47
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD22	12	0.47
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD23	12	0.47
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	11	0.47
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	11	0.47
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	11	0.47
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	11	0.47
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	11	0.47
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	11	0.47
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	11	0.47
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	11	0.47
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	11	0.47
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	11	0.47
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	11	0.47
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	11	0.47
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	11	0.47
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	11	0.47
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	11	0.47
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	11	0.47
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	11	0.47
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	11	0.47
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	18	0.47
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	18	0.47
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	18	0.47
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	18	0.47
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	18	0.47
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	18	0.47
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	18	0.47
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	18	0.47
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	18	0.47
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	18	0.47
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	18	0.47
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	18	0.47
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	18	0.47
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	18	0.47
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	18	0.47
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	18	0.47
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	18	0.47
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	18	0.47
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	15	0.47
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	15	0.47
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	5	0.47
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	5	0.47
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	5	0.47
(1,490)	1:72:A:LEU:HD21	1:75:A:ASN:HD22	3	0.47
(1,490)	1:72:A:LEU:HD22	1:75:A:ASN:HD22	3	0.47
(1,490)	1:72:A:LEU:HD23	1:75:A:ASN:HD22	3	0.47
(1,427)	1:34:A:LYS:HG3	1:37:A:ASN:H	12	0.47
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	6	0.47
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	6	0.47
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	6	0.47
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	6	0.47
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	6	0.47
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	6	0.47
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	18	0.47
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	18	0.47
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG11	5	0.47
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG12	5	0.47
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG13	5	0.47
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG11	6	0.47
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG12	6	0.47
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG13	6	0.47
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG11	14	0.47
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG12	14	0.47
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG13	14	0.47
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG11	14	0.47
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG12	14	0.47
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG13	14	0.47
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	19	0.47
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	19	0.47
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	19	0.47
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	11	0.47
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	11	0.47
(1,95)	1:24:A:ILE:HB	1:41:A:SER:HB3	17	0.47
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG21	20	0.47
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG22	20	0.47
(1,90)	1:21:A:ASN:HB2	1:22:A:VAL:HG23	20	0.47
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG21	20	0.47
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG22	20	0.47
(1,90)	1:21:A:ASN:HB3	1:22:A:VAL:HG23	20	0.47
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	11	0.47
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG11	1	0.47
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG12	1	0.47
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG13	1	0.47
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG21	1	0.47
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG22	1	0.47
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG23	1	0.47
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	9	0.46
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	9	0.46
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	1	0.46
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	4	0.46
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	3	0.46
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	6	0.46
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	9	0.46
(1,1694)	1:28:A:LEU:HD12	1:107:A:PHE:HD2	14	0.46
(1,1605)	1:102:A:ARG:HG3	1:104:A:TYR:HD1	10	0.46
(1,1605)	1:102:A:ARG:HG3	1:104:A:TYR:HD2	10	0.46
(1,1594)	1:30:A:GLU:HA	1:32:A:VAL:H	14	0.46
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	3	0.46
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	3	0.46
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	3	0.46
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	3	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	1	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	2	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	4	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	5	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	6	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	7	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	8	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	10	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	11	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	14	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	16	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	18	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	19	0.46
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	20	0.46
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	17	0.46
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG21	9	0.46
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG22	9	0.46
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG23	9	0.46
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	1	0.46
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	1	0.46
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	4	0.46
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	4	0.46
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	4	0.46
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	11	0.46
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	11	0.46
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	11	0.46
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	19	0.46
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	19	0.46
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	19	0.46
(1,849)	1:13:A:VAL:HG21	1:14:A:TRP:HE1	11	0.46
(1,849)	1:13:A:VAL:HG22	1:14:A:TRP:HE1	11	0.46
(1,849)	1:13:A:VAL:HG23	1:14:A:TRP:HE1	11	0.46
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG11	15	0.46
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG12	15	0.46
(1,658)	1:22:A:VAL:HG11	1:45:A:VAL:HG13	15	0.46
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG11	15	0.46
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG12	15	0.46
(1,658)	1:22:A:VAL:HG12	1:45:A:VAL:HG13	15	0.46
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG11	15	0.46
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG12	15	0.46
(1,658)	1:22:A:VAL:HG13	1:45:A:VAL:HG13	15	0.46
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	6	0.46
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	6	0.46
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	6	0.46
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	6	0.46
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	6	0.46
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	6	0.46
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	6	0.46
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	6	0.46
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	6	0.46
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	6	0.46
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	6	0.46
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	6	0.46
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	6	0.46
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	6	0.46
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	6	0.46
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	6	0.46
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	6	0.46
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	6	0.46
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	3	0.46
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	3	0.46
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	18	0.46
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	18	0.46
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	18	0.46
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	20	0.46
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	20	0.46
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	20	0.46
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	2	0.46
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	2	0.46
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	2	0.46
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	2	0.46
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	2	0.46
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	2	0.46
(1,465)	1:74:A:THR:HA	1:78:A:ILE:HA	12	0.46
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD21	5	0.46
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD22	5	0.46
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD23	5	0.46
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD21	5	0.46
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD22	5	0.46
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD23	5	0.46
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD21	5	0.46
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD22	5	0.46
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD23	5	0.46
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG11	16	0.46
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG12	16	0.46
(1,338)	1:23:A:ARG:HG2	1:42:A:VAL:HG13	16	0.46
(1,309)	1:35:A:VAL:HG21	1:39:A:LYS:HD2	5	0.46
(1,309)	1:35:A:VAL:HG21	1:39:A:LYS:HD3	5	0.46
(1,309)	1:35:A:VAL:HG22	1:39:A:LYS:HD2	5	0.46
(1,309)	1:35:A:VAL:HG22	1:39:A:LYS:HD3	5	0.46
(1,309)	1:35:A:VAL:HG23	1:39:A:LYS:HD2	5	0.46
(1,309)	1:35:A:VAL:HG23	1:39:A:LYS:HD3	5	0.46
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	1	0.46
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	7	0.46
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	10	0.46
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	1	0.46
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	1	0.46
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	1	0.46
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	1	0.46
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	1	0.46
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	1	0.46
(1,103)	1:91:A:PHE:HD1	1:97:A:GLU:HG2	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:6:A:VAL:HG11	1:8:A:PHE:HB3	5	0.46
(1,88)	1:6:A:VAL:HG12	1:8:A:PHE:HB3	5	0.46
(1,88)	1:6:A:VAL:HG13	1:8:A:PHE:HB3	5	0.46
(1,88)	1:6:A:VAL:HG21	1:8:A:PHE:HB3	5	0.46
(1,88)	1:6:A:VAL:HG22	1:8:A:PHE:HB3	5	0.46
(1,88)	1:6:A:VAL:HG23	1:8:A:PHE:HB3	5	0.46
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	3	0.46
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	3	0.46
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	3	0.46
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	3	0.46
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	3	0.46
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	3	0.46
(1,46)	1:4:A:LYS:HE2	1:5:A:GLY:H	10	0.46
(1,46)	1:4:A:LYS:HE3	1:5:A:GLY:H	10	0.46
(1,30)	1:92:A:ASP:HB3	1:94:A:ALA:HA	2	0.46
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	10	0.46
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	10	0.46
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	5	0.45
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	5	0.45
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	10	0.45
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	13	0.45
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	18	0.45
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	19	0.45
(1,1708)	1:13:A:VAL:H	1:14:A:TRP:HD1	8	0.45
(1,1694)	1:28:A:LEU:HD11	1:107:A:PHE:HD2	4	0.45
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	4	0.45
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	4	0.45
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	12	0.45
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	12	0.45
(1,1594)	1:30:A:GLU:HA	1:32:A:VAL:H	5	0.45
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	5	0.45
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	15	0.45
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	1	0.45
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	1	0.45
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	1	0.45
(1,1223)	1:111:A:ASP:H	1:111:A:ASP:HB3	3	0.45
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	13	0.45
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	10	0.45
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	10	0.45
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	10	0.45
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE1	9	0.45
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE2	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:31:A:ARG:HA	1:76:A:MET:HE3	9	0.45
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	18	0.45
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	18	0.45
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	18	0.45
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD11	15	0.45
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD12	15	0.45
(1,710)	1:32:A:VAL:HG11	1:66:A:LEU:HD13	15	0.45
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD11	15	0.45
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD12	15	0.45
(1,710)	1:32:A:VAL:HG12	1:66:A:LEU:HD13	15	0.45
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD11	15	0.45
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD12	15	0.45
(1,710)	1:32:A:VAL:HG13	1:66:A:LEU:HD13	15	0.45
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	9	0.45
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	9	0.45
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	9	0.45
(1,634)	1:13:A:VAL:HG11	1:14:A:TRP:HA	17	0.45
(1,634)	1:13:A:VAL:HG12	1:14:A:TRP:HA	17	0.45
(1,634)	1:13:A:VAL:HG13	1:14:A:TRP:HA	17	0.45
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	15	0.45
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	15	0.45
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	15	0.45
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	15	0.45
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	15	0.45
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	15	0.45
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	17	0.45
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	17	0.45
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	17	0.45
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	17	0.45
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	17	0.45
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	17	0.45
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HE1	10	0.45
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	3	0.45
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	19	0.45
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE1	11	0.45
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE2	11	0.45
(1,277)	1:30:A:GLU:HB3	1:76:A:MET:HE3	11	0.45
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB2	10	0.45
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB3	10	0.45
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB2	10	0.45
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB3	10	0.45
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB2	10	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB3	10	0.45
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	12	0.45
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	12	0.45
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	12	0.45
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	13	0.45
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	13	0.45
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	19	0.45
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	19	0.45
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	19	0.45
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	1	0.45
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	2	0.45
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	6	0.45
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	17	0.45
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	18	0.45
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	20	0.45
(1,23)	1:23:A:ARG:H	1:23:A:ARG:HD3	8	0.45
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG11	15	0.45
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG12	15	0.45
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG13	15	0.45
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG21	15	0.45
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG22	15	0.45
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG23	15	0.45
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	17	0.44
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	17	0.44
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	17	0.44
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	11	0.44
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	12	0.44
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD11	2	0.44
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD12	2	0.44
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD13	2	0.44
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD11	2	0.44
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD12	2	0.44
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD13	2	0.44
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	19	0.44
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	19	0.44
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	16	0.44
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	1	0.44
(1,1440)	1:63:A:VAL:HA	1:65:A:THR:H	13	0.44
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	5	0.44
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	5	0.44
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	5	0.44
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	4	0.44
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	4	0.44
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	4	0.44
(1,687)	1:4:A:LYS:HA	1:4:A:LYS:HG3	9	0.44
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	2	0.44
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	2	0.44
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	2	0.44
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	10	0.44
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	10	0.44
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	10	0.44
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	6	0.44
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	6	0.44
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	6	0.44
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	5	0.44
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	5	0.44
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	5	0.44
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	5	0.44
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	5	0.44
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	5	0.44
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	5	0.44
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	5	0.44
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	5	0.44
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	7	0.44
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	7	0.44
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	7	0.44
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	7	0.44
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	7	0.44
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	7	0.44
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	7	0.44
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	7	0.44
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	7	0.44
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	17	0.44
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	17	0.44
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	17	0.44
(1,308)	1:17:A:GLN:HB3	1:18:A:GLY:HA3	4	0.44
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	5	0.44
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	14	0.44
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	15	0.44
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG11	11	0.44
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG12	11	0.44
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG13	11	0.44
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG11	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG12	11	0.44
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG13	11	0.44
(1,197)	1:6:A:VAL:HG11	1:7:A:THR:HB	15	0.44
(1,197)	1:6:A:VAL:HG12	1:7:A:THR:HB	15	0.44
(1,197)	1:6:A:VAL:HG13	1:7:A:THR:HB	15	0.44
(1,197)	1:6:A:VAL:HG21	1:7:A:THR:HB	15	0.44
(1,197)	1:6:A:VAL:HG22	1:7:A:THR:HB	15	0.44
(1,197)	1:6:A:VAL:HG23	1:7:A:THR:HB	15	0.44
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	7	0.44
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	7	0.44
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	7	0.44
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	7	0.44
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	7	0.44
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	17	0.44
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	17	0.44
(1,114)	1:59:A:ALA:HB1	1:60:A:GLU:HG3	13	0.44
(1,114)	1:59:A:ALA:HB2	1:60:A:GLU:HG3	13	0.44
(1,114)	1:59:A:ALA:HB3	1:60:A:GLU:HG3	13	0.44
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	13	0.44
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	6	0.44
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	12	0.44
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	14	0.44
(1,23)	1:23:A:ARG:H	1:23:A:ARG:HD3	2	0.44
(1,19)	1:23:A:ARG:H	1:23:A:ARG:HD2	11	0.44
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	6	0.43
(1,1694)	1:28:A:LEU:HD13	1:107:A:PHE:HD2	15	0.43
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD2	6	0.43
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	15	0.43
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	15	0.43
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	18	0.43
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	18	0.43
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE1	2	0.43
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE2	2	0.43
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	15	0.43
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	8	0.43
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	10	0.43
(1,898)	1:85:A:VAL:HG11	1:86:A:ALA:H	3	0.43
(1,898)	1:85:A:VAL:HG12	1:86:A:ALA:H	3	0.43
(1,898)	1:85:A:VAL:HG13	1:86:A:ALA:H	3	0.43
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	3	0.43
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	3	0.43
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	19	0.43
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	19	0.43
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	19	0.43
(1,725)	1:94:A:ALA:HB1	1:98:A:ASN:HB3	15	0.43
(1,725)	1:94:A:ALA:HB2	1:98:A:ASN:HB3	15	0.43
(1,725)	1:94:A:ALA:HB3	1:98:A:ASN:HB3	15	0.43
(1,652)	1:22:A:VAL:HG11	1:103:A:MET:H	16	0.43
(1,652)	1:22:A:VAL:HG12	1:103:A:MET:H	16	0.43
(1,652)	1:22:A:VAL:HG13	1:103:A:MET:H	16	0.43
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	6	0.43
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	6	0.43
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	6	0.43
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	6	0.43
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	6	0.43
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	6	0.43
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG21	14	0.43
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG22	14	0.43
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG23	14	0.43
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG21	14	0.43
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG22	14	0.43
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG23	14	0.43
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG21	14	0.43
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG22	14	0.43
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG23	14	0.43
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	13	0.43
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	13	0.43
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	13	0.43
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	2	0.43
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	2	0.43
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	17	0.43
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	19	0.43
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	19	0.43
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	19	0.43
(1,153)	1:49:A:THR:HG21	1:50:A:GLU:HG2	14	0.43
(1,153)	1:49:A:THR:HG22	1:50:A:GLU:HG2	14	0.43
(1,153)	1:49:A:THR:HG23	1:50:A:GLU:HG2	14	0.43
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	6	0.43
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	6	0.43
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD2	12	0.43
(1,97)	1:3:A:ILE:HB	1:4:A:LYS:HD3	12	0.43
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	3	0.43
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	3	0.43
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	3	0.43
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	1	0.43
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	8	0.43
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	13	0.42
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	13	0.42
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	13	0.42
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	2	0.42
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	3	0.42
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	8	0.42
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	18	0.42
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD1	15	0.42
(1,1690)	1:99:A:PHE:HD1	1:100:A:SER:H	5	0.42
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	1	0.42
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	1	0.42
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	16	0.42
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	19	0.42
(1,1440)	1:63:A:VAL:HA	1:65:A:THR:H	16	0.42
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	11	0.42
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	16	0.42
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	16	0.42
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	16	0.42
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	20	0.42
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	20	0.42
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	12	0.42
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	3	0.42
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	1	0.42
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	11	0.42
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	18	0.42
(1,983)	1:62:A:VAL:H	1:65:A:THR:HB	6	0.42
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	20	0.42
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	5	0.42
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	3	0.42
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	3	0.42
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	3	0.42
(1,716)	1:37:A:ASN:HA	1:38:A:GLU:HB2	11	0.42
(1,716)	1:37:A:ASN:HA	1:38:A:GLU:HB3	11	0.42
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	4	0.42
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	4	0.42
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	4	0.42
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG11	5	0.42
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG12	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG13	5	0.42
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	2	0.42
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	2	0.42
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	2	0.42
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	2	0.42
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	2	0.42
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	2	0.42
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	14	0.42
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	14	0.42
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	14	0.42
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	14	0.42
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	14	0.42
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	14	0.42
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	5	0.42
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	5	0.42
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	5	0.42
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	19	0.42
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	19	0.42
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	19	0.42
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	8	0.42
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	8	0.42
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	8	0.42
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	8	0.42
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	8	0.42
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	8	0.42
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	8	0.42
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	8	0.42
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	8	0.42
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	5	0.42
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	5	0.42
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	5	0.42
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	11	0.42
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	11	0.42
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	11	0.42
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG11	3	0.42
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG12	3	0.42
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG13	3	0.42
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG11	1	0.42
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG12	1	0.42
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG13	1	0.42
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG11	1	0.42
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG12	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG13	1	0.42
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB2	14	0.42
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB3	14	0.42
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB2	14	0.42
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB3	14	0.42
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB2	14	0.42
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB3	14	0.42
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	4	0.42
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	4	0.42
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	20	0.42
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	20	0.42
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	7	0.42
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	3	0.42
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	14	0.42
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	18	0.42
(1,42)	1:61:A:ALA:HA	1:64:A:LYS:HE2	3	0.42
(1,42)	1:61:A:ALA:HA	1:64:A:LYS:HE3	3	0.42
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	16	0.41
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	16	0.41
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	5	0.41
(1,1692)	1:89:A:TYR:HE1	1:107:A:PHE:HD1	3	0.41
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD1	20	0.41
(1,1669)	1:54:A:PHE:HD1	1:58:A:VAL:HB	15	0.41
(1,1669)	1:54:A:PHE:HD2	1:58:A:VAL:HB	15	0.41
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	10	0.41
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	10	0.41
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE1	8	0.41
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE2	8	0.41
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	12	0.41
(1,1172)	1:107:A:PHE:H	1:107:A:PHE:HD2	8	0.41
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	15	0.41
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	19	0.41
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	2	0.41
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	3	0.41
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	5	0.41
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	7	0.41
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	8	0.41
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	14	0.41
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	16	0.41
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	14	0.41
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	6	0.41
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	6	0.41
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	10	0.41
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	10	0.41
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	10	0.41
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	3	0.41
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	3	0.41
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	3	0.41
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG21	7	0.41
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG22	7	0.41
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG23	7	0.41
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	3	0.41
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	3	0.41
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	3	0.41
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	15	0.41
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	15	0.41
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	15	0.41
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	1	0.41
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	1	0.41
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	1	0.41
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	6	0.41
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	6	0.41
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	6	0.41
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	8	0.41
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	8	0.41
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	8	0.41
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	18	0.41
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	18	0.41
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	18	0.41
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	20	0.41
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	20	0.41
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	20	0.41
(1,437)	1:63:A:VAL:HG21	1:64:A:LYS:HG2	13	0.41
(1,437)	1:63:A:VAL:HG22	1:64:A:LYS:HG2	13	0.41
(1,437)	1:63:A:VAL:HG23	1:64:A:LYS:HG2	13	0.41
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	6	0.41
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	6	0.41
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB1	1	0.41
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB2	1	0.41
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB3	1	0.41
(1,362)	1:91:A:PHE:HE2	1:110:A:PRO:HG3	12	0.41
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	18	0.41
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	9	0.41
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	9	0.41
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	9	0.41
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	20	0.41
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	20	0.41
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	20	0.41
(1,88)	1:6:A:VAL:HG11	1:8:A:PHE:HB3	15	0.41
(1,88)	1:6:A:VAL:HG12	1:8:A:PHE:HB3	15	0.41
(1,88)	1:6:A:VAL:HG13	1:8:A:PHE:HB3	15	0.41
(1,88)	1:6:A:VAL:HG21	1:8:A:PHE:HB3	15	0.41
(1,88)	1:6:A:VAL:HG22	1:8:A:PHE:HB3	15	0.41
(1,88)	1:6:A:VAL:HG23	1:8:A:PHE:HB3	15	0.41
(1,80)	1:10:A:GLU:H	1:11:A:ASP:HB3	10	0.41
(1,67)	1:31:A:ARG:HA	1:33:A:ASP:HB2	5	0.41
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	3	0.41
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	17	0.41
(1,23)	1:23:A:ARG:H	1:23:A:ARG:HD3	12	0.41
(1,23)	1:23:A:ARG:H	1:23:A:ARG:HD3	18	0.41
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	8	0.4
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	8	0.4
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	14	0.4
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	4	0.4
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	4	0.4
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	4	0.4
(1,1682)	1:45:A:VAL:HG23	1:99:A:PHE:HD2	17	0.4
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	11	0.4
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	11	0.4
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE1	14	0.4
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE2	14	0.4
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	4	0.4
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	5	0.4
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	5	0.4
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	17	0.4
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	17	0.4
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	2	0.4
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	9	0.4
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	9	0.4
(1,1194)	1:59:A:ALA:H	1:88:A:PHE:HB3	18	0.4
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	19	0.4
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	19	0.4
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	19	0.4
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD11	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD12	10	0.4
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD13	10	0.4
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	6	0.4
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	12	0.4
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	19	0.4
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	11	0.4
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	13	0.4
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	20	0.4
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	6	0.4
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	6	0.4
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	6	0.4
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	10	0.4
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	10	0.4
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	10	0.4
(1,716)	1:37:A:ASN:HA	1:38:A:GLU:HB2	19	0.4
(1,716)	1:37:A:ASN:HA	1:38:A:GLU:HB3	19	0.4
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG21	9	0.4
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG22	9	0.4
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG23	9	0.4
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG21	9	0.4
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG22	9	0.4
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG23	9	0.4
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG21	9	0.4
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG22	9	0.4
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG23	9	0.4
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG21	20	0.4
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG22	20	0.4
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG23	20	0.4
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG21	20	0.4
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG22	20	0.4
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG23	20	0.4
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG21	20	0.4
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG22	20	0.4
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG23	20	0.4
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	7	0.4
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	7	0.4
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	7	0.4
(1,474)	1:90:A:LEU:HD21	1:106:A:SER:H	12	0.4
(1,474)	1:90:A:LEU:HD22	1:106:A:SER:H	12	0.4
(1,474)	1:90:A:LEU:HD23	1:106:A:SER:H	12	0.4
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA2	20	0.4
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA3	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	19	0.4
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	19	0.4
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	19	0.4
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	19	0.4
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	19	0.4
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	19	0.4
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	13	0.4
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	13	0.4
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	13	0.4
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	20	0.4
(1,349)	1:71:A:ASP:HB3	1:72:A:LEU:HG	16	0.4
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	6	0.4
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB2	6	0.4
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB3	6	0.4
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB2	6	0.4
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB3	6	0.4
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB2	6	0.4
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB3	6	0.4
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	2	0.4
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	2	0.4
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	2	0.4
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	9	0.4
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	9	0.4
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	9	0.4
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	16	0.4
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	16	0.4
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	10	0.4
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	10	0.4
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	10	0.4
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	3	0.4
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	3	0.4
(1,103)	1:91:A:PHE:HD1	1:97:A:GLU:HG2	4	0.4
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	9	0.4
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	4	0.4
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	13	0.4
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	15	0.4
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	15	0.4
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD1	14	0.39
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE1	6	0.39
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE2	6	0.39
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE1	15	0.39
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE2	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	1	0.39
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	1	0.39
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	12	0.39
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	12	0.39
(1,1504)	1:51:A:VAL:HG11	1:91:A:PHE:H	6	0.39
(1,1504)	1:51:A:VAL:HG12	1:91:A:PHE:H	6	0.39
(1,1504)	1:51:A:VAL:HG13	1:91:A:PHE:H	6	0.39
(1,1194)	1:59:A:ALA:H	1:88:A:PHE:HB3	15	0.39
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	20	0.39
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	4	0.39
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	9	0.39
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	13	0.39
(1,958)	1:28:A:LEU:H	1:29:A:ASP:HB3	5	0.39
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	1	0.39
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	2	0.39
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	10	0.39
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	19	0.39
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	3	0.39
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	3	0.39
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	3	0.39
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	8	0.39
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	8	0.39
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	8	0.39
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	8	0.39
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	8	0.39
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	8	0.39
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	8	0.39
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	8	0.39
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	8	0.39
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	3	0.39
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	3	0.39
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	3	0.39
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	14	0.39
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	14	0.39
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	14	0.39
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	4	0.39
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	4	0.39
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	4	0.39
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	10	0.39
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	10	0.39
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	10	0.39
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	17	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	17	0.39
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	17	0.39
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA2	17	0.39
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA3	17	0.39
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB1	4	0.39
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB2	4	0.39
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB3	4	0.39
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG11	11	0.39
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG12	11	0.39
(1,380)	1:28:A:LEU:HG	1:32:A:VAL:HG13	11	0.39
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	16	0.39
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	2	0.39
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	3	0.39
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	8	0.39
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	10	0.39
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	10	0.39
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	10	0.39
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	19	0.39
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	19	0.39
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	19	0.39
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	18	0.39
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	18	0.39
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	18	0.39
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	4	0.39
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	15	0.39
(1,74)	1:110:A:PRO:HA	1:111:A:ASP:HB3	17	0.39
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	10	0.39
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	10	0.39
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE1	1	0.38
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE2	1	0.38
(1,1690)	1:99:A:PHE:HD1	1:100:A:SER:H	7	0.38
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE1	4	0.38
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE2	4	0.38
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	8	0.38
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	18	0.38
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	11	0.38
(1,1194)	1:59:A:ALA:H	1:88:A:PHE:HB3	17	0.38
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	20	0.38
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	3	0.38
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	4	0.38
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	6	0.38
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	7	0.38
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	7	0.38
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	7	0.38
(1,490)	1:72:A:LEU:HD21	1:75:A:ASN:HD22	17	0.38
(1,490)	1:72:A:LEU:HD22	1:75:A:ASN:HD22	17	0.38
(1,490)	1:72:A:LEU:HD23	1:75:A:ASN:HD22	17	0.38
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	3	0.38
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	3	0.38
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	3	0.38
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	3	0.38
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	3	0.38
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	3	0.38
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	9	0.38
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	9	0.38
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	9	0.38
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	9	0.38
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	9	0.38
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	9	0.38
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	2	0.38
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	20	0.38
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	6	0.38
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	9	0.38
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	12	0.38
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	14	0.38
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	16	0.38
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	19	0.38
(1,229)	1:112:A:GLU:H	1:112:A:GLU:HB3	9	0.38
(1,229)	1:112:A:GLU:H	1:112:A:GLU:HB3	15	0.38
(1,229)	1:112:A:GLU:H	1:112:A:GLU:HB3	17	0.38
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	17	0.38
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	9	0.38
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	14	0.38
(1,1783)	1:73:A:LEU:HD21	1:83:A:TRP:HZ2	6	0.37
(1,1783)	1:73:A:LEU:HD22	1:83:A:TRP:HZ2	6	0.37
(1,1783)	1:73:A:LEU:HD23	1:83:A:TRP:HZ2	6	0.37
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE1	5	0.37
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE2	5	0.37
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE1	12	0.37
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE2	12	0.37
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	16	0.37
(1,1710)	1:13:A:VAL:HA	1:14:A:TRP:HD1	10	0.37
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	6	0.37
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	6	0.37
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD1	7	0.37
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD2	7	0.37
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD1	7	0.37
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD2	7	0.37
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD1	7	0.37
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD2	7	0.37
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD1	7	0.37
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD2	7	0.37
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD1	7	0.37
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD2	7	0.37
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD1	7	0.37
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD2	7	0.37
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	17	0.37
(1,1594)	1:30:A:GLU:HA	1:32:A:VAL:H	13	0.37
(1,1572)	1:18:A:GLY:H	1:19:A:TYR:HB3	4	0.37
(1,1504)	1:51:A:VAL:HG11	1:91:A:PHE:H	12	0.37
(1,1504)	1:51:A:VAL:HG12	1:91:A:PHE:H	12	0.37
(1,1504)	1:51:A:VAL:HG13	1:91:A:PHE:H	12	0.37
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	2	0.37
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	2	0.37
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	15	0.37
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	17	0.37
(1,958)	1:28:A:LEU:H	1:29:A:ASP:HB3	1	0.37
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	8	0.37
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	12	0.37
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD11	2	0.37
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD12	2	0.37
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD13	2	0.37
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD11	2	0.37
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD12	2	0.37
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD13	2	0.37
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD11	2	0.37
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD12	2	0.37
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD13	2	0.37
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	9	0.37
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	9	0.37
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	9	0.37
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	19	0.37
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	19	0.37
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	17	0.37
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	17	0.37
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	17	0.37
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	18	0.37
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	18	0.37
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	18	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	4	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	4	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	4	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	6	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	6	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	6	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	9	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	9	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	9	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	12	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	12	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	12	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	13	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	13	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	13	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	17	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	17	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	17	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	19	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	19	0.37
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	19	0.37
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	1	0.37
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	1	0.37
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	1	0.37
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	1	0.37
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	1	0.37
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	1	0.37
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	17	0.37
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	17	0.37
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	17	0.37
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	17	0.37
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	17	0.37
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	17	0.37
(1,587)	1:24:A:ILE:HG21	1:25:A:THR:HG21	9	0.37
(1,587)	1:24:A:ILE:HG21	1:25:A:THR:HG22	9	0.37
(1,587)	1:24:A:ILE:HG21	1:25:A:THR:HG23	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:24:A:ILE:HG22	1:25:A:THR:HG21	9	0.37
(1,587)	1:24:A:ILE:HG22	1:25:A:THR:HG22	9	0.37
(1,587)	1:24:A:ILE:HG22	1:25:A:THR:HG23	9	0.37
(1,587)	1:24:A:ILE:HG23	1:25:A:THR:HG21	9	0.37
(1,587)	1:24:A:ILE:HG23	1:25:A:THR:HG22	9	0.37
(1,587)	1:24:A:ILE:HG23	1:25:A:THR:HG23	9	0.37
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG21	5	0.37
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG22	5	0.37
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG23	5	0.37
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG21	5	0.37
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG22	5	0.37
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG23	5	0.37
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG21	5	0.37
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG22	5	0.37
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG23	5	0.37
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	8	0.37
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	8	0.37
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	8	0.37
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	2	0.37
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	2	0.37
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	2	0.37
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA2	13	0.37
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA3	13	0.37
(1,417)	1:67:A:GLN:HG2	1:68:A:PRO:HA	12	0.37
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	6	0.37
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	6	0.37
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	6	0.37
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG11	1	0.37
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG12	1	0.37
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG13	1	0.37
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG11	18	0.37
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG12	18	0.37
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG13	18	0.37
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	2	0.37
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	13	0.37
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB2	3	0.37
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB3	3	0.37
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB2	3	0.37
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB3	3	0.37
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB2	3	0.37
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB3	3	0.37
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	20	0.37
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	20	0.37
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	13	0.37
(1,144)	1:96:A:GLU:HG3	1:97:A:GLU:H	16	0.37
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	5	0.37
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	5	0.37
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	5	0.37
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	8	0.37
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	8	0.37
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	8	0.37
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	12	0.37
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	12	0.37
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	12	0.37
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD11	14	0.37
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD12	14	0.37
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD13	14	0.37
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	10	0.37
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	10	0.37
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	8	0.37
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	1	0.37
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	1	0.37
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	10	0.37
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	10	0.37
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	15	0.37
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG11	2	0.37
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG12	2	0.37
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG13	2	0.37
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG21	2	0.37
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG22	2	0.37
(1,22)	1:23:A:ARG:HD2	1:42:A:VAL:HG23	2	0.37
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE1	19	0.36
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE2	19	0.36
(1,1710)	1:13:A:VAL:HA	1:14:A:TRP:HD1	7	0.36
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD1	13	0.36
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD1	16	0.36
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	9	0.36
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	9	0.36
(1,1591)	1:32:A:VAL:H	1:33:A:ASP:HB2	10	0.36
(1,1500)	1:91:A:PHE:H	1:91:A:PHE:HD2	4	0.36
(1,1496)	1:23:A:ARG:HG3	1:41:A:SER:H	15	0.36
(1,1365)	1:36:A:LEU:H	1:40:A:CYS:H	18	0.36
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	11	0.36
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	11	0.36
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	14	0.36
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	14	0.36
(1,1194)	1:59:A:ALA:H	1:88:A:PHE:HB3	19	0.36
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	6	0.36
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	14	0.36
(1,1041)	1:16:A:VAL:HA	1:17:A:GLN:H	10	0.36
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	7	0.36
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	2	0.36
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	2	0.36
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	2	0.36
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD11	13	0.36
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD12	13	0.36
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD13	13	0.36
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD11	13	0.36
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD12	13	0.36
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD13	13	0.36
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD11	13	0.36
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD12	13	0.36
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD13	13	0.36
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD21	19	0.36
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD22	19	0.36
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD23	19	0.36
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD21	19	0.36
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD22	19	0.36
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD23	19	0.36
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD21	19	0.36
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD22	19	0.36
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD23	19	0.36
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG21	4	0.36
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG22	4	0.36
(1,622)	1:21:A:ASN:HD22	1:42:A:VAL:HG23	4	0.36
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD21	1	0.36
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD22	1	0.36
(1,576)	1:58:A:VAL:HG11	1:90:A:LEU:HD23	1	0.36
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD21	1	0.36
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD22	1	0.36
(1,576)	1:58:A:VAL:HG12	1:90:A:LEU:HD23	1	0.36
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD21	1	0.36
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD22	1	0.36
(1,576)	1:58:A:VAL:HG13	1:90:A:LEU:HD23	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	4	0.36
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	4	0.36
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	4	0.36
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	16	0.36
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	16	0.36
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	16	0.36
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD11	10	0.36
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD12	10	0.36
(1,486)	1:72:A:LEU:HD21	1:73:A:LEU:HD13	10	0.36
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD11	10	0.36
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD12	10	0.36
(1,486)	1:72:A:LEU:HD22	1:73:A:LEU:HD13	10	0.36
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD11	10	0.36
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD12	10	0.36
(1,486)	1:72:A:LEU:HD23	1:73:A:LEU:HD13	10	0.36
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	2	0.36
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	2	0.36
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	2	0.36
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA2	1	0.36
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA3	1	0.36
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	11	0.36
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	11	0.36
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	11	0.36
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	1	0.36
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	9	0.36
(1,322)	1:51:A:VAL:HB	1:97:A:GLU:HB3	16	0.36
(1,278)	1:29:A:ASP:HA	1:30:A:GLU:HB2	5	0.36
(1,278)	1:29:A:ASP:HA	1:30:A:GLU:HB2	11	0.36
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	5	0.36
(1,261)	1:50:A:GLU:HA	1:53:A:GLU:HB3	4	0.36
(1,247)	1:7:A:THR:HB	1:10:A:GLU:HB3	6	0.36
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	9	0.36
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	9	0.36
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	9	0.36
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	15	0.36
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	15	0.36
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	15	0.36
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	19	0.36
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	11	0.36
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	5	0.36
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	5	0.36
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	8	0.36
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG21	2	0.35
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG22	2	0.35
(1,1734)	1:43:A:TYR:HE1	1:62:A:VAL:HG23	2	0.35
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG21	2	0.35
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG22	2	0.35
(1,1734)	1:43:A:TYR:HE2	1:62:A:VAL:HG23	2	0.35
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	7	0.35
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	16	0.35
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE1	2	0.35
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE2	2	0.35
(1,1639)	1:19:A:TYR:HD1	1:45:A:VAL:HB	7	0.35
(1,1639)	1:19:A:TYR:HD2	1:45:A:VAL:HB	7	0.35
(1,1594)	1:30:A:GLU:HA	1:32:A:VAL:H	10	0.35
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	10	0.35
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	10	0.35
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	10	0.35
(1,1370)	1:35:A:VAL:HG11	1:40:A:CYS:H	20	0.35
(1,1370)	1:35:A:VAL:HG12	1:40:A:CYS:H	20	0.35
(1,1370)	1:35:A:VAL:HG13	1:40:A:CYS:H	20	0.35
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	13	0.35
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	13	0.35
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	3	0.35
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	3	0.35
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	3	0.35
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	16	0.35
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	16	0.35
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	16	0.35
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	9	0.35
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	12	0.35
(1,849)	1:13:A:VAL:HG21	1:14:A:TRP:HE1	20	0.35
(1,849)	1:13:A:VAL:HG22	1:14:A:TRP:HE1	20	0.35
(1,849)	1:13:A:VAL:HG23	1:14:A:TRP:HE1	20	0.35
(1,828)	1:91:A:PHE:HE2	1:110:A:PRO:HD2	5	0.35
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD11	16	0.35
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD12	16	0.35
(1,812)	1:31:A:ARG:HD2	1:78:A:ILE:HD13	16	0.35
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD21	14	0.35
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD22	14	0.35
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD23	14	0.35
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD21	14	0.35
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD22	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD23	14	0.35
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD21	14	0.35
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD22	14	0.35
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD23	14	0.35
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG21	16	0.35
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG22	16	0.35
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG23	16	0.35
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG21	16	0.35
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG22	16	0.35
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG23	16	0.35
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG21	16	0.35
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG22	16	0.35
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG23	16	0.35
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	2	0.35
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	2	0.35
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	2	0.35
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG11	16	0.35
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG12	16	0.35
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG13	16	0.35
(1,608)	1:7:A:THR:H	1:8:A:PHE:HA	19	0.35
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG21	4	0.35
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG22	4	0.35
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG23	4	0.35
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG21	4	0.35
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG22	4	0.35
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG23	4	0.35
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG21	4	0.35
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG22	4	0.35
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG23	4	0.35
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG21	9	0.35
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG22	9	0.35
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG23	9	0.35
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG21	9	0.35
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG22	9	0.35
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG23	9	0.35
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG21	9	0.35
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG22	9	0.35
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG23	9	0.35
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG21	12	0.35
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG22	12	0.35
(1,597)	1:22:A:VAL:HG21	1:45:A:VAL:HG23	12	0.35
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG21	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG22	12	0.35
(1,597)	1:22:A:VAL:HG22	1:45:A:VAL:HG23	12	0.35
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG21	12	0.35
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG22	12	0.35
(1,597)	1:22:A:VAL:HG23	1:45:A:VAL:HG23	12	0.35
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	6	0.35
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	6	0.35
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	6	0.35
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	13	0.35
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	13	0.35
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	13	0.35
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	11	0.35
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	11	0.35
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	11	0.35
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	11	0.35
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	11	0.35
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	11	0.35
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA2	5	0.35
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA3	5	0.35
(1,437)	1:63:A:VAL:HG21	1:64:A:LYS:HG2	6	0.35
(1,437)	1:63:A:VAL:HG22	1:64:A:LYS:HG2	6	0.35
(1,437)	1:63:A:VAL:HG23	1:64:A:LYS:HG2	6	0.35
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD21	19	0.35
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD22	19	0.35
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD23	19	0.35
(1,400)	1:102:A:ARG:H	1:102:A:ARG:HG3	11	0.35
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	10	0.35
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	10	0.35
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD2	18	0.35
(1,288)	1:60:A:GLU:HB2	1:64:A:LYS:HD3	18	0.35
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD2	18	0.35
(1,288)	1:60:A:GLU:HB3	1:64:A:LYS:HD3	18	0.35
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	4	0.35
(1,204)	1:4:A:LYS:HB2	1:5:A:GLY:H	12	0.35
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	2	0.35
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	2	0.35
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	2	0.35
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	11	0.35
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	11	0.35
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	11	0.35
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	16	0.35
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	13	0.35
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	13	0.35
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	13	0.35
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	13	0.35
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	18	0.35
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG11	13	0.35
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG12	13	0.35
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG13	13	0.35
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	1	0.35
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	1	0.35
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	14	0.35
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	14	0.35
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	16	0.35
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	16	0.35
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE1	15	0.34
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE2	15	0.34
(1,1754)	1:108:A:TYR:H	1:108:A:TYR:HE1	2	0.34
(1,1754)	1:108:A:TYR:H	1:108:A:TYR:HE2	2	0.34
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	6	0.34
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	13	0.34
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	19	0.34
(1,1694)	1:28:A:LEU:HD22	1:107:A:PHE:HD2	16	0.34
(1,1692)	1:89:A:TYR:HE1	1:107:A:PHE:HD1	9	0.34
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE1	3	0.34
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE2	3	0.34
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	10	0.34
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	10	0.34
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	5	0.34
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	12	0.34
(1,1517)	1:72:A:LEU:HD21	1:75:A:ASN:HD21	10	0.34
(1,1517)	1:72:A:LEU:HD22	1:75:A:ASN:HD21	10	0.34
(1,1517)	1:72:A:LEU:HD23	1:75:A:ASN:HD21	10	0.34
(1,1366)	1:40:A:CYS:H	1:41:A:SER:HB2	15	0.34
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	2	0.34
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	2	0.34
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	2	0.34
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	8	0.34
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	10	0.34
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	10	0.34
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	10	0.34
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	15	0.34
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	15	0.34
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	12	0.34
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	12	0.34
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	12	0.34
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	5	0.34
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	5	0.34
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	5	0.34
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	16	0.34
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	16	0.34
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	16	0.34
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	14	0.34
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	14	0.34
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	14	0.34
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	2	0.34
(1,400)	1:102:A:ARG:H	1:102:A:ARG:HG3	10	0.34
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG11	8	0.34
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG12	8	0.34
(1,386)	1:56:A:CYS:HB2	1:57:A:VAL:HG13	8	0.34
(1,377)	1:66:A:LEU:HD21	1:67:A:GLN:H	17	0.34
(1,377)	1:66:A:LEU:HD22	1:67:A:GLN:H	17	0.34
(1,377)	1:66:A:LEU:HD23	1:67:A:GLN:H	17	0.34
(1,278)	1:29:A:ASP:HA	1:30:A:GLU:HB2	16	0.34
(1,206)	1:87:A:THR:HB	1:89:A:TYR:HD1	20	0.34
(1,206)	1:87:A:THR:HB	1:89:A:TYR:HD2	20	0.34
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	3	0.34
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	11	0.34
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	1	0.34
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	1	0.34
(1,114)	1:59:A:ALA:HB1	1:60:A:GLU:HG3	14	0.34
(1,114)	1:59:A:ALA:HB2	1:60:A:GLU:HG3	14	0.34
(1,114)	1:59:A:ALA:HB3	1:60:A:GLU:HG3	14	0.34
(1,114)	1:59:A:ALA:HB1	1:60:A:GLU:HG3	18	0.34
(1,114)	1:59:A:ALA:HB2	1:60:A:GLU:HG3	18	0.34
(1,114)	1:59:A:ALA:HB3	1:60:A:GLU:HG3	18	0.34
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	13	0.34
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	13	0.34
(1,1710)	1:13:A:VAL:HA	1:14:A:TRP:HD1	15	0.33
(1,1685)	1:51:A:VAL:HG12	1:99:A:PHE:HD1	19	0.33
(1,1682)	1:45:A:VAL:HG23	1:99:A:PHE:HD1	15	0.33
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE1	20	0.33
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE2	20	0.33
(1,1581)	1:95:A:GLY:H	1:96:A:GLU:HB2	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:63:A:VAL:HA	1:65:A:THR:H	11	0.33
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	1	0.33
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	1	0.33
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	12	0.33
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	12	0.33
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	16	0.33
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	16	0.33
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	10	0.33
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	16	0.33
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	9	0.33
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	18	0.33
(1,652)	1:22:A:VAL:HG11	1:103:A:MET:H	6	0.33
(1,652)	1:22:A:VAL:HG12	1:103:A:MET:H	6	0.33
(1,652)	1:22:A:VAL:HG13	1:103:A:MET:H	6	0.33
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD21	10	0.33
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD22	10	0.33
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD23	10	0.33
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD21	10	0.33
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD22	10	0.33
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD23	10	0.33
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD21	10	0.33
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD22	10	0.33
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD23	10	0.33
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	4	0.33
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	4	0.33
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	4	0.33
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	2	0.33
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	2	0.33
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	2	0.33
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	10	0.33
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	10	0.33
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	10	0.33
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	11	0.33
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	11	0.33
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	11	0.33
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	17	0.33
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	17	0.33
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	17	0.33
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	18	0.33
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	18	0.33
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	18	0.33
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	4	0.33
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	4	0.33
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	12	0.33
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	12	0.33
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	12	0.33
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	18	0.33
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	18	0.33
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	18	0.33
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD21	18	0.33
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD22	18	0.33
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD23	18	0.33
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD21	18	0.33
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD22	18	0.33
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD23	18	0.33
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD21	18	0.33
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD22	18	0.33
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD23	18	0.33
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	8	0.33
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	12	0.33
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	13	0.33
(1,278)	1:29:A:ASP:HA	1:30:A:GLU:HB2	13	0.33
(1,278)	1:29:A:ASP:HA	1:30:A:GLU:HB2	15	0.33
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB2	7	0.33
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB3	7	0.33
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB2	7	0.33
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB3	7	0.33
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB2	7	0.33
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB3	7	0.33
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	9	0.33
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	9	0.33
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	9	0.33
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	17	0.33
(1,153)	1:49:A:THR:HG21	1:50:A:GLU:HG2	7	0.33
(1,153)	1:49:A:THR:HG22	1:50:A:GLU:HG2	7	0.33
(1,153)	1:49:A:THR:HG23	1:50:A:GLU:HG2	7	0.33
(1,100)	1:3:A:ILE:HB	1:17:A:GLN:HA	11	0.33
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	2	0.33
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	2	0.33
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	2	0.33
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	5	0.33
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	5	0.33
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	17	0.33
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	17	0.33
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	20	0.33
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	20	0.33
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	2	0.32
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	2	0.32
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	19	0.32
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	19	0.32
(1,1710)	1:13:A:VAL:HA	1:14:A:TRP:HD1	11	0.32
(1,1710)	1:13:A:VAL:HA	1:14:A:TRP:HD1	18	0.32
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	17	0.32
(1,1694)	1:28:A:LEU:HD13	1:107:A:PHE:HD2	3	0.32
(1,1370)	1:35:A:VAL:HG11	1:40:A:CYS:H	19	0.32
(1,1370)	1:35:A:VAL:HG12	1:40:A:CYS:H	19	0.32
(1,1370)	1:35:A:VAL:HG13	1:40:A:CYS:H	19	0.32
(1,1368)	1:39:A:LYS:HD2	1:40:A:CYS:H	2	0.32
(1,1368)	1:39:A:LYS:HD3	1:40:A:CYS:H	2	0.32
(1,1309)	1:73:A:LEU:H	1:73:A:LEU:HG	20	0.32
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	4	0.32
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	4	0.32
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	9	0.32
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	9	0.32
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	9	0.32
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	5	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	1	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	2	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	3	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	4	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	5	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	6	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	7	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	8	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	10	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	11	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	14	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	16	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	18	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	19	0.32
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	20	0.32
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	16	0.32
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	16	0.32
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	1	0.32
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	1	0.32
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	1	0.32
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG21	4	0.32
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG22	4	0.32
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG23	4	0.32
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD21	8	0.32
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD22	8	0.32
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD23	8	0.32
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD21	8	0.32
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD22	8	0.32
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD23	8	0.32
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD21	8	0.32
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD22	8	0.32
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD23	8	0.32
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG21	19	0.32
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG22	19	0.32
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG23	19	0.32
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	10	0.32
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	10	0.32
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	10	0.32
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	10	0.32
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	10	0.32
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	10	0.32
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	1	0.32
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	1	0.32
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	1	0.32
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	5	0.32
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	5	0.32
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	5	0.32
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	9	0.32
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	9	0.32
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	9	0.32
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	8	0.32
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	8	0.32
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	8	0.32
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	7	0.32
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	7	0.32
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	7	0.32
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	7	0.32
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	7	0.32
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	3	0.32
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	3	0.32
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	3	0.32
(1,392)	1:102:A:ARG:HG3	1:103:A:MET:HA	6	0.32
(1,295)	1:4:A:LYS:HA	1:4:A:LYS:HD2	12	0.32
(1,295)	1:4:A:LYS:HA	1:4:A:LYS:HD3	12	0.32
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG11	4	0.32
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG12	4	0.32
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG13	4	0.32
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG11	4	0.32
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG12	4	0.32
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG13	4	0.32
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB2	11	0.32
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB3	11	0.32
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB2	11	0.32
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB3	11	0.32
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB2	11	0.32
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB3	11	0.32
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	5	0.32
(1,153)	1:49:A:THR:HG21	1:50:A:GLU:HG2	3	0.32
(1,153)	1:49:A:THR:HG22	1:50:A:GLU:HG2	3	0.32
(1,153)	1:49:A:THR:HG23	1:50:A:GLU:HG2	3	0.32
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	3	0.32
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	3	0.32
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	17	0.32
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	17	0.32
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	17	0.32
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	3	0.32
(1,61)	1:20:A:LYS:HE2	1:99:A:PHE:HE1	9	0.32
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	13	0.32
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	13	0.32
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	19	0.31
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	19	0.31
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	19	0.31
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	3	0.31
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	6	0.31
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	13	0.31
(1,1366)	1:40:A:CYS:H	1:41:A:SER:HB2	4	0.31
(1,1294)	1:4:A:LYS:HB3	1:6:A:VAL:H	15	0.31
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	4	0.31
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	4	0.31
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	8	0.31
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	8	0.31
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	8	0.31
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	17	0.31
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	17	0.31
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	17	0.31
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	15	0.31
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	18	0.31
(1,1076)	1:90:A:LEU:H	1:91:A:PHE:HD2	4	0.31
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	4	0.31
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	4	0.31
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	4	0.31
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	4	0.31
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	4	0.31
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	4	0.31
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	4	0.31
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	4	0.31
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	4	0.31
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	4	0.31
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	4	0.31
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	4	0.31
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	20	0.31
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	20	0.31
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	20	0.31
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG21	10	0.31
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG22	10	0.31
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG23	10	0.31
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	2	0.31
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	2	0.31
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	2	0.31
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	2	0.31
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	2	0.31
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	2	0.31
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	2	0.31
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	2	0.31
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	2	0.31
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	2	0.31
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	2	0.31
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	2	0.31
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	2	0.31
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	2	0.31
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	2	0.31
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	2	0.31
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	2	0.31
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	7	0.31
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	7	0.31
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	7	0.31
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	20	0.31
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	20	0.31
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	20	0.31
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	8	0.31
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	8	0.31
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	8	0.31
(1,453)	1:6:A:VAL:HB	1:7:A:THR:HA	6	0.31
(1,453)	1:6:A:VAL:HB	1:7:A:THR:HA	18	0.31
(1,322)	1:51:A:VAL:HB	1:97:A:GLU:HB3	2	0.31
(1,317)	1:20:A:LYS:HD2	1:21:A:ASN:H	20	0.31
(1,278)	1:29:A:ASP:HA	1:30:A:GLU:HB2	14	0.31
(1,278)	1:29:A:ASP:HA	1:30:A:GLU:HB2	17	0.31
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	16	0.31
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD11	15	0.31
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD12	15	0.31
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD13	15	0.31
(1,175)	1:63:A:VAL:HG21	1:67:A:GLN:HG3	17	0.31
(1,175)	1:63:A:VAL:HG22	1:67:A:GLN:HG3	17	0.31
(1,175)	1:63:A:VAL:HG23	1:67:A:GLN:HG3	17	0.31
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	18	0.31
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	1	0.31
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	1	0.31
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	1	0.31
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	6	0.31
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	6	0.31
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	6	0.31
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	6	0.31
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	6	0.31
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	6	0.31
(1,64)	1:80:A:LEU:HB2	1:81:A:ASP:HB2	5	0.31
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	7	0.31
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	10	0.31
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	6	0.31
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	6	0.31
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	9	0.31
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	18	0.31
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	18	0.31
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	18	0.3
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	18	0.3
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	10	0.3
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	8	0.3
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	8	0.3
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	8	0.3
(1,1504)	1:51:A:VAL:HG11	1:91:A:PHE:H	19	0.3
(1,1504)	1:51:A:VAL:HG12	1:91:A:PHE:H	19	0.3
(1,1504)	1:51:A:VAL:HG13	1:91:A:PHE:H	19	0.3
(1,1370)	1:35:A:VAL:HG11	1:40:A:CYS:H	12	0.3
(1,1370)	1:35:A:VAL:HG12	1:40:A:CYS:H	12	0.3
(1,1370)	1:35:A:VAL:HG13	1:40:A:CYS:H	12	0.3
(1,1194)	1:59:A:ALA:H	1:88:A:PHE:HB3	14	0.3
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	4	0.3
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	7	0.3
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	10	0.3
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	19	0.3
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	6	0.3
(1,916)	1:4:A:LYS:H	1:4:A:LYS:HB2	10	0.3
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE2	20	0.3
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE3	20	0.3
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE2	20	0.3
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE3	20	0.3
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE2	20	0.3
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE3	20	0.3
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	14	0.3
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	14	0.3
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	14	0.3
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	15	0.3
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	15	0.3
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	15	0.3
(1,683)	1:4:A:LYS:HA	1:5:A:GLY:H	12	0.3
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	10	0.3
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	10	0.3
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	10	0.3
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	3	0.3
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	3	0.3
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	3	0.3
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	3	0.3
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	3	0.3
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	5	0.3
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	5	0.3
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	5	0.3
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	5	0.3
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	5	0.3
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	5	0.3
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	3	0.3
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	3	0.3
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	3	0.3
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	14	0.3
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	14	0.3
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	14	0.3
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	8	0.3
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	8	0.3
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	8	0.3
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	16	0.3
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	16	0.3
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	16	0.3
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	9	0.3
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	9	0.3
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	9	0.3
(1,490)	1:72:A:LEU:HD21	1:75:A:ASN:HD22	18	0.3
(1,490)	1:72:A:LEU:HD22	1:75:A:ASN:HD22	18	0.3
(1,490)	1:72:A:LEU:HD23	1:75:A:ASN:HD22	18	0.3
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	7	0.3
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	18	0.3
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	18	0.3
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	18	0.3
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	18	0.3
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	18	0.3
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	18	0.3
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	19	0.3
(1,278)	1:29:A:ASP:HA	1:30:A:GLU:HB2	6	0.3
(1,278)	1:29:A:ASP:HA	1:30:A:GLU:HB2	19	0.3
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	20	0.3
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	12	0.3
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	19	0.3
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	19	0.3
(1,85)	1:6:A:VAL:HG11	1:8:A:PHE:HB2	18	0.3
(1,85)	1:6:A:VAL:HG12	1:8:A:PHE:HB2	18	0.3
(1,85)	1:6:A:VAL:HG13	1:8:A:PHE:HB2	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:6:A:VAL:HG21	1:8:A:PHE:HB2	18	0.3
(1,85)	1:6:A:VAL:HG22	1:8:A:PHE:HB2	18	0.3
(1,85)	1:6:A:VAL:HG23	1:8:A:PHE:HB2	18	0.3
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	11	0.3
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	2	0.3
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	4	0.3
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	5	0.3
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	18	0.3
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	3	0.3
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	3	0.3
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG11	3	0.29
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG12	3	0.29
(1,1743)	1:43:A:TYR:HE1	1:62:A:VAL:HG13	3	0.29
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG11	3	0.29
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG12	3	0.29
(1,1743)	1:43:A:TYR:HE2	1:62:A:VAL:HG13	3	0.29
(1,1710)	1:13:A:VAL:HA	1:14:A:TRP:HD1	1	0.29
(1,1710)	1:13:A:VAL:HA	1:14:A:TRP:HD1	20	0.29
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	11	0.29
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	15	0.29
(1,1689)	1:45:A:VAL:HG13	1:99:A:PHE:HD1	9	0.29
(1,1684)	1:50:A:GLU:HA	1:99:A:PHE:HE1	12	0.29
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE1	18	0.29
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE2	18	0.29
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD11	4	0.29
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD12	4	0.29
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD13	4	0.29
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD11	4	0.29
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD12	4	0.29
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD13	4	0.29
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	17	0.29
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	17	0.29
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	18	0.29
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	18	0.29
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	4	0.29
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	12	0.29
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	19	0.29
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	19	0.29
(1,1221)	1:91:A:PHE:HE1	1:111:A:ASP:H	1	0.29
(1,1123)	1:100:A:SER:HB2	1:102:A:ARG:H	9	0.29
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	4	0.29
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	11	0.29
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	4	0.29
(1,1076)	1:90:A:LEU:H	1:91:A:PHE:HD2	5	0.29
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	7	0.29
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	15	0.29
(1,868)	1:24:A:ILE:H	1:41:A:SER:HB3	12	0.29
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	15	0.29
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	15	0.29
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	15	0.29
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	5	0.29
(1,652)	1:22:A:VAL:HG11	1:103:A:MET:H	14	0.29
(1,652)	1:22:A:VAL:HG12	1:103:A:MET:H	14	0.29
(1,652)	1:22:A:VAL:HG13	1:103:A:MET:H	14	0.29
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD21	14	0.29
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD22	14	0.29
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD23	14	0.29
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD21	14	0.29
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD22	14	0.29
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD23	14	0.29
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD21	14	0.29
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD22	14	0.29
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD23	14	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	4	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	4	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	4	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	6	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	6	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	6	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	7	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	7	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	7	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	9	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	9	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	9	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	10	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	10	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	10	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	12	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	12	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	12	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	13	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	13	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	15	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	15	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	15	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	17	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	17	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	17	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	19	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	19	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	19	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG11	20	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG12	20	0.29
(1,637)	1:16:A:VAL:HA	1:16:A:VAL:HG13	20	0.29
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG21	15	0.29
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG22	15	0.29
(1,630)	1:16:A:VAL:H	1:16:A:VAL:HG23	15	0.29
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG21	7	0.29
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG22	7	0.29
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG23	7	0.29
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG11	18	0.29
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG12	18	0.29
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG13	18	0.29
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	7	0.29
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	7	0.29
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	7	0.29
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	7	0.29
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	7	0.29
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	7	0.29
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	15	0.29
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	15	0.29
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	15	0.29
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	17	0.29
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	17	0.29
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	17	0.29
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	2	0.29
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	2	0.29
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	2	0.29
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	4	0.29
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	4	0.29
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	4	0.29
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	18	0.29
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	18	0.29
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	20	0.29
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	20	0.29
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	20	0.29
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD21	18	0.29
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD22	18	0.29
(1,476)	1:54:A:PHE:HE1	1:90:A:LEU:HD23	18	0.29
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD21	18	0.29
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD22	18	0.29
(1,476)	1:54:A:PHE:HE2	1:90:A:LEU:HD23	18	0.29
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA2	2	0.29
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA3	2	0.29
(1,300)	1:35:A:VAL:HA	1:36:A:LEU:HG	9	0.29
(1,278)	1:29:A:ASP:HA	1:30:A:GLU:HB2	2	0.29
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG11	15	0.29
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG12	15	0.29
(1,216)	1:23:A:ARG:HB2	1:42:A:VAL:HG13	15	0.29
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	8	0.29
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	8	0.29
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	8	0.29
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	7	0.29
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	10	0.29
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	15	0.29
(1,162)	1:32:A:VAL:HB	1:33:A:ASP:HA	19	0.29
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	16	0.29
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	1	0.29
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	8	0.29
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE1	16	0.28
(1,1781)	1:103:A:MET:H	1:104:A:TYR:HE2	16	0.28
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD11	3	0.28
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD12	3	0.28
(1,1670)	1:54:A:PHE:HD1	1:90:A:LEU:HD13	3	0.28
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD11	3	0.28
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD12	3	0.28
(1,1670)	1:54:A:PHE:HD2	1:90:A:LEU:HD13	3	0.28
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	9	0.28
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	9	0.28
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	15	0.28
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	8	0.28
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	7	0.28
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	7	0.28
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:100:A:SER:HB2	1:102:A:ARG:H	16	0.28
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	6	0.28
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	16	0.28
(1,1092)	1:72:A:LEU:H	1:72:A:LEU:HB2	17	0.28
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	20	0.28
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG21	20	0.28
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG22	20	0.28
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG23	20	0.28
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	13	0.28
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	17	0.28
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	14	0.28
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	1	0.28
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	1	0.28
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	1	0.28
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	7	0.28
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	7	0.28
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	7	0.28
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	7	0.28
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	7	0.28
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	7	0.28
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	7	0.28
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	7	0.28
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	7	0.28
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	7	0.28
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	7	0.28
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	7	0.28
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	1	0.28
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	1	0.28
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	1	0.28
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	3	0.28
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	3	0.28
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	3	0.28
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	17	0.28
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	17	0.28
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	17	0.28
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG11	1	0.28
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG12	1	0.28
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG13	1	0.28
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	6	0.28
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	6	0.28
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	6	0.28
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	16	0.28
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	16	0.28
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	7	0.28
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	7	0.28
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	7	0.28
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	8	0.28
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	8	0.28
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	8	0.28
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	1	0.28
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	1	0.28
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	1	0.28
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	7	0.28
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	7	0.28
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	7	0.28
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	15	0.28
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	15	0.28
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	15	0.28
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	17	0.28
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	17	0.28
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	17	0.28
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	6	0.28
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	6	0.28
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	6	0.28
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	19	0.28
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	19	0.28
(1,350)	1:91:A:PHE:HE2	1:110:A:PRO:HG2	12	0.28
(1,299)	1:35:A:VAL:HA	1:38:A:GLU:HG2	19	0.28
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	1	0.28
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	11	0.28
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	15	0.28
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	18	0.28
(1,255)	1:62:A:VAL:HA	1:66:A:LEU:HD11	8	0.28
(1,255)	1:62:A:VAL:HA	1:66:A:LEU:HD12	8	0.28
(1,255)	1:62:A:VAL:HA	1:66:A:LEU:HD13	8	0.28
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	8	0.28
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	8	0.28
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	8	0.28
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	11	0.28
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	18	0.28
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	18	0.28
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	5	0.28
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:8:A:PHE:HA	1:10:A:GLU:HG2	15	0.28
(1,130)	1:8:A:PHE:HA	1:10:A:GLU:HG3	15	0.28
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	19	0.28
(1,51)	1:97:A:GLU:HA	1:98:A:ASN:HB3	15	0.28
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG11	6	0.28
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG12	6	0.28
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG13	6	0.28
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	3	0.27
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	3	0.27
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	3	0.27
(1,1681)	1:51:A:VAL:HB	1:99:A:PHE:HD1	19	0.27
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE1	17	0.27
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE2	17	0.27
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD1	12	0.27
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD2	12	0.27
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD1	12	0.27
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD2	12	0.27
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD1	12	0.27
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD2	12	0.27
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD1	12	0.27
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD2	12	0.27
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD1	12	0.27
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD2	12	0.27
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD1	12	0.27
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD2	12	0.27
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	11	0.27
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG11	20	0.27
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG12	20	0.27
(1,1530)	1:21:A:ASN:HD22	1:42:A:VAL:HG13	20	0.27
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	2	0.27
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	2	0.27
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	2	0.27
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	2	0.27
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	2	0.27
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	2	0.27
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	3	0.27
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	3	0.27
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	3	0.27
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	3	0.27
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	3	0.27
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	3	0.27
(1,1123)	1:100:A:SER:HB2	1:102:A:ARG:H	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:28:A:LEU:H	1:29:A:ASP:HB3	8	0.27
(1,958)	1:28:A:LEU:H	1:29:A:ASP:HB3	20	0.27
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	2	0.27
(1,938)	1:97:A:GLU:H	1:98:A:ASN:HD22	5	0.27
(1,890)	1:82:A:GLU:HA	1:86:A:ALA:H	16	0.27
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD1	8	0.27
(1,831)	1:3:A:ILE:HD11	1:19:A:TYR:HD2	8	0.27
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD1	8	0.27
(1,831)	1:3:A:ILE:HD12	1:19:A:TYR:HD2	8	0.27
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD1	8	0.27
(1,831)	1:3:A:ILE:HD13	1:19:A:TYR:HD2	8	0.27
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	16	0.27
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	16	0.27
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	16	0.27
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	16	0.27
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	16	0.27
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	16	0.27
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	16	0.27
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	16	0.27
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	16	0.27
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	8	0.27
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	8	0.27
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	8	0.27
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG11	6	0.27
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG12	6	0.27
(1,615)	1:23:A:ARG:HA	1:42:A:VAL:HG13	6	0.27
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	19	0.27
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	19	0.27
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	19	0.27
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	19	0.27
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	19	0.27
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	19	0.27
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	13	0.27
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	13	0.27
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	13	0.27
(1,571)	1:51:A:VAL:HG21	1:53:A:GLU:H	19	0.27
(1,571)	1:51:A:VAL:HG22	1:53:A:GLU:H	19	0.27
(1,571)	1:51:A:VAL:HG23	1:53:A:GLU:H	19	0.27
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	12	0.27
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	12	0.27
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	12	0.27
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	17	0.27
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	17	0.27
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	2	0.27
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	2	0.27
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	2	0.27
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	12	0.27
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	12	0.27
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	12	0.27
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	16	0.27
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	16	0.27
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	16	0.27
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	18	0.27
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	18	0.27
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	18	0.27
(1,453)	1:6:A:VAL:HB	1:7:A:THR:HA	1	0.27
(1,453)	1:6:A:VAL:HB	1:7:A:THR:HA	15	0.27
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	3	0.27
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	3	0.27
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	3	0.27
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	17	0.27
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	17	0.27
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	17	0.27
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	9	0.27
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD21	17	0.27
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD22	17	0.27
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD23	17	0.27
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	10	0.27
(1,202)	1:4:A:LYS:HB3	1:5:A:GLY:H	11	0.27
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	18	0.27
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	20	0.27
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	2	0.27
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	2	0.27
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	8	0.27
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	8	0.27
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	14	0.27
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	14	0.27
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	14	0.27
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	19	0.27
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	19	0.27
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	17	0.26
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	17	0.26
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	5	0.26
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	5	0.26
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD1	11	0.26
(1,1682)	1:45:A:VAL:HG22	1:99:A:PHE:HD1	3	0.26
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD1	10	0.26
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD2	10	0.26
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD1	10	0.26
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD2	10	0.26
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD1	10	0.26
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD2	10	0.26
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD1	10	0.26
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD2	10	0.26
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD1	10	0.26
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD2	10	0.26
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD1	10	0.26
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD2	10	0.26
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	7	0.26
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	7	0.26
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	9	0.26
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	9	0.26
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	14	0.26
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	14	0.26
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	10	0.26
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	18	0.26
(1,1366)	1:40:A:CYS:H	1:41:A:SER:HB2	20	0.26
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	20	0.26
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	20	0.26
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	20	0.26
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	20	0.26
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	20	0.26
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	20	0.26
(1,1172)	1:107:A:PHE:H	1:107:A:PHE:HD2	18	0.26
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	1	0.26
(1,1014)	1:6:A:VAL:HG11	1:8:A:PHE:H	16	0.26
(1,1014)	1:6:A:VAL:HG12	1:8:A:PHE:H	16	0.26
(1,1014)	1:6:A:VAL:HG13	1:8:A:PHE:H	16	0.26
(1,1014)	1:6:A:VAL:HG21	1:8:A:PHE:H	16	0.26
(1,1014)	1:6:A:VAL:HG22	1:8:A:PHE:H	16	0.26
(1,1014)	1:6:A:VAL:HG23	1:8:A:PHE:H	16	0.26
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	12	0.26
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	12	0.26
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:37:A:ASN:HA	1:38:A:GLU:HB2	2	0.26
(1,716)	1:37:A:ASN:HA	1:38:A:GLU:HB3	2	0.26
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	19	0.26
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	19	0.26
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	19	0.26
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	20	0.26
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	20	0.26
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	20	0.26
(1,695)	1:28:A:LEU:HD11	1:106:A:SER:HA	19	0.26
(1,695)	1:28:A:LEU:HD12	1:106:A:SER:HA	19	0.26
(1,695)	1:28:A:LEU:HD13	1:106:A:SER:HA	19	0.26
(1,695)	1:28:A:LEU:HD21	1:106:A:SER:HA	19	0.26
(1,695)	1:28:A:LEU:HD22	1:106:A:SER:HA	19	0.26
(1,695)	1:28:A:LEU:HD23	1:106:A:SER:HA	19	0.26
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD21	11	0.26
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD22	11	0.26
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD23	11	0.26
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD21	11	0.26
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD22	11	0.26
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD23	11	0.26
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD21	11	0.26
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD22	11	0.26
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD23	11	0.26
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	10	0.26
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	10	0.26
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	10	0.26
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	14	0.26
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	14	0.26
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	14	0.26
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	14	0.26
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	14	0.26
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	14	0.26
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	9	0.26
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	9	0.26
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	9	0.26
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	6	0.26
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	6	0.26
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	6	0.26
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	13	0.26
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	13	0.26
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	13	0.26
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	10	0.26
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	10	0.26
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	4	0.26
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	5	0.26
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	7	0.26
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	13	0.26
(1,198)	1:25:A:THR:HB	1:104:A:TYR:HA	13	0.26
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	18	0.26
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	18	0.26
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	8	0.26
(1,42)	1:61:A:ALA:HA	1:64:A:LYS:HE2	19	0.26
(1,42)	1:61:A:ALA:HA	1:64:A:LYS:HE3	19	0.26
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	3	0.26
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	3	0.26
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	16	0.25
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	16	0.25
(1,1727)	1:62:A:VAL:HG11	1:83:A:TRP:HZ3	17	0.25
(1,1727)	1:62:A:VAL:HG12	1:83:A:TRP:HZ3	17	0.25
(1,1727)	1:62:A:VAL:HG13	1:83:A:TRP:HZ3	17	0.25
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	19	0.25
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	19	0.25
(1,1594)	1:30:A:GLU:HA	1:32:A:VAL:H	18	0.25
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	1	0.25
(1,1540)	1:63:A:VAL:HG21	1:67:A:GLN:HE22	15	0.25
(1,1540)	1:63:A:VAL:HG22	1:67:A:GLN:HE22	15	0.25
(1,1540)	1:63:A:VAL:HG23	1:67:A:GLN:HE22	15	0.25
(1,1471)	1:96:A:GLU:HA	1:98:A:ASN:HD22	8	0.25
(1,1471)	1:96:A:GLU:HA	1:98:A:ASN:HD22	15	0.25
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	4	0.25
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	4	0.25
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	4	0.25
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	4	0.25
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	4	0.25
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	4	0.25
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	4	0.25
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	6	0.25
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	6	0.25
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	6	0.25
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	6	0.25
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	6	0.25
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	6	0.25
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	7	0.25
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	7	0.25
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	7	0.25
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	7	0.25
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	7	0.25
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	9	0.25
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	9	0.25
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	9	0.25
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	9	0.25
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	9	0.25
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	9	0.25
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	12	0.25
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	12	0.25
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	12	0.25
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	12	0.25
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	12	0.25
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	12	0.25
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	13	0.25
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	13	0.25
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	13	0.25
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	13	0.25
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	13	0.25
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	13	0.25
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	15	0.25
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	15	0.25
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	15	0.25
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	15	0.25
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	15	0.25
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	15	0.25
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	18	0.25
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	18	0.25
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	18	0.25
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	18	0.25
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	18	0.25
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	18	0.25
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	5	0.25
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	5	0.25
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	5	0.25
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	12	0.25
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	13	0.25
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	18	0.25
(1,1014)	1:6:A:VAL:HG11	1:8:A:PHE:H	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:6:A:VAL:HG12	1:8:A:PHE:H	4	0.25
(1,1014)	1:6:A:VAL:HG13	1:8:A:PHE:H	4	0.25
(1,1014)	1:6:A:VAL:HG21	1:8:A:PHE:H	4	0.25
(1,1014)	1:6:A:VAL:HG22	1:8:A:PHE:H	4	0.25
(1,1014)	1:6:A:VAL:HG23	1:8:A:PHE:H	4	0.25
(1,983)	1:62:A:VAL:H	1:65:A:THR:HB	18	0.25
(1,981)	1:57:A:VAL:H	1:58:A:VAL:HB	4	0.25
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	9	0.25
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	18	0.25
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	10	0.25
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	11	0.25
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	12	0.25
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	3	0.25
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	3	0.25
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	3	0.25
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	3	0.25
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	3	0.25
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	3	0.25
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	3	0.25
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	3	0.25
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	3	0.25
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD11	15	0.25
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD12	15	0.25
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD13	15	0.25
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD11	15	0.25
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD12	15	0.25
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD13	15	0.25
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD11	15	0.25
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD12	15	0.25
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD13	15	0.25
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD11	1	0.25
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD12	1	0.25
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD13	1	0.25
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD11	1	0.25
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD12	1	0.25
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD13	1	0.25
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD11	1	0.25
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD12	1	0.25
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD13	1	0.25
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG21	6	0.25
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG22	6	0.25
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG23	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG21	6	0.25
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG22	6	0.25
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG23	6	0.25
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG21	6	0.25
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG22	6	0.25
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG23	6	0.25
(1,683)	1:4:A:LYS:HA	1:5:A:GLY:H	11	0.25
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	1	0.25
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	1	0.25
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	1	0.25
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	1	0.25
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	1	0.25
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	1	0.25
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	1	0.25
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	1	0.25
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	1	0.25
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	1	0.25
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	1	0.25
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	1	0.25
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	1	0.25
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	1	0.25
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	1	0.25
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	1	0.25
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	1	0.25
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	1	0.25
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG21	4	0.25
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG22	4	0.25
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG23	4	0.25
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG21	4	0.25
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG22	4	0.25
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG23	4	0.25
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG21	4	0.25
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG22	4	0.25
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG23	4	0.25
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	14	0.25
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	14	0.25
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	14	0.25
(1,453)	1:6:A:VAL:HB	1:7:A:THR:HA	2	0.25
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	5	0.25
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	5	0.25
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	5	0.25
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	8	0.25
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	8	0.25
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	17	0.25
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	19	0.25
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD21	13	0.25
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD22	13	0.25
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD23	13	0.25
(1,375)	1:56:A:CYS:HB3	1:57:A:VAL:HB	3	0.25
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	10	0.25
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG11	8	0.25
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG12	8	0.25
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG13	8	0.25
(1,153)	1:49:A:THR:HG21	1:50:A:GLU:HG2	16	0.25
(1,153)	1:49:A:THR:HG22	1:50:A:GLU:HG2	16	0.25
(1,153)	1:49:A:THR:HG23	1:50:A:GLU:HG2	16	0.25
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	1	0.25
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	11	0.25
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD11	4	0.25
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD12	4	0.25
(1,91)	1:71:A:ASP:HB3	1:72:A:LEU:HD13	4	0.25
(1,1692)	1:89:A:TYR:HE1	1:107:A:PHE:HD2	19	0.24
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	3	0.24
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	3	0.24
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	5	0.24
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	5	0.24
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	16	0.24
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	16	0.24
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	4	0.24
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	4	0.24
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	9	0.24
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	6	0.24
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	10	0.24
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	10	0.24
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	10	0.24
(1,1245)	1:28:A:LEU:HD11	1:108:A:TYR:H	19	0.24
(1,1245)	1:28:A:LEU:HD12	1:108:A:TYR:H	19	0.24
(1,1245)	1:28:A:LEU:HD13	1:108:A:TYR:H	19	0.24
(1,1245)	1:28:A:LEU:HD21	1:108:A:TYR:H	19	0.24
(1,1245)	1:28:A:LEU:HD22	1:108:A:TYR:H	19	0.24
(1,1245)	1:28:A:LEU:HD23	1:108:A:TYR:H	19	0.24
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	5	0.24
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	5	0.24
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	5	0.24
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	5	0.24
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	5	0.24
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	10	0.24
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	10	0.24
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	10	0.24
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	10	0.24
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	10	0.24
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	10	0.24
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	16	0.24
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	16	0.24
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	16	0.24
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	16	0.24
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	16	0.24
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	16	0.24
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	17	0.24
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	17	0.24
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	17	0.24
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	17	0.24
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	17	0.24
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	17	0.24
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	11	0.24
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	11	0.24
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	11	0.24
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	11	0.24
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	20	0.24
(1,1076)	1:90:A:LEU:H	1:91:A:PHE:HD2	10	0.24
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG21	8	0.24
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG22	8	0.24
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG23	8	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	1	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	2	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	3	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	4	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	5	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	6	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	7	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	8	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	13	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	14	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	16	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	17	0.24
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	19	0.24
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	18	0.24
(1,841)	1:30:A:GLU:H	1:30:A:GLU:HB2	19	0.24
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	11	0.24
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	11	0.24
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	11	0.24
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	10	0.24
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	10	0.24
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	10	0.24
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	10	0.24
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	10	0.24
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	10	0.24
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	10	0.24
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	10	0.24
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	10	0.24
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	16	0.24
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	16	0.24
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	16	0.24
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD11	14	0.24
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD12	14	0.24
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD13	14	0.24
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD11	14	0.24
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD12	14	0.24
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD13	14	0.24
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD11	14	0.24
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD12	14	0.24
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD13	14	0.24
(1,695)	1:28:A:LEU:HD11	1:106:A:SER:HA	16	0.24
(1,695)	1:28:A:LEU:HD12	1:106:A:SER:HA	16	0.24
(1,695)	1:28:A:LEU:HD13	1:106:A:SER:HA	16	0.24
(1,695)	1:28:A:LEU:HD21	1:106:A:SER:HA	16	0.24
(1,695)	1:28:A:LEU:HD22	1:106:A:SER:HA	16	0.24
(1,695)	1:28:A:LEU:HD23	1:106:A:SER:HA	16	0.24
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	14	0.24
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	14	0.24
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	14	0.24
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	5	0.24
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	5	0.24
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	5	0.24
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	13	0.24
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	13	0.24
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	10	0.24
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	10	0.24
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	10	0.24
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	15	0.24
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	15	0.24
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	15	0.24
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	8	0.24
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB2	3	0.24
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB2	3	0.24
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB2	3	0.24
(1,412)	1:63:A:VAL:HG21	1:67:A:GLN:HB3	3	0.24
(1,412)	1:63:A:VAL:HG22	1:67:A:GLN:HB3	3	0.24
(1,412)	1:63:A:VAL:HG23	1:67:A:GLN:HB3	3	0.24
(1,375)	1:56:A:CYS:HB3	1:57:A:VAL:HB	7	0.24
(1,362)	1:91:A:PHE:HE2	1:110:A:PRO:HG3	8	0.24
(1,284)	1:60:A:GLU:HB2	1:62:A:VAL:H	11	0.24
(1,284)	1:60:A:GLU:HB3	1:62:A:VAL:H	11	0.24
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	3	0.24
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	3	0.24
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG11	11	0.24
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG12	11	0.24
(1,219)	1:23:A:ARG:HB3	1:42:A:VAL:HG13	11	0.24
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	15	0.24
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	5	0.24
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	15	0.24
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	6	0.24
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	6	0.24
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	17	0.24
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	9	0.24
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	9	0.24
(1,19)	1:23:A:ARG:H	1:23:A:ARG:HD2	4	0.24
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG11	19	0.24
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG12	19	0.24
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG13	19	0.24
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	7	0.24
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	7	0.24
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	6	0.23
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	6	0.23
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	15	0.23
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	7	0.23
(1,1732)	1:14:A:TRP:HE3	1:20:A:LYS:HD3	9	0.23
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	13	0.23
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	13	0.23
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	13	0.23
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	16	0.23
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	16	0.23
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	16	0.23
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	8	0.23
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	8	0.23
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	8	0.23
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	1	0.23
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	5	0.23
(1,1690)	1:99:A:PHE:HD1	1:100:A:SER:H	15	0.23
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE1	1	0.23
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE2	1	0.23
(1,1645)	1:89:A:TYR:HD1	1:91:A:PHE:HE2	11	0.23
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	2	0.23
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	2	0.23
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	8	0.23
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	8	0.23
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	14	0.23
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	14	0.23
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	19	0.23
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	19	0.23
(1,1504)	1:51:A:VAL:HG11	1:91:A:PHE:H	2	0.23
(1,1504)	1:51:A:VAL:HG12	1:91:A:PHE:H	2	0.23
(1,1504)	1:51:A:VAL:HG13	1:91:A:PHE:H	2	0.23
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	10	0.23
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	1	0.23
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	11	0.23
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	11	0.23
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	1	0.23
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	1	0.23
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	1	0.23
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	10	0.23
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	10	0.23
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	10	0.23
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	9	0.23
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	8	0.23
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	13	0.23
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	11	0.23
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	12	0.23
(1,947)	1:26:A:PHE:HA	1:27:A:GLU:H	20	0.23
(1,892)	1:83:A:TRP:H	1:86:A:ALA:H	12	0.23
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	12	0.23
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	12	0.23
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	12	0.23
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	12	0.23
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	12	0.23
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	12	0.23
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	12	0.23
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	12	0.23
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	12	0.23
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG2	20	0.23
(1,775)	1:111:A:ASP:HA	1:112:A:GLU:HG3	20	0.23
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	5	0.23
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	5	0.23
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	5	0.23
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD11	6	0.23
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD12	6	0.23
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD13	6	0.23
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD11	6	0.23
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD12	6	0.23
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD13	6	0.23
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD11	6	0.23
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD12	6	0.23
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD13	6	0.23
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	6	0.23
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	6	0.23
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	6	0.23
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	7	0.23
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	7	0.23
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	7	0.23
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG21	12	0.23
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG22	12	0.23
(1,678)	1:22:A:VAL:HB	1:45:A:VAL:HG23	12	0.23
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG21	18	0.23
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG22	18	0.23
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG23	18	0.23
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG21	18	0.23
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG22	18	0.23
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG23	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG21	18	0.23
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG22	18	0.23
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG23	18	0.23
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	3	0.23
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	3	0.23
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	3	0.23
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	14	0.23
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	14	0.23
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	14	0.23
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	17	0.23
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	17	0.23
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	17	0.23
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	3	0.23
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	3	0.23
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	3	0.23
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	3	0.23
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD2	1	0.23
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD3	1	0.23
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB2	16	0.23
(1,238)	1:35:A:VAL:HG21	1:38:A:GLU:HB3	16	0.23
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB2	16	0.23
(1,238)	1:35:A:VAL:HG22	1:38:A:GLU:HB3	16	0.23
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB2	16	0.23
(1,238)	1:35:A:VAL:HG23	1:38:A:GLU:HB3	16	0.23
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	20	0.23
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	20	0.23
(1,206)	1:87:A:THR:HB	1:89:A:TYR:HD1	2	0.23
(1,206)	1:87:A:THR:HB	1:89:A:TYR:HD2	2	0.23
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	1	0.23
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	4	0.23
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	12	0.23
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	19	0.23
(1,153)	1:49:A:THR:HG21	1:50:A:GLU:HG2	6	0.23
(1,153)	1:49:A:THR:HG22	1:50:A:GLU:HG2	6	0.23
(1,153)	1:49:A:THR:HG23	1:50:A:GLU:HG2	6	0.23
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	9	0.23
(1,150)	1:50:A:GLU:HG2	1:51:A:VAL:H	4	0.23
(1,146)	1:96:A:GLU:HA	1:96:A:GLU:HG3	5	0.23
(1,146)	1:96:A:GLU:HA	1:96:A:GLU:HG3	16	0.23
(1,114)	1:59:A:ALA:HB1	1:60:A:GLU:HG3	8	0.23
(1,114)	1:59:A:ALA:HB2	1:60:A:GLU:HG3	8	0.23
(1,114)	1:59:A:ALA:HB3	1:60:A:GLU:HG3	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	4	0.23
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	11	0.23
(1,19)	1:23:A:ARG:H	1:23:A:ARG:HD2	9	0.23
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	2	0.23
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	2	0.23
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA2	4	0.23
(1,7)	1:4:A:LYS:HA	1:5:A:GLY:HA3	4	0.23
(1,6)	1:8:A:PHE:HA	1:9:A:GLY:HA3	5	0.23
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	13	0.22
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	19	0.22
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	19	0.22
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	19	0.22
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD1	11	0.22
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD2	11	0.22
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD1	11	0.22
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD2	11	0.22
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD1	11	0.22
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD2	11	0.22
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD1	11	0.22
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD2	11	0.22
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD1	11	0.22
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD2	11	0.22
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD1	11	0.22
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD2	11	0.22
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	3	0.22
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	3	0.22
(1,1571)	1:17:A:GLN:HE22	1:18:A:GLY:H	20	0.22
(1,1485)	1:12:A:THR:H	1:12:A:THR:HB	15	0.22
(1,1366)	1:40:A:CYS:H	1:41:A:SER:HB2	19	0.22
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	8	0.22
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	18	0.22
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	1	0.22
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	1	0.22
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	1	0.22
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	15	0.22
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	15	0.22
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	15	0.22
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	6	0.22
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	15	0.22
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	11	0.22
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	11	0.22
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	11	0.22
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	11	0.22
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	11	0.22
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	19	0.22
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	4	0.22
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	14	0.22
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	14	0.22
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	14	0.22
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	1	0.22
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	1	0.22
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	1	0.22
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE2	13	0.22
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE3	13	0.22
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE2	13	0.22
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE3	13	0.22
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE2	13	0.22
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE3	13	0.22
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	7	0.22
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	7	0.22
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	7	0.22
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD11	17	0.22
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD12	17	0.22
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD13	17	0.22
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD11	17	0.22
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD12	17	0.22
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD13	17	0.22
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD11	17	0.22
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD12	17	0.22
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD13	17	0.22
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	5	0.22
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	5	0.22
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	5	0.22
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG11	3	0.22
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG12	3	0.22
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG13	3	0.22
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG11	10	0.22
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG12	10	0.22
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG13	10	0.22
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG21	15	0.22
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG22	15	0.22
(1,628)	1:23:A:ARG:HD3	1:42:A:VAL:HG23	15	0.22
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG11	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG12	9	0.22
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG13	9	0.22
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	1	0.22
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	1	0.22
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	1	0.22
(1,517)	1:32:A:VAL:HG11	1:33:A:ASP:HA	10	0.22
(1,517)	1:32:A:VAL:HG12	1:33:A:ASP:HA	10	0.22
(1,517)	1:32:A:VAL:HG13	1:33:A:ASP:HA	10	0.22
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	15	0.22
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	15	0.22
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	15	0.22
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	14	0.22
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	14	0.22
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	14	0.22
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	11	0.22
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD1	9	0.22
(1,385)	1:28:A:LEU:HG	1:88:A:PHE:HD2	9	0.22
(1,375)	1:56:A:CYS:HB3	1:57:A:VAL:HB	8	0.22
(1,309)	1:35:A:VAL:HG21	1:39:A:LYS:HD2	6	0.22
(1,309)	1:35:A:VAL:HG21	1:39:A:LYS:HD3	6	0.22
(1,309)	1:35:A:VAL:HG22	1:39:A:LYS:HD2	6	0.22
(1,309)	1:35:A:VAL:HG22	1:39:A:LYS:HD3	6	0.22
(1,309)	1:35:A:VAL:HG23	1:39:A:LYS:HD2	6	0.22
(1,309)	1:35:A:VAL:HG23	1:39:A:LYS:HD3	6	0.22
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	14	0.22
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	2	0.22
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	2	0.22
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	8	0.22
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG21	4	0.22
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG22	4	0.22
(1,139)	1:50:A:GLU:HG3	1:51:A:VAL:HG23	4	0.22
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	19	0.22
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	19	0.22
(1,104)	1:97:A:GLU:H	1:97:A:GLU:HG2	1	0.22
(1,103)	1:91:A:PHE:HD2	1:97:A:GLU:HG2	13	0.22
(1,99)	1:74:A:THR:HG21	1:75:A:ASN:HB2	17	0.22
(1,99)	1:74:A:THR:HG21	1:75:A:ASN:HB3	17	0.22
(1,99)	1:74:A:THR:HG22	1:75:A:ASN:HB2	17	0.22
(1,99)	1:74:A:THR:HG22	1:75:A:ASN:HB3	17	0.22
(1,99)	1:74:A:THR:HG23	1:75:A:ASN:HB2	17	0.22
(1,99)	1:74:A:THR:HG23	1:75:A:ASN:HB3	17	0.22
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	10	0.22
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE2	14	0.22
(1,39)	1:60:A:GLU:HG3	1:64:A:LYS:HE3	14	0.22
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG11	20	0.22
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG12	20	0.22
(1,16)	1:43:A:TYR:HB3	1:58:A:VAL:HG13	20	0.22
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE1	3	0.21
(1,1780)	1:104:A:TYR:H	1:104:A:TYR:HE2	3	0.21
(1,1748)	1:19:A:TYR:HE1	1:46:A:GLU:HB2	19	0.21
(1,1748)	1:19:A:TYR:HE2	1:46:A:GLU:HB2	19	0.21
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	11	0.21
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	15	0.21
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	19	0.21
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	2	0.21
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	2	0.21
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	2	0.21
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	5	0.21
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	5	0.21
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	5	0.21
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	11	0.21
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	11	0.21
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	11	0.21
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	12	0.21
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	12	0.21
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	12	0.21
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	20	0.21
(1,1692)	1:89:A:TYR:HE1	1:107:A:PHE:HD1	2	0.21
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD1	7	0.21
(1,1684)	1:50:A:GLU:HA	1:99:A:PHE:HE1	2	0.21
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	11	0.21
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	15	0.21
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	15	0.21
(1,1421)	1:37:A:ASN:H	1:37:A:ASN:HD22	1	0.21
(1,1370)	1:35:A:VAL:HG11	1:40:A:CYS:H	17	0.21
(1,1370)	1:35:A:VAL:HG12	1:40:A:CYS:H	17	0.21
(1,1370)	1:35:A:VAL:HG13	1:40:A:CYS:H	17	0.21
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	12	0.21
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	17	0.21
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	19	0.21
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	19	0.21
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	19	0.21
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	11	0.21
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	18	0.21
(1,1265)	1:31:A:ARG:H	1:31:A:ARG:HE	9	0.21
(1,1174)	1:28:A:LEU:HA	1:107:A:PHE:H	19	0.21
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	2	0.21
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	14	0.21
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	15	0.21
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG11	1	0.21
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG12	1	0.21
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG13	1	0.21
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG11	7	0.21
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG12	7	0.21
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG13	7	0.21
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG11	15	0.21
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG12	15	0.21
(1,656)	1:21:A:ASN:HA	1:22:A:VAL:HG13	15	0.21
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	15	0.21
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	15	0.21
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	15	0.21
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	15	0.21
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	15	0.21
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	15	0.21
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	15	0.21
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	15	0.21
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	15	0.21
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	15	0.21
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	15	0.21
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	15	0.21
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	15	0.21
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	15	0.21
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	15	0.21
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	15	0.21
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	15	0.21
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	15	0.21
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	8	0.21
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	8	0.21
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	8	0.21
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	8	0.21
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	8	0.21
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	8	0.21
(1,501)	1:80:A:LEU:HD21	1:83:A:TRP:H	11	0.21
(1,501)	1:80:A:LEU:HD22	1:83:A:TRP:H	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,501)	1:80:A:LEU:HD23	1:83:A:TRP:H	11	0.21
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB2	19	0.21
(1,408)	1:46:A:GLU:HB2	1:47:A:SER:HB3	19	0.21
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB1	13	0.21
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB2	13	0.21
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB3	13	0.21
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB1	14	0.21
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB2	14	0.21
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB3	14	0.21
(1,329)	1:23:A:ARG:HG2	1:41:A:SER:HB2	6	0.21
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG11	15	0.21
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG12	15	0.21
(1,259)	1:41:A:SER:HB3	1:42:A:VAL:HG13	15	0.21
(1,229)	1:112:A:GLU:H	1:112:A:GLU:HB3	19	0.21
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	13	0.21
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	13	0.21
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	16	0.21
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	14	0.21
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	12	0.21
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	17	0.21
(1,146)	1:96:A:GLU:HA	1:96:A:GLU:HG3	1	0.21
(1,130)	1:8:A:PHE:HA	1:10:A:GLU:HG2	5	0.21
(1,130)	1:8:A:PHE:HA	1:10:A:GLU:HG3	5	0.21
(1,95)	1:24:A:ILE:HB	1:41:A:SER:HB3	2	0.21
(1,80)	1:10:A:GLU:H	1:11:A:ASP:HB3	6	0.21
(1,46)	1:4:A:LYS:HE2	1:5:A:GLY:H	12	0.21
(1,46)	1:4:A:LYS:HE3	1:5:A:GLY:H	12	0.21
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	1	0.21
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	1	0.21
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	7	0.21
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	7	0.21
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	18	0.21
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	18	0.21
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE2	20	0.21
(1,41)	1:63:A:VAL:HG21	1:64:A:LYS:HE3	20	0.21
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE2	20	0.21
(1,41)	1:63:A:VAL:HG22	1:64:A:LYS:HE3	20	0.21
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE2	20	0.21
(1,41)	1:63:A:VAL:HG23	1:64:A:LYS:HE3	20	0.21
(1,6)	1:8:A:PHE:HA	1:9:A:GLY:HA3	15	0.21
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	10	0.2
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	9	0.2
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	9	0.2
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	9	0.2
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	15	0.2
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	15	0.2
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	15	0.2
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	20	0.2
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	20	0.2
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	20	0.2
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE1	12	0.2
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE2	12	0.2
(1,1646)	1:91:A:PHE:HD2	1:104:A:TYR:HD2	2	0.2
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	12	0.2
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	12	0.2
(1,1500)	1:91:A:PHE:H	1:91:A:PHE:HD2	18	0.2
(1,1485)	1:12:A:THR:H	1:12:A:THR:HB	17	0.2
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	13	0.2
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	14	0.2
(1,1056)	1:91:A:PHE:HD2	1:94:A:ALA:H	1	0.2
(1,1051)	1:57:A:VAL:HB	1:58:A:VAL:H	6	0.2
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	8	0.2
(1,892)	1:83:A:TRP:H	1:86:A:ALA:H	7	0.2
(1,841)	1:30:A:GLU:H	1:30:A:GLU:HB2	5	0.2
(1,841)	1:30:A:GLU:H	1:30:A:GLU:HB2	13	0.2
(1,841)	1:30:A:GLU:H	1:30:A:GLU:HB2	15	0.2
(1,841)	1:30:A:GLU:H	1:30:A:GLU:HB2	16	0.2
(1,841)	1:30:A:GLU:H	1:30:A:GLU:HB2	17	0.2
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD11	13	0.2
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD12	13	0.2
(1,815)	1:32:A:VAL:HG11	1:78:A:ILE:HD13	13	0.2
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD11	13	0.2
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD12	13	0.2
(1,815)	1:32:A:VAL:HG12	1:78:A:ILE:HD13	13	0.2
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD11	13	0.2
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD12	13	0.2
(1,815)	1:32:A:VAL:HG13	1:78:A:ILE:HD13	13	0.2
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	12	0.2
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD11	1	0.2
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD12	1	0.2
(1,771)	1:55:A:ALA:HB1	1:90:A:LEU:HD13	1	0.2
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD11	1	0.2
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD12	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:55:A:ALA:HB2	1:90:A:LEU:HD13	1	0.2
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD11	1	0.2
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD12	1	0.2
(1,771)	1:55:A:ALA:HB3	1:90:A:LEU:HD13	1	0.2
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD21	18	0.2
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD22	18	0.2
(1,748)	1:69:A:VAL:HG21	1:73:A:LEU:HD23	18	0.2
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD21	18	0.2
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD22	18	0.2
(1,748)	1:69:A:VAL:HG22	1:73:A:LEU:HD23	18	0.2
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD21	18	0.2
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD22	18	0.2
(1,748)	1:69:A:VAL:HG23	1:73:A:LEU:HD23	18	0.2
(1,721)	1:94:A:ALA:HB1	1:98:A:ASN:HD22	1	0.2
(1,721)	1:94:A:ALA:HB2	1:98:A:ASN:HD22	1	0.2
(1,721)	1:94:A:ALA:HB3	1:98:A:ASN:HD22	1	0.2
(1,695)	1:28:A:LEU:HD11	1:106:A:SER:HA	13	0.2
(1,695)	1:28:A:LEU:HD12	1:106:A:SER:HA	13	0.2
(1,695)	1:28:A:LEU:HD13	1:106:A:SER:HA	13	0.2
(1,695)	1:28:A:LEU:HD21	1:106:A:SER:HA	13	0.2
(1,695)	1:28:A:LEU:HD22	1:106:A:SER:HA	13	0.2
(1,695)	1:28:A:LEU:HD23	1:106:A:SER:HA	13	0.2
(1,686)	1:88:A:PHE:HA	1:107:A:PHE:HB2	12	0.2
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG11	17	0.2
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG12	17	0.2
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG13	17	0.2
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG11	20	0.2
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG12	20	0.2
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG13	20	0.2
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	2	0.2
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	2	0.2
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	2	0.2
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	9	0.2
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	9	0.2
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	9	0.2
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	9	0.2
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	9	0.2
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	9	0.2
(1,478)	1:90:A:LEU:HD21	1:103:A:MET:HA	5	0.2
(1,478)	1:90:A:LEU:HD22	1:103:A:MET:HA	5	0.2
(1,478)	1:90:A:LEU:HD23	1:103:A:MET:HA	5	0.2
(1,456)	1:24:A:ILE:HG21	1:26:A:PHE:HA	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,456)	1:24:A:ILE:HG22	1:26:A:PHE:HA	9	0.2
(1,456)	1:24:A:ILE:HG23	1:26:A:PHE:HA	9	0.2
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	7	0.2
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	7	0.2
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	7	0.2
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD21	8	0.2
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD22	8	0.2
(1,394)	1:32:A:VAL:HG11	1:66:A:LEU:HD23	8	0.2
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD21	8	0.2
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD22	8	0.2
(1,394)	1:32:A:VAL:HG12	1:66:A:LEU:HD23	8	0.2
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD21	8	0.2
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD22	8	0.2
(1,394)	1:32:A:VAL:HG13	1:66:A:LEU:HD23	8	0.2
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD11	20	0.2
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD12	20	0.2
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD13	20	0.2
(1,354)	1:2:A:PRO:HA	1:3:A:ILE:HG12	7	0.2
(1,255)	1:62:A:VAL:HA	1:66:A:LEU:HD11	5	0.2
(1,255)	1:62:A:VAL:HA	1:66:A:LEU:HD12	5	0.2
(1,255)	1:62:A:VAL:HA	1:66:A:LEU:HD13	5	0.2
(1,229)	1:112:A:GLU:H	1:112:A:GLU:HB3	8	0.2
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	17	0.2
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	6	0.2
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	9	0.2
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	12	0.2
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	12	0.2
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD11	9	0.2
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD12	9	0.2
(1,137)	1:22:A:VAL:HB	1:24:A:ILE:HD13	9	0.2
(1,99)	1:74:A:THR:HG21	1:75:A:ASN:HB2	11	0.2
(1,99)	1:74:A:THR:HG21	1:75:A:ASN:HB3	11	0.2
(1,99)	1:74:A:THR:HG22	1:75:A:ASN:HB2	11	0.2
(1,99)	1:74:A:THR:HG22	1:75:A:ASN:HB3	11	0.2
(1,99)	1:74:A:THR:HG23	1:75:A:ASN:HB2	11	0.2
(1,99)	1:74:A:THR:HG23	1:75:A:ASN:HB3	11	0.2
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	18	0.2
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	18	0.2
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	14	0.2
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	4	0.2
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	4	0.2
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	12	0.2
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	15	0.2
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	15	0.2
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	17	0.2
(1,1776)	1:25:A:THR:HB	1:104:A:TYR:HE1	13	0.19
(1,1776)	1:25:A:THR:HB	1:104:A:TYR:HE2	13	0.19
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE1	2	0.19
(1,1774)	1:93:A:ASP:H	1:104:A:TYR:HE2	2	0.19
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	19	0.19
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	19	0.19
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	2	0.19
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	2	0.19
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	2	0.19
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	1	0.19
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	6	0.19
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	17	0.19
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	4	0.19
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	4	0.19
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	4	0.19
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	10	0.19
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	10	0.19
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	10	0.19
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	15	0.19
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	15	0.19
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	13	0.19
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	13	0.19
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	16	0.19
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	16	0.19
(1,1541)	1:67:A:GLN:HE22	1:80:A:LEU:HD11	9	0.19
(1,1541)	1:67:A:GLN:HE22	1:80:A:LEU:HD12	9	0.19
(1,1541)	1:67:A:GLN:HE22	1:80:A:LEU:HD13	9	0.19
(1,1541)	1:67:A:GLN:HE22	1:80:A:LEU:HD11	15	0.19
(1,1541)	1:67:A:GLN:HE22	1:80:A:LEU:HD12	15	0.19
(1,1541)	1:67:A:GLN:HE22	1:80:A:LEU:HD13	15	0.19
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	19	0.19
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	19	0.19
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	19	0.19
(1,1393)	1:66:A:LEU:H	1:67:A:GLN:HB2	12	0.19
(1,1370)	1:35:A:VAL:HG11	1:40:A:CYS:H	7	0.19
(1,1370)	1:35:A:VAL:HG12	1:40:A:CYS:H	7	0.19
(1,1370)	1:35:A:VAL:HG13	1:40:A:CYS:H	7	0.19
(1,1359)	1:104:A:TYR:HB2	1:105:A:CYS:H	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	5	0.19
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	16	0.19
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	10	0.19
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	20	0.19
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	8	0.19
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	5	0.19
(1,1140)	1:22:A:VAL:HG21	1:103:A:MET:H	15	0.19
(1,1140)	1:22:A:VAL:HG22	1:103:A:MET:H	15	0.19
(1,1140)	1:22:A:VAL:HG23	1:103:A:MET:H	15	0.19
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD11	17	0.19
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD12	17	0.19
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD13	17	0.19
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	5	0.19
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	8	0.19
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	10	0.19
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	5	0.19
(1,841)	1:30:A:GLU:H	1:30:A:GLU:HB2	2	0.19
(1,841)	1:30:A:GLU:H	1:30:A:GLU:HB2	14	0.19
(1,825)	1:24:A:ILE:HD11	1:58:A:VAL:HA	4	0.19
(1,825)	1:24:A:ILE:HD12	1:58:A:VAL:HA	4	0.19
(1,825)	1:24:A:ILE:HD13	1:58:A:VAL:HA	4	0.19
(1,781)	1:111:A:ASP:HA	1:112:A:GLU:HA	13	0.19
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB1	7	0.19
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB2	7	0.19
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB3	7	0.19
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB1	7	0.19
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB2	7	0.19
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB3	7	0.19
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB1	7	0.19
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB2	7	0.19
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB3	7	0.19
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	10	0.19
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	10	0.19
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	10	0.19
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	12	0.19
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	12	0.19
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	12	0.19
(1,652)	1:22:A:VAL:HG11	1:103:A:MET:H	5	0.19
(1,652)	1:22:A:VAL:HG12	1:103:A:MET:H	5	0.19
(1,652)	1:22:A:VAL:HG13	1:103:A:MET:H	5	0.19
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG11	3	0.19
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG12	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG13	3	0.19
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG11	8	0.19
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG12	8	0.19
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG13	8	0.19
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	15	0.19
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	15	0.19
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	15	0.19
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	2	0.19
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	2	0.19
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	2	0.19
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	12	0.19
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	12	0.19
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	12	0.19
(1,472)	1:4:A:LYS:HG3	1:5:A:GLY:H	9	0.19
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	16	0.19
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	16	0.19
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	16	0.19
(1,425)	1:35:A:VAL:HG21	1:39:A:LYS:HG2	14	0.19
(1,425)	1:35:A:VAL:HG21	1:39:A:LYS:HG3	14	0.19
(1,425)	1:35:A:VAL:HG22	1:39:A:LYS:HG2	14	0.19
(1,425)	1:35:A:VAL:HG22	1:39:A:LYS:HG3	14	0.19
(1,425)	1:35:A:VAL:HG23	1:39:A:LYS:HG2	14	0.19
(1,425)	1:35:A:VAL:HG23	1:39:A:LYS:HG3	14	0.19
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	12	0.19
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB1	16	0.19
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB2	16	0.19
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB3	16	0.19
(1,362)	1:91:A:PHE:HE2	1:110:A:PRO:HG3	11	0.19
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	8	0.19
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	20	0.19
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	16	0.19
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	16	0.19
(1,209)	1:87:A:THR:HB	1:89:A:TYR:H	13	0.19
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	2	0.19
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	19	0.19
(1,194)	1:11:A:ASP:HA	1:12:A:THR:HB	18	0.19
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	10	0.19
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	19	0.19
(1,104)	1:97:A:GLU:H	1:97:A:GLU:HG2	9	0.19
(1,104)	1:97:A:GLU:H	1:97:A:GLU:HG2	11	0.19
(1,83)	1:8:A:PHE:H	1:8:A:PHE:HB2	15	0.19
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	19	0.19
(1,64)	1:80:A:LEU:HB2	1:81:A:ASP:HB2	10	0.19
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	3	0.19
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	19	0.19
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	19	0.19
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	20	0.18
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	20	0.18
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	5	0.18
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	14	0.18
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	1	0.18
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	1	0.18
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	1	0.18
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	17	0.18
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	17	0.18
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	17	0.18
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD1	1	0.18
(1,1682)	1:45:A:VAL:HG21	1:99:A:PHE:HD1	9	0.18
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	7	0.18
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	7	0.18
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	20	0.18
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	20	0.18
(1,1485)	1:12:A:THR:H	1:12:A:THR:HB	7	0.18
(1,1440)	1:63:A:VAL:HA	1:65:A:THR:H	5	0.18
(1,1431)	1:93:A:ASP:H	1:100:A:SER:HB2	1	0.18
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	2	0.18
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	4	0.18
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	4	0.18
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	4	0.18
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	7	0.18
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	9	0.18
(1,1293)	1:6:A:VAL:H	1:6:A:VAL:HB	19	0.18
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	13	0.18
(1,1194)	1:59:A:ALA:H	1:88:A:PHE:HB3	13	0.18
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	1	0.18
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	1	0.18
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	1	0.18
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	1	0.18
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	1	0.18
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	1	0.18
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	2	0.18
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	3	0.18
(1,1059)	1:94:A:ALA:H	1:95:A:GLY:HA3	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,943)	1:96:A:GLU:HB3	1:97:A:GLU:H	19	0.18
(1,841)	1:30:A:GLU:H	1:30:A:GLU:HB2	6	0.18
(1,832)	1:3:A:ILE:HD11	1:17:A:GLN:HA	4	0.18
(1,832)	1:3:A:ILE:HD12	1:17:A:GLN:HA	4	0.18
(1,832)	1:3:A:ILE:HD13	1:17:A:GLN:HA	4	0.18
(1,828)	1:91:A:PHE:HE2	1:110:A:PRO:HD2	12	0.18
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE2	1	0.18
(1,779)	1:3:A:ILE:HG21	1:4:A:LYS:HE3	1	0.18
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE2	1	0.18
(1,779)	1:3:A:ILE:HG22	1:4:A:LYS:HE3	1	0.18
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE2	1	0.18
(1,779)	1:3:A:ILE:HG23	1:4:A:LYS:HE3	1	0.18
(1,709)	1:29:A:ASP:HB3	1:32:A:VAL:HG11	1	0.18
(1,709)	1:29:A:ASP:HB3	1:32:A:VAL:HG12	1	0.18
(1,709)	1:29:A:ASP:HB3	1:32:A:VAL:HG13	1	0.18
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	2	0.18
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	5	0.18
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	8	0.18
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	12	0.18
(1,643)	1:14:A:TRP:HA	1:15:A:GLU:HG2	17	0.18
(1,643)	1:14:A:TRP:HA	1:15:A:GLU:HG3	17	0.18
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG21	13	0.18
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG22	13	0.18
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG23	13	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG21	13	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG22	13	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG23	13	0.18
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG21	14	0.18
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG22	14	0.18
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG23	14	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG21	14	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG22	14	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG23	14	0.18
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG21	18	0.18
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG22	18	0.18
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG23	18	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG21	18	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG22	18	0.18
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG23	18	0.18
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	19	0.18
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	19	0.18
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG21	20	0.18
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG22	20	0.18
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG23	20	0.18
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG21	20	0.18
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG22	20	0.18
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG23	20	0.18
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG21	20	0.18
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG22	20	0.18
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG23	20	0.18
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG21	19	0.18
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG22	19	0.18
(1,558)	1:19:A:TYR:H	1:44:A:THR:HG23	19	0.18
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD11	19	0.18
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD12	19	0.18
(1,446)	1:71:A:ASP:H	1:72:A:LEU:HD13	19	0.18
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB1	18	0.18
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB2	18	0.18
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB3	18	0.18
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	11	0.18
(1,358)	1:28:A:LEU:HD11	1:66:A:LEU:HD11	19	0.18
(1,358)	1:28:A:LEU:HD11	1:66:A:LEU:HD12	19	0.18
(1,358)	1:28:A:LEU:HD11	1:66:A:LEU:HD13	19	0.18
(1,358)	1:28:A:LEU:HD12	1:66:A:LEU:HD11	19	0.18
(1,358)	1:28:A:LEU:HD12	1:66:A:LEU:HD12	19	0.18
(1,358)	1:28:A:LEU:HD12	1:66:A:LEU:HD13	19	0.18
(1,358)	1:28:A:LEU:HD13	1:66:A:LEU:HD11	19	0.18
(1,358)	1:28:A:LEU:HD13	1:66:A:LEU:HD12	19	0.18
(1,358)	1:28:A:LEU:HD13	1:66:A:LEU:HD13	19	0.18
(1,358)	1:28:A:LEU:HD21	1:66:A:LEU:HD11	19	0.18
(1,358)	1:28:A:LEU:HD21	1:66:A:LEU:HD12	19	0.18
(1,358)	1:28:A:LEU:HD21	1:66:A:LEU:HD13	19	0.18
(1,358)	1:28:A:LEU:HD22	1:66:A:LEU:HD11	19	0.18
(1,358)	1:28:A:LEU:HD22	1:66:A:LEU:HD12	19	0.18
(1,358)	1:28:A:LEU:HD22	1:66:A:LEU:HD13	19	0.18
(1,358)	1:28:A:LEU:HD23	1:66:A:LEU:HD11	19	0.18
(1,358)	1:28:A:LEU:HD23	1:66:A:LEU:HD12	19	0.18
(1,358)	1:28:A:LEU:HD23	1:66:A:LEU:HD13	19	0.18
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	10	0.18
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	11	0.18
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	12	0.18
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	15	0.18
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	12	0.18
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	12	0.18
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	17	0.18
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	17	0.18
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	18	0.18
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	18	0.18
(1,209)	1:87:A:THR:HB	1:89:A:TYR:H	7	0.18
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	5	0.18
(1,104)	1:97:A:GLU:H	1:97:A:GLU:HG2	2	0.18
(1,104)	1:97:A:GLU:H	1:97:A:GLU:HG2	6	0.18
(1,104)	1:97:A:GLU:H	1:97:A:GLU:HG2	12	0.18
(1,61)	1:20:A:LYS:HE2	1:99:A:PHE:HE1	7	0.18
(1,46)	1:4:A:LYS:HE2	1:5:A:GLY:H	9	0.18
(1,46)	1:4:A:LYS:HE3	1:5:A:GLY:H	9	0.18
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	2	0.18
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	2	0.18
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	8	0.18
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	8	0.18
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	10	0.18
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	10	0.18
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE2	17	0.18
(1,45)	1:64:A:LYS:HG2	1:64:A:LYS:HE3	17	0.18
(1,30)	1:92:A:ASP:HB3	1:94:A:ALA:HA	18	0.18
(1,19)	1:23:A:ARG:H	1:23:A:ARG:HD2	17	0.18
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	7	0.17
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	20	0.17
(1,1692)	1:89:A:TYR:HE2	1:107:A:PHE:HD1	17	0.17
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	19	0.17
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	19	0.17
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	1	0.17
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	1	0.17
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	5	0.17
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	5	0.17
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	12	0.17
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	12	0.17
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	17	0.17
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	17	0.17
(1,1594)	1:30:A:GLU:HA	1:32:A:VAL:H	12	0.17
(1,1555)	1:84:A:SER:H	1:85:A:VAL:HA	13	0.17
(1,1500)	1:91:A:PHE:H	1:91:A:PHE:HD2	7	0.17
(1,1421)	1:37:A:ASN:H	1:37:A:ASN:HD22	4	0.17
(1,1359)	1:104:A:TYR:HB2	1:105:A:CYS:H	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	4	0.17
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	10	0.17
(1,1309)	1:73:A:LEU:H	1:73:A:LEU:HG	11	0.17
(1,1172)	1:107:A:PHE:H	1:107:A:PHE:HD2	12	0.17
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	8	0.17
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	1	0.17
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	19	0.17
(1,1059)	1:94:A:ALA:H	1:95:A:GLY:HA3	17	0.17
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	3	0.17
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	8	0.17
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	9	0.17
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	17	0.17
(1,868)	1:24:A:ILE:H	1:41:A:SER:HB3	3	0.17
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG11	11	0.17
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG12	11	0.17
(1,753)	1:82:A:GLU:HA	1:85:A:VAL:HG13	11	0.17
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	3	0.17
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	3	0.17
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	3	0.17
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	3	0.17
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	17	0.17
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	20	0.17
(1,643)	1:14:A:TRP:HA	1:15:A:GLU:HG2	18	0.17
(1,643)	1:14:A:TRP:HA	1:15:A:GLU:HG3	18	0.17
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG21	6	0.17
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG22	6	0.17
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG23	6	0.17
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG21	6	0.17
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG22	6	0.17
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG23	6	0.17
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG21	15	0.17
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG22	15	0.17
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG23	15	0.17
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG21	15	0.17
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG22	15	0.17
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG23	15	0.17
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG21	20	0.17
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG22	20	0.17
(1,606)	1:84:A:SER:HB2	1:85:A:VAL:HG23	20	0.17
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG21	20	0.17
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG22	20	0.17
(1,606)	1:84:A:SER:HB3	1:85:A:VAL:HG23	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	20	0.17
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	20	0.17
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	20	0.17
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	20	0.17
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	20	0.17
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	20	0.17
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	10	0.17
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	10	0.17
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	10	0.17
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	17	0.17
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	17	0.17
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	17	0.17
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG11	1	0.17
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG12	1	0.17
(1,562)	1:32:A:VAL:HA	1:35:A:VAL:HG13	1	0.17
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	1	0.17
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	1	0.17
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	1	0.17
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	8	0.17
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	8	0.17
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	8	0.17
(1,527)	1:63:A:VAL:HG11	1:84:A:SER:HA	20	0.17
(1,527)	1:63:A:VAL:HG12	1:84:A:SER:HA	20	0.17
(1,527)	1:63:A:VAL:HG13	1:84:A:SER:HA	20	0.17
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD21	14	0.17
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD22	14	0.17
(1,504)	1:78:A:ILE:HG21	1:80:A:LEU:HD23	14	0.17
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD21	14	0.17
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD22	14	0.17
(1,504)	1:78:A:ILE:HG22	1:80:A:LEU:HD23	14	0.17
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD21	14	0.17
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD22	14	0.17
(1,504)	1:78:A:ILE:HG23	1:80:A:LEU:HD23	14	0.17
(1,475)	1:90:A:LEU:HD21	1:91:A:PHE:H	4	0.17
(1,475)	1:90:A:LEU:HD22	1:91:A:PHE:H	4	0.17
(1,475)	1:90:A:LEU:HD23	1:91:A:PHE:H	4	0.17
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA2	16	0.17
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA3	16	0.17
(1,437)	1:63:A:VAL:HG21	1:64:A:LYS:HG2	14	0.17
(1,437)	1:63:A:VAL:HG22	1:64:A:LYS:HG2	14	0.17
(1,437)	1:63:A:VAL:HG23	1:64:A:LYS:HG2	14	0.17
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD11	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD12	15	0.17
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD13	15	0.17
(1,362)	1:91:A:PHE:HE2	1:110:A:PRO:HG3	7	0.17
(1,340)	1:39:A:LYS:HD2	1:40:A:CYS:HB2	4	0.17
(1,340)	1:39:A:LYS:HD3	1:40:A:CYS:HB2	4	0.17
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG11	2	0.17
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG12	2	0.17
(1,336)	1:23:A:ARG:HG3	1:42:A:VAL:HG13	2	0.17
(1,295)	1:4:A:LYS:HA	1:4:A:LYS:HD2	14	0.17
(1,295)	1:4:A:LYS:HA	1:4:A:LYS:HD3	14	0.17
(1,263)	1:13:A:VAL:HA	1:14:A:TRP:HB3	17	0.17
(1,229)	1:112:A:GLU:H	1:112:A:GLU:HB3	16	0.17
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	1	0.17
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	2	0.17
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	5	0.17
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	18	0.17
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	1	0.17
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	1	0.17
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	19	0.17
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	19	0.17
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	8	0.17
(1,153)	1:49:A:THR:HG21	1:50:A:GLU:HG2	13	0.17
(1,153)	1:49:A:THR:HG22	1:50:A:GLU:HG2	13	0.17
(1,153)	1:49:A:THR:HG23	1:50:A:GLU:HG2	13	0.17
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG2	4	0.17
(1,134)	1:112:A:GLU:H	1:112:A:GLU:HG3	4	0.17
(1,76)	1:33:A:ASP:HB3	1:37:A:ASN:HD21	7	0.17
(1,64)	1:80:A:LEU:HB2	1:81:A:ASP:HB2	6	0.17
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	13	0.17
(1,49)	1:97:A:GLU:H	1:98:A:ASN:HB2	3	0.17
(1,38)	1:39:A:LYS:HA	1:39:A:LYS:HE2	20	0.17
(1,38)	1:39:A:LYS:HA	1:39:A:LYS:HE3	20	0.17
(1,34)	1:34:A:LYS:HG2	1:34:A:LYS:HE2	7	0.17
(1,34)	1:34:A:LYS:HG2	1:34:A:LYS:HE3	7	0.17
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	9	0.16
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	9	0.16
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	9	0.16
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	8	0.16
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	12	0.16
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	8	0.16
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE1	14	0.16
(1,1666)	1:88:A:PHE:H	1:88:A:PHE:HE2	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD1	8	0.16
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD2	8	0.16
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD1	8	0.16
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD2	8	0.16
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD1	8	0.16
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD2	8	0.16
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD1	8	0.16
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD2	8	0.16
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD1	8	0.16
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD2	8	0.16
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD1	8	0.16
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD2	8	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	1	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	1	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	2	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	2	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	3	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	3	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	6	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	6	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	7	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	7	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	9	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	9	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	12	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	12	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	17	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	17	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	18	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	18	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	20	0.16
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	20	0.16
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	6	0.16
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	6	0.16
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD1	11	0.16
(1,1607)	1:107:A:PHE:HA	1:108:A:TYR:HD2	11	0.16
(1,1605)	1:102:A:ARG:HG3	1:104:A:TYR:HD1	8	0.16
(1,1605)	1:102:A:ARG:HG3	1:104:A:TYR:HD2	8	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	2	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	2	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	3	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	4	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	4	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	6	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	6	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	7	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	7	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	8	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	8	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	9	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	9	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	10	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	10	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	11	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	11	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	13	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	13	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	14	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	14	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	15	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	15	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	16	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	16	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	18	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	18	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	19	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	19	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD1	20	0.16
(1,1603)	1:108:A:TYR:HA	1:108:A:TYR:HD2	20	0.16
(1,1555)	1:84:A:SER:H	1:85:A:VAL:HA	6	0.16
(1,1555)	1:84:A:SER:H	1:85:A:VAL:HA	20	0.16
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD21	14	0.16
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD22	14	0.16
(1,1449)	1:65:A:THR:H	1:66:A:LEU:HD23	14	0.16
(1,1444)	1:36:A:LEU:HA	1:39:A:LYS:H	13	0.16
(1,1421)	1:37:A:ASN:H	1:37:A:ASN:HD22	7	0.16
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	9	0.16
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	16	0.16
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	19	0.16
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	18	0.16
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	18	0.16
(1,1293)	1:6:A:VAL:H	1:6:A:VAL:HB	8	0.16
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	14	0.16
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	14	0.16
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	14	0.16
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	14	0.16
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	14	0.16
(1,1172)	1:107:A:PHE:H	1:107:A:PHE:HD2	5	0.16
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	14	0.16
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	16	0.16
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	16	0.16
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	3	0.16
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	7	0.16
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	15	0.16
(1,1059)	1:94:A:ALA:H	1:95:A:GLY:HA3	9	0.16
(1,1059)	1:94:A:ALA:H	1:95:A:GLY:HA3	14	0.16
(1,1014)	1:6:A:VAL:HG11	1:8:A:PHE:H	3	0.16
(1,1014)	1:6:A:VAL:HG12	1:8:A:PHE:H	3	0.16
(1,1014)	1:6:A:VAL:HG13	1:8:A:PHE:H	3	0.16
(1,1014)	1:6:A:VAL:HG21	1:8:A:PHE:H	3	0.16
(1,1014)	1:6:A:VAL:HG22	1:8:A:PHE:H	3	0.16
(1,1014)	1:6:A:VAL:HG23	1:8:A:PHE:H	3	0.16
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG21	20	0.16
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG22	20	0.16
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG23	20	0.16
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	4	0.16
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	7	0.16
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	10	0.16
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	13	0.16
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	16	0.16
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	19	0.16
(1,683)	1:4:A:LYS:HA	1:5:A:GLY:H	10	0.16
(1,643)	1:14:A:TRP:HA	1:15:A:GLU:HG2	12	0.16
(1,643)	1:14:A:TRP:HA	1:15:A:GLU:HG3	12	0.16
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	11	0.16
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	11	0.16
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	11	0.16
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	12	0.16
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	12	0.16
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	12	0.16
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA2	8	0.16
(1,473)	1:4:A:LYS:HG3	1:5:A:GLY:HA3	8	0.16
(1,437)	1:63:A:VAL:HG21	1:64:A:LYS:HG2	10	0.16
(1,437)	1:63:A:VAL:HG22	1:64:A:LYS:HG2	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:63:A:VAL:HG23	1:64:A:LYS:HG2	10	0.16
(1,354)	1:2:A:PRO:HA	1:3:A:ILE:HG12	4	0.16
(1,291)	1:62:A:VAL:H	1:64:A:LYS:HD2	20	0.16
(1,291)	1:62:A:VAL:H	1:64:A:LYS:HD3	20	0.16
(1,261)	1:50:A:GLU:HA	1:53:A:GLU:HB3	9	0.16
(1,227)	1:50:A:GLU:HB2	1:51:A:VAL:HA	9	0.16
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	2	0.16
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	2	0.16
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	5	0.16
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	5	0.16
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	7	0.16
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	20	0.16
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	5	0.16
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	5	0.16
(1,54)	1:20:A:LYS:HE3	1:47:A:SER:H	20	0.16
(1,38)	1:39:A:LYS:HA	1:39:A:LYS:HE2	17	0.16
(1,38)	1:39:A:LYS:HA	1:39:A:LYS:HE3	17	0.16
(1,30)	1:92:A:ASP:HB3	1:94:A:ALA:HA	9	0.16
(1,25)	1:102:A:ARG:H	1:102:A:ARG:HD3	6	0.16
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE1	6	0.15
(1,1756)	1:17:A:GLN:HA	1:19:A:TYR:HE2	6	0.15
(1,1727)	1:62:A:VAL:HG11	1:83:A:TRP:HZ3	6	0.15
(1,1727)	1:62:A:VAL:HG12	1:83:A:TRP:HZ3	6	0.15
(1,1727)	1:62:A:VAL:HG13	1:83:A:TRP:HZ3	6	0.15
(1,1711)	1:12:A:THR:HG21	1:14:A:TRP:HD1	8	0.15
(1,1711)	1:12:A:THR:HG22	1:14:A:TRP:HD1	8	0.15
(1,1711)	1:12:A:THR:HG23	1:14:A:TRP:HD1	8	0.15
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	4	0.15
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	4	0.15
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	8	0.15
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	8	0.15
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	13	0.15
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	13	0.15
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	14	0.15
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	14	0.15
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	4	0.15
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	4	0.15
(1,1594)	1:30:A:GLU:HA	1:32:A:VAL:H	11	0.15
(1,1552)	1:80:A:LEU:HA	1:84:A:SER:H	16	0.15
(1,1504)	1:51:A:VAL:HG11	1:91:A:PHE:H	16	0.15
(1,1504)	1:51:A:VAL:HG12	1:91:A:PHE:H	16	0.15
(1,1504)	1:51:A:VAL:HG13	1:91:A:PHE:H	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:63:A:VAL:HA	1:65:A:THR:H	2	0.15
(1,1421)	1:37:A:ASN:H	1:37:A:ASN:HD22	17	0.15
(1,1370)	1:35:A:VAL:HG11	1:40:A:CYS:H	14	0.15
(1,1370)	1:35:A:VAL:HG12	1:40:A:CYS:H	14	0.15
(1,1370)	1:35:A:VAL:HG13	1:40:A:CYS:H	14	0.15
(1,1366)	1:40:A:CYS:H	1:41:A:SER:HB2	3	0.15
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	7	0.15
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	20	0.15
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	11	0.15
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	11	0.15
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	2	0.15
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	2	0.15
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	2	0.15
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	19	0.15
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	19	0.15
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	19	0.15
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	7	0.15
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	6	0.15
(1,1143)	1:16:A:VAL:H	1:19:A:TYR:H	17	0.15
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	5	0.15
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD11	13	0.15
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD12	13	0.15
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD13	13	0.15
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	6	0.15
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	17	0.15
(1,1076)	1:90:A:LEU:H	1:91:A:PHE:HD2	9	0.15
(1,1059)	1:94:A:ALA:H	1:95:A:GLY:HA3	8	0.15
(1,1059)	1:94:A:ALA:H	1:95:A:GLY:HA3	10	0.15
(1,1056)	1:91:A:PHE:HD2	1:94:A:ALA:H	2	0.15
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	14	0.15
(1,675)	1:90:A:LEU:HD21	1:104:A:TYR:HA	11	0.15
(1,675)	1:90:A:LEU:HD22	1:104:A:TYR:HA	11	0.15
(1,675)	1:90:A:LEU:HD23	1:104:A:TYR:HA	11	0.15
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD21	7	0.15
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD22	7	0.15
(1,640)	1:35:A:VAL:HG21	1:66:A:LEU:HD23	7	0.15
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD21	7	0.15
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD22	7	0.15
(1,640)	1:35:A:VAL:HG22	1:66:A:LEU:HD23	7	0.15
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD21	7	0.15
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD22	7	0.15
(1,640)	1:35:A:VAL:HG23	1:66:A:LEU:HD23	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG11	12	0.15
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG12	12	0.15
(1,614)	1:42:A:VAL:H	1:42:A:VAL:HG13	12	0.15
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG21	1	0.15
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG22	1	0.15
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG23	1	0.15
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG21	1	0.15
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG22	1	0.15
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG23	1	0.15
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG21	1	0.15
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG22	1	0.15
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG23	1	0.15
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG21	4	0.15
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG22	4	0.15
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG23	4	0.15
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG21	4	0.15
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG22	4	0.15
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG23	4	0.15
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG21	4	0.15
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG22	4	0.15
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG23	4	0.15
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG21	13	0.15
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG22	13	0.15
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG23	13	0.15
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG21	13	0.15
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG22	13	0.15
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG23	13	0.15
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG21	13	0.15
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG22	13	0.15
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG23	13	0.15
(1,437)	1:63:A:VAL:HG21	1:64:A:LYS:HG2	18	0.15
(1,437)	1:63:A:VAL:HG22	1:64:A:LYS:HG2	18	0.15
(1,437)	1:63:A:VAL:HG23	1:64:A:LYS:HG2	18	0.15
(1,390)	1:102:A:ARG:H	1:102:A:ARG:HG2	19	0.15
(1,362)	1:91:A:PHE:HE2	1:110:A:PRO:HG3	10	0.15
(1,359)	1:49:A:THR:HA	1:53:A:GLU:H	17	0.15
(1,329)	1:23:A:ARG:HG2	1:41:A:SER:HB2	2	0.15
(1,303)	1:17:A:GLN:HB2	1:17:A:GLN:HE22	7	0.15
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD2	6	0.15
(1,287)	1:60:A:GLU:HG3	1:64:A:LYS:HD3	6	0.15
(1,261)	1:50:A:GLU:HA	1:53:A:GLU:HB3	2	0.15
(1,261)	1:50:A:GLU:HA	1:53:A:GLU:HB3	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	1	0.15
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD11	14	0.15
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD12	14	0.15
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD13	14	0.15
(1,103)	1:91:A:PHE:HD1	1:97:A:GLU:HG2	1	0.15
(1,84)	1:7:A:THR:HA	1:8:A:PHE:HB2	4	0.15
(1,38)	1:39:A:LYS:HA	1:39:A:LYS:HE2	12	0.15
(1,38)	1:39:A:LYS:HA	1:39:A:LYS:HE3	12	0.15
(1,34)	1:34:A:LYS:HG2	1:34:A:LYS:HE2	3	0.15
(1,34)	1:34:A:LYS:HG2	1:34:A:LYS:HE3	3	0.15
(1,1727)	1:62:A:VAL:HG11	1:83:A:TRP:HZ3	15	0.14
(1,1727)	1:62:A:VAL:HG12	1:83:A:TRP:HZ3	15	0.14
(1,1727)	1:62:A:VAL:HG13	1:83:A:TRP:HZ3	15	0.14
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	2	0.14
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	4	0.14
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD1	5	0.14
(1,1664)	1:6:A:VAL:HG11	1:8:A:PHE:HD2	5	0.14
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD1	5	0.14
(1,1664)	1:6:A:VAL:HG12	1:8:A:PHE:HD2	5	0.14
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD1	5	0.14
(1,1664)	1:6:A:VAL:HG13	1:8:A:PHE:HD2	5	0.14
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD1	5	0.14
(1,1664)	1:6:A:VAL:HG21	1:8:A:PHE:HD2	5	0.14
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD1	5	0.14
(1,1664)	1:6:A:VAL:HG22	1:8:A:PHE:HD2	5	0.14
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD1	5	0.14
(1,1664)	1:6:A:VAL:HG23	1:8:A:PHE:HD2	5	0.14
(1,1645)	1:89:A:TYR:HD2	1:91:A:PHE:HE2	9	0.14
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD1	18	0.14
(1,1630)	1:19:A:TYR:H	1:19:A:TYR:HD2	18	0.14
(1,1615)	1:43:A:TYR:HD1	1:58:A:VAL:HG21	4	0.14
(1,1615)	1:43:A:TYR:HD1	1:58:A:VAL:HG22	4	0.14
(1,1615)	1:43:A:TYR:HD1	1:58:A:VAL:HG23	4	0.14
(1,1615)	1:43:A:TYR:HD2	1:58:A:VAL:HG21	4	0.14
(1,1615)	1:43:A:TYR:HD2	1:58:A:VAL:HG22	4	0.14
(1,1615)	1:43:A:TYR:HD2	1:58:A:VAL:HG23	4	0.14
(1,1306)	1:70:A:SER:HB2	1:73:A:LEU:H	15	0.14
(1,1306)	1:70:A:SER:HB3	1:73:A:LEU:H	15	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	1	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	1	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	1	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	3	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	3	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	5	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	5	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	5	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	8	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	8	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	8	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	9	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	9	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	9	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	11	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	11	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	11	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	14	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	14	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	14	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	15	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	15	0.14
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	15	0.14
(1,1177)	1:28:A:LEU:HD11	1:107:A:PHE:H	8	0.14
(1,1177)	1:28:A:LEU:HD12	1:107:A:PHE:H	8	0.14
(1,1177)	1:28:A:LEU:HD13	1:107:A:PHE:H	8	0.14
(1,1177)	1:28:A:LEU:HD21	1:107:A:PHE:H	8	0.14
(1,1177)	1:28:A:LEU:HD22	1:107:A:PHE:H	8	0.14
(1,1177)	1:28:A:LEU:HD23	1:107:A:PHE:H	8	0.14
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG11	12	0.14
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG12	12	0.14
(1,1164)	1:82:A:GLU:H	1:85:A:VAL:HG13	12	0.14
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	11	0.14
(1,1059)	1:94:A:ALA:H	1:95:A:GLY:HA3	7	0.14
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	12	0.14
(1,892)	1:83:A:TRP:H	1:86:A:ALA:H	10	0.14
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD11	3	0.14
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD12	3	0.14
(1,745)	1:69:A:VAL:HG21	1:73:A:LEU:HD13	3	0.14
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD11	3	0.14
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD12	3	0.14
(1,745)	1:69:A:VAL:HG22	1:73:A:LEU:HD13	3	0.14
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD11	3	0.14
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD12	3	0.14
(1,745)	1:69:A:VAL:HG23	1:73:A:LEU:HD13	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	10	0.14
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	10	0.14
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	10	0.14
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG21	16	0.14
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG22	16	0.14
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG23	16	0.14
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG21	16	0.14
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG22	16	0.14
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG23	16	0.14
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG21	16	0.14
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG22	16	0.14
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG23	16	0.14
(1,499)	1:80:A:LEU:HD21	1:83:A:TRP:HE1	12	0.14
(1,499)	1:80:A:LEU:HD22	1:83:A:TRP:HE1	12	0.14
(1,499)	1:80:A:LEU:HD23	1:83:A:TRP:HE1	12	0.14
(1,430)	1:34:A:LYS:HG3	1:38:A:GLU:HG2	15	0.14
(1,375)	1:56:A:CYS:HB3	1:57:A:VAL:HB	20	0.14
(1,368)	1:55:A:ALA:HA	1:90:A:LEU:HD11	9	0.14
(1,368)	1:55:A:ALA:HA	1:90:A:LEU:HD12	9	0.14
(1,368)	1:55:A:ALA:HA	1:90:A:LEU:HD13	9	0.14
(1,354)	1:2:A:PRO:HA	1:3:A:ILE:HG12	16	0.14
(1,291)	1:62:A:VAL:H	1:64:A:LYS:HD2	11	0.14
(1,291)	1:62:A:VAL:H	1:64:A:LYS:HD3	11	0.14
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	10	0.14
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	10	0.14
(1,218)	1:33:A:ASP:HB3	1:34:A:LYS:HB3	18	0.14
(1,207)	1:6:A:VAL:HB	1:7:A:THR:H	6	0.14
(1,207)	1:6:A:VAL:HB	1:7:A:THR:H	18	0.14
(1,202)	1:4:A:LYS:HB3	1:5:A:GLY:H	3	0.14
(1,194)	1:11:A:ASP:HA	1:12:A:THR:HB	15	0.14
(1,194)	1:11:A:ASP:HA	1:12:A:THR:HB	20	0.14
(1,138)	1:38:A:GLU:HA	1:38:A:GLU:HG2	10	0.14
(1,104)	1:97:A:GLU:H	1:97:A:GLU:HG2	16	0.14
(1,104)	1:97:A:GLU:H	1:97:A:GLU:HG2	19	0.14
(1,84)	1:7:A:THR:HA	1:8:A:PHE:HB2	16	0.14
(1,80)	1:10:A:GLU:H	1:11:A:ASP:HB3	2	0.14
(1,60)	1:14:A:TRP:HE3	1:20:A:LYS:HE2	10	0.14
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB2	20	0.14
(1,56)	1:20:A:LYS:HE3	1:47:A:SER:HB3	20	0.14
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	5	0.14
(1,1754)	1:108:A:TYR:H	1:108:A:TYR:HE1	8	0.13
(1,1754)	1:108:A:TYR:H	1:108:A:TYR:HE2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	18	0.13
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	3	0.13
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	3	0.13
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	3	0.13
(1,1681)	1:51:A:VAL:HB	1:99:A:PHE:HD1	2	0.13
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE1	7	0.13
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE2	7	0.13
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE1	13	0.13
(1,1671)	1:8:A:PHE:H	1:8:A:PHE:HE2	13	0.13
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	16	0.13
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	16	0.13
(1,1646)	1:91:A:PHE:HD1	1:104:A:TYR:HD2	7	0.13
(1,1646)	1:91:A:PHE:HD2	1:104:A:TYR:HD2	19	0.13
(1,1538)	1:63:A:VAL:HG21	1:67:A:GLN:HE21	14	0.13
(1,1538)	1:63:A:VAL:HG22	1:67:A:GLN:HE21	14	0.13
(1,1538)	1:63:A:VAL:HG23	1:67:A:GLN:HE21	14	0.13
(1,1500)	1:91:A:PHE:H	1:91:A:PHE:HD2	3	0.13
(1,1500)	1:91:A:PHE:H	1:91:A:PHE:HD2	10	0.13
(1,1416)	1:73:A:LEU:HD11	1:76:A:MET:H	18	0.13
(1,1416)	1:73:A:LEU:HD12	1:76:A:MET:H	18	0.13
(1,1416)	1:73:A:LEU:HD13	1:76:A:MET:H	18	0.13
(1,1370)	1:35:A:VAL:HG11	1:40:A:CYS:H	16	0.13
(1,1370)	1:35:A:VAL:HG12	1:40:A:CYS:H	16	0.13
(1,1370)	1:35:A:VAL:HG13	1:40:A:CYS:H	16	0.13
(1,1359)	1:104:A:TYR:HB2	1:105:A:CYS:H	6	0.13
(1,1359)	1:104:A:TYR:HB2	1:105:A:CYS:H	16	0.13
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	15	0.13
(1,1354)	1:99:A:PHE:H	1:99:A:PHE:HB2	19	0.13
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	13	0.13
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	17	0.13
(1,1309)	1:73:A:LEU:H	1:73:A:LEU:HG	16	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	4	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	4	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	4	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	6	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	6	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	6	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	7	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	7	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	7	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	10	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	10	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	12	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	12	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	12	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	13	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	13	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	13	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	16	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	16	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	16	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	17	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	17	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	17	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	18	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	18	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	18	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG11	20	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG12	20	0.13
(1,1304)	1:35:A:VAL:H	1:35:A:VAL:HG13	20	0.13
(1,1249)	1:34:A:LYS:HB3	1:36:A:LEU:H	11	0.13
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	20	0.13
(1,1197)	1:57:A:VAL:HG21	1:59:A:ALA:H	16	0.13
(1,1197)	1:57:A:VAL:HG22	1:59:A:ALA:H	16	0.13
(1,1197)	1:57:A:VAL:HG23	1:59:A:ALA:H	16	0.13
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD11	14	0.13
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD12	14	0.13
(1,1099)	1:55:A:ALA:H	1:90:A:LEU:HD13	14	0.13
(1,1059)	1:94:A:ALA:H	1:95:A:GLY:HA3	11	0.13
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	18	0.13
(1,892)	1:83:A:TRP:H	1:86:A:ALA:H	3	0.13
(1,892)	1:83:A:TRP:H	1:86:A:ALA:H	11	0.13
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG21	4	0.13
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG22	4	0.13
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG23	4	0.13
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG21	4	0.13
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG22	4	0.13
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG23	4	0.13
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG21	4	0.13
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG22	4	0.13
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG23	4	0.13
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG21	17	0.13
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG22	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG23	17	0.13
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG21	17	0.13
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG22	17	0.13
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG23	17	0.13
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG21	17	0.13
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG22	17	0.13
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG23	17	0.13
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	6	0.13
(1,623)	1:42:A:VAL:HG21	1:43:A:TYR:H	9	0.13
(1,623)	1:42:A:VAL:HG22	1:43:A:TYR:H	9	0.13
(1,623)	1:42:A:VAL:HG23	1:43:A:TYR:H	9	0.13
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG21	19	0.13
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG22	19	0.13
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG23	19	0.13
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG21	19	0.13
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG22	19	0.13
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG23	19	0.13
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG21	19	0.13
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG22	19	0.13
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG23	19	0.13
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG21	20	0.13
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG22	20	0.13
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG23	20	0.13
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG21	20	0.13
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG22	20	0.13
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG23	20	0.13
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG21	20	0.13
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG22	20	0.13
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG23	20	0.13
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	8	0.13
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	8	0.13
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	8	0.13
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	15	0.13
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	15	0.13
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	15	0.13
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG21	2	0.13
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG22	2	0.13
(1,564)	1:44:A:THR:HG21	1:45:A:VAL:HG23	2	0.13
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG21	2	0.13
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG22	2	0.13
(1,564)	1:44:A:THR:HG22	1:45:A:VAL:HG23	2	0.13
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG21	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG22	2	0.13
(1,564)	1:44:A:THR:HG23	1:45:A:VAL:HG23	2	0.13
(1,510)	1:73:A:LEU:HD11	1:78:A:ILE:H	1	0.13
(1,510)	1:73:A:LEU:HD12	1:78:A:ILE:H	1	0.13
(1,510)	1:73:A:LEU:HD13	1:78:A:ILE:H	1	0.13
(1,431)	1:63:A:VAL:HG21	1:64:A:LYS:HG3	5	0.13
(1,431)	1:63:A:VAL:HG22	1:64:A:LYS:HG3	5	0.13
(1,431)	1:63:A:VAL:HG23	1:64:A:LYS:HG3	5	0.13
(1,430)	1:34:A:LYS:HG3	1:38:A:GLU:HG2	20	0.13
(1,390)	1:102:A:ARG:H	1:102:A:ARG:HG2	1	0.13
(1,373)	1:87:A:THR:HA	1:107:A:PHE:HE1	12	0.13
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD11	16	0.13
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD12	16	0.13
(1,364)	1:63:A:VAL:H	1:66:A:LEU:HD13	16	0.13
(1,322)	1:51:A:VAL:HB	1:97:A:GLU:HB3	11	0.13
(1,322)	1:51:A:VAL:HB	1:97:A:GLU:HB3	19	0.13
(1,272)	1:91:A:PHE:HD1	1:106:A:SER:HB2	15	0.13
(1,261)	1:50:A:GLU:HA	1:53:A:GLU:HB3	12	0.13
(1,229)	1:112:A:GLU:H	1:112:A:GLU:HB3	1	0.13
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	6	0.13
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	6	0.13
(1,218)	1:33:A:ASP:HB3	1:34:A:LYS:HB3	10	0.13
(1,209)	1:87:A:THR:HB	1:89:A:TYR:H	6	0.13
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	3	0.13
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	3	0.13
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	3	0.13
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG21	12	0.13
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG22	12	0.13
(1,208)	1:6:A:VAL:HB	1:7:A:THR:HG23	12	0.13
(1,204)	1:4:A:LYS:HB2	1:5:A:GLY:H	11	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	2	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	2	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	3	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	3	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	4	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	4	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	6	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	6	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	8	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	8	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	9	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	12	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	12	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	13	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	13	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	16	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	16	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	19	0.13
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	19	0.13
(1,142)	1:10:A:GLU:HG2	1:11:A:ASP:H	10	0.13
(1,142)	1:10:A:GLU:HG3	1:11:A:ASP:H	10	0.13
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE2	4	0.13
(1,120)	1:60:A:GLU:HG2	1:64:A:LYS:HE3	4	0.13
(1,99)	1:74:A:THR:HG21	1:75:A:ASN:HB2	6	0.13
(1,99)	1:74:A:THR:HG21	1:75:A:ASN:HB3	6	0.13
(1,99)	1:74:A:THR:HG22	1:75:A:ASN:HB2	6	0.13
(1,99)	1:74:A:THR:HG22	1:75:A:ASN:HB3	6	0.13
(1,99)	1:74:A:THR:HG23	1:75:A:ASN:HB2	6	0.13
(1,99)	1:74:A:THR:HG23	1:75:A:ASN:HB3	6	0.13
(1,84)	1:7:A:THR:HA	1:8:A:PHE:HB2	7	0.13
(1,84)	1:7:A:THR:HA	1:8:A:PHE:HB2	12	0.13
(1,84)	1:7:A:THR:HA	1:8:A:PHE:HB2	13	0.13
(1,55)	1:19:A:TYR:HA	1:20:A:LYS:HE3	6	0.13
(1,1771)	1:89:A:TYR:HE1	1:108:A:TYR:H	12	0.12
(1,1771)	1:89:A:TYR:HE2	1:108:A:TYR:H	12	0.12
(1,1702)	1:51:A:VAL:HA	1:54:A:PHE:HZ	9	0.12
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	5	0.12
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	5	0.12
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	11	0.12
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	11	0.12
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD1	2	0.12
(1,1606)	1:107:A:PHE:HB3	1:108:A:TYR:HD2	2	0.12
(1,1504)	1:51:A:VAL:HG11	1:91:A:PHE:H	5	0.12
(1,1504)	1:51:A:VAL:HG12	1:91:A:PHE:H	5	0.12
(1,1504)	1:51:A:VAL:HG13	1:91:A:PHE:H	5	0.12
(1,1471)	1:96:A:GLU:HA	1:98:A:ASN:HD22	4	0.12
(1,1407)	1:70:A:SER:H	1:71:A:ASP:HB3	18	0.12
(1,1366)	1:40:A:CYS:H	1:41:A:SER:HB2	7	0.12
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	3	0.12
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	8	0.12
(1,1059)	1:94:A:ALA:H	1:95:A:GLY:HA3	4	0.12
(1,1056)	1:91:A:PHE:HD1	1:94:A:ALA:H	5	0.12
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG21	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG22	12	0.12
(1,993)	1:22:A:VAL:H	1:42:A:VAL:HG23	12	0.12
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG21	3	0.12
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG22	3	0.12
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG23	3	0.12
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG21	17	0.12
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG22	17	0.12
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG23	17	0.12
(1,894)	1:82:A:GLU:HB2	1:86:A:ALA:H	12	0.12
(1,894)	1:82:A:GLU:HB3	1:86:A:ALA:H	12	0.12
(1,894)	1:82:A:GLU:HB2	1:86:A:ALA:H	13	0.12
(1,894)	1:82:A:GLU:HB3	1:86:A:ALA:H	13	0.12
(1,892)	1:83:A:TRP:H	1:86:A:ALA:H	16	0.12
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	8	0.12
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	8	0.12
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	8	0.12
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB1	19	0.12
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB2	19	0.12
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB3	19	0.12
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB1	19	0.12
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB2	19	0.12
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB3	19	0.12
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB1	19	0.12
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB2	19	0.12
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB3	19	0.12
(1,765)	1:55:A:ALA:HB1	1:59:A:ALA:H	19	0.12
(1,765)	1:55:A:ALA:HB2	1:59:A:ALA:H	19	0.12
(1,765)	1:55:A:ALA:HB3	1:59:A:ALA:H	19	0.12
(1,721)	1:94:A:ALA:HB1	1:98:A:ASN:HD22	13	0.12
(1,721)	1:94:A:ALA:HB2	1:98:A:ASN:HD22	13	0.12
(1,721)	1:94:A:ALA:HB3	1:98:A:ASN:HD22	13	0.12
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	1	0.12
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	2	0.12
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	3	0.12
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	12	0.12
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	14	0.12
(1,661)	1:45:A:VAL:HG11	1:47:A:SER:H	17	0.12
(1,661)	1:45:A:VAL:HG12	1:47:A:SER:H	17	0.12
(1,661)	1:45:A:VAL:HG13	1:47:A:SER:H	17	0.12
(1,657)	1:22:A:VAL:HG11	1:103:A:MET:HA	7	0.12
(1,657)	1:22:A:VAL:HG12	1:103:A:MET:HA	7	0.12
(1,657)	1:22:A:VAL:HG13	1:103:A:MET:HA	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,652)	1:22:A:VAL:HG11	1:103:A:MET:H	9	0.12
(1,652)	1:22:A:VAL:HG12	1:103:A:MET:H	9	0.12
(1,652)	1:22:A:VAL:HG13	1:103:A:MET:H	9	0.12
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD1	16	0.12
(1,589)	1:25:A:THR:HG21	1:104:A:TYR:HD2	16	0.12
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD1	16	0.12
(1,589)	1:25:A:THR:HG22	1:104:A:TYR:HD2	16	0.12
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD1	16	0.12
(1,589)	1:25:A:THR:HG23	1:104:A:TYR:HD2	16	0.12
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG21	13	0.12
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG22	13	0.12
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG23	13	0.12
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG21	13	0.12
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG22	13	0.12
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG23	13	0.12
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG21	13	0.12
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG22	13	0.12
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG23	13	0.12
(1,568)	1:50:A:GLU:H	1:51:A:VAL:HG21	14	0.12
(1,568)	1:50:A:GLU:H	1:51:A:VAL:HG22	14	0.12
(1,568)	1:50:A:GLU:H	1:51:A:VAL:HG23	14	0.12
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG11	18	0.12
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG12	18	0.12
(1,525)	1:62:A:VAL:H	1:63:A:VAL:HG13	18	0.12
(1,425)	1:35:A:VAL:HG21	1:39:A:LYS:HG2	16	0.12
(1,425)	1:35:A:VAL:HG21	1:39:A:LYS:HG3	16	0.12
(1,425)	1:35:A:VAL:HG22	1:39:A:LYS:HG2	16	0.12
(1,425)	1:35:A:VAL:HG22	1:39:A:LYS:HG3	16	0.12
(1,425)	1:35:A:VAL:HG23	1:39:A:LYS:HG2	16	0.12
(1,425)	1:35:A:VAL:HG23	1:39:A:LYS:HG3	16	0.12
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	10	0.12
(1,423)	1:63:A:VAL:H	1:64:A:LYS:HG3	16	0.12
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD21	7	0.12
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD22	7	0.12
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD23	7	0.12
(1,362)	1:91:A:PHE:HE2	1:110:A:PRO:HG3	18	0.12
(1,261)	1:50:A:GLU:HA	1:53:A:GLU:HB3	5	0.12
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG11	13	0.12
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG12	13	0.12
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG13	13	0.12
(1,223)	1:96:A:GLU:HB3	1:98:A:ASN:HB2	19	0.12
(1,218)	1:33:A:ASP:HB3	1:34:A:LYS:HB3	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:6:A:VAL:HB	1:7:A:THR:H	14	0.12
(1,207)	1:6:A:VAL:HB	1:7:A:THR:H	17	0.12
(1,207)	1:6:A:VAL:HB	1:7:A:THR:H	20	0.12
(1,202)	1:4:A:LYS:HB3	1:5:A:GLY:H	2	0.12
(1,202)	1:4:A:LYS:HB3	1:5:A:GLY:H	19	0.12
(1,199)	1:41:A:SER:HA	1:42:A:VAL:HB	8	0.12
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	5	0.12
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	5	0.12
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	14	0.12
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	14	0.12
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD11	12	0.12
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD12	12	0.12
(1,176)	1:67:A:GLN:HG3	1:80:A:LEU:HD13	12	0.12
(1,104)	1:97:A:GLU:H	1:97:A:GLU:HG2	18	0.12
(1,86)	1:8:A:PHE:H	1:8:A:PHE:HB3	11	0.12
(1,84)	1:7:A:THR:HA	1:8:A:PHE:HB2	1	0.12
(1,84)	1:7:A:THR:HA	1:8:A:PHE:HB2	8	0.12
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	6	0.11
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	6	0.11
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	6	0.11
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	13	0.11
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	13	0.11
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	13	0.11
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	18	0.11
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	18	0.11
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	18	0.11
(1,1696)	1:51:A:VAL:H	1:54:A:PHE:HZ	12	0.11
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE1	11	0.11
(1,1662)	1:28:A:LEU:HG	1:88:A:PHE:HE2	11	0.11
(1,1549)	1:5:A:GLY:H	1:6:A:VAL:H	3	0.11
(1,1549)	1:5:A:GLY:H	1:6:A:VAL:H	9	0.11
(1,1366)	1:40:A:CYS:H	1:41:A:SER:HB2	10	0.11
(1,1348)	1:42:A:VAL:HG11	1:44:A:THR:H	18	0.11
(1,1348)	1:42:A:VAL:HG12	1:44:A:THR:H	18	0.11
(1,1348)	1:42:A:VAL:HG13	1:44:A:THR:H	18	0.11
(1,1320)	1:19:A:TYR:H	1:19:A:TYR:HB3	2	0.11
(1,1221)	1:91:A:PHE:HE2	1:111:A:ASP:H	18	0.11
(1,1144)	1:15:A:GLU:HA	1:16:A:VAL:H	7	0.11
(1,1109)	1:64:A:LYS:HA	1:67:A:GLN:H	3	0.11
(1,1091)	1:71:A:ASP:HB3	1:72:A:LEU:H	9	0.11
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	16	0.11
(1,1059)	1:94:A:ALA:H	1:95:A:GLY:HA3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:91:A:PHE:HD1	1:94:A:ALA:H	4	0.11
(1,1056)	1:91:A:PHE:HD1	1:94:A:ALA:H	7	0.11
(1,1056)	1:91:A:PHE:HD1	1:94:A:ALA:H	10	0.11
(1,1056)	1:91:A:PHE:HD1	1:94:A:ALA:H	18	0.11
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	6	0.11
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	13	0.11
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	15	0.11
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	16	0.11
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	20	0.11
(1,892)	1:83:A:TRP:H	1:86:A:ALA:H	4	0.11
(1,892)	1:83:A:TRP:H	1:86:A:ALA:H	5	0.11
(1,892)	1:83:A:TRP:H	1:86:A:ALA:H	8	0.11
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE1	20	0.11
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE2	20	0.11
(1,788)	1:31:A:ARG:H	1:76:A:MET:HE3	20	0.11
(1,697)	1:25:A:THR:HG21	1:104:A:TYR:HA	11	0.11
(1,697)	1:25:A:THR:HG22	1:104:A:TYR:HA	11	0.11
(1,697)	1:25:A:THR:HG23	1:104:A:TYR:HA	11	0.11
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	11	0.11
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	18	0.11
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	1	0.11
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	5	0.11
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	8	0.11
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	11	0.11
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	13	0.11
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	15	0.11
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	17	0.11
(1,643)	1:14:A:TRP:HA	1:15:A:GLU:HG2	10	0.11
(1,643)	1:14:A:TRP:HA	1:15:A:GLU:HG3	10	0.11
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	4	0.11
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	4	0.11
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	4	0.11
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG11	11	0.11
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG12	11	0.11
(1,612)	1:24:A:ILE:H	1:42:A:VAL:HG13	11	0.11
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG21	10	0.11
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG22	10	0.11
(1,611)	1:6:A:VAL:HG11	1:7:A:THR:HG23	10	0.11
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG21	10	0.11
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG22	10	0.11
(1,611)	1:6:A:VAL:HG12	1:7:A:THR:HG23	10	0.11
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG21	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG22	10	0.11
(1,611)	1:6:A:VAL:HG13	1:7:A:THR:HG23	10	0.11
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG21	10	0.11
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG22	10	0.11
(1,611)	1:6:A:VAL:HG21	1:7:A:THR:HG23	10	0.11
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG21	10	0.11
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG22	10	0.11
(1,611)	1:6:A:VAL:HG22	1:7:A:THR:HG23	10	0.11
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG21	10	0.11
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG22	10	0.11
(1,611)	1:6:A:VAL:HG23	1:7:A:THR:HG23	10	0.11
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG21	7	0.11
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG22	7	0.11
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG23	7	0.11
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG21	7	0.11
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG22	7	0.11
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG23	7	0.11
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG21	7	0.11
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG22	7	0.11
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG23	7	0.11
(1,491)	1:72:A:LEU:HA	1:72:A:LEU:HD21	8	0.11
(1,491)	1:72:A:LEU:HA	1:72:A:LEU:HD22	8	0.11
(1,491)	1:72:A:LEU:HA	1:72:A:LEU:HD23	8	0.11
(1,491)	1:72:A:LEU:HA	1:72:A:LEU:HD21	11	0.11
(1,491)	1:72:A:LEU:HA	1:72:A:LEU:HD22	11	0.11
(1,491)	1:72:A:LEU:HA	1:72:A:LEU:HD23	11	0.11
(1,430)	1:34:A:LYS:HG3	1:38:A:GLU:HG2	12	0.11
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD21	6	0.11
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD22	6	0.11
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD23	6	0.11
(1,388)	1:78:A:ILE:HG21	1:80:A:LEU:HG	12	0.11
(1,388)	1:78:A:ILE:HG22	1:80:A:LEU:HG	12	0.11
(1,388)	1:78:A:ILE:HG23	1:80:A:LEU:HG	12	0.11
(1,368)	1:55:A:ALA:HA	1:90:A:LEU:HD11	19	0.11
(1,368)	1:55:A:ALA:HA	1:90:A:LEU:HD12	19	0.11
(1,368)	1:55:A:ALA:HA	1:90:A:LEU:HD13	19	0.11
(1,354)	1:2:A:PRO:HA	1:3:A:ILE:HG12	8	0.11
(1,350)	1:91:A:PHE:HE2	1:110:A:PRO:HG2	10	0.11
(1,295)	1:4:A:LYS:HA	1:4:A:LYS:HD2	15	0.11
(1,295)	1:4:A:LYS:HA	1:4:A:LYS:HD3	15	0.11
(1,291)	1:62:A:VAL:H	1:64:A:LYS:HD2	6	0.11
(1,291)	1:62:A:VAL:H	1:64:A:LYS:HD3	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,272)	1:91:A:PHE:HD1	1:106:A:SER:HB2	1	0.11
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG11	15	0.11
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG12	15	0.11
(1,271)	1:60:A:GLU:HB2	1:63:A:VAL:HG13	15	0.11
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG11	15	0.11
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG12	15	0.11
(1,271)	1:60:A:GLU:HB3	1:63:A:VAL:HG13	15	0.11
(1,261)	1:50:A:GLU:HA	1:53:A:GLU:HB3	8	0.11
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG11	6	0.11
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG12	6	0.11
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG13	6	0.11
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG11	16	0.11
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG12	16	0.11
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG13	16	0.11
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	9	0.11
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	15	0.11
(1,230)	1:111:A:ASP:HA	1:112:A:GLU:HB3	17	0.11
(1,229)	1:112:A:GLU:H	1:112:A:GLU:HB3	7	0.11
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	9	0.11
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	9	0.11
(1,209)	1:87:A:THR:HB	1:89:A:TYR:H	16	0.11
(1,200)	1:3:A:ILE:HA	1:4:A:LYS:HB3	5	0.11
(1,194)	1:11:A:ASP:HA	1:12:A:THR:HB	17	0.11
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	3	0.11
(1,190)	1:21:A:ASN:HA	1:44:A:THR:HB	10	0.11
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG2	17	0.11
(1,181)	1:17:A:GLN:H	1:17:A:GLN:HG3	17	0.11
(1,84)	1:7:A:THR:HA	1:8:A:PHE:HB2	14	0.11
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG2	4	0.11
(1,72)	1:111:A:ASP:HB3	1:112:A:GLU:HG3	4	0.11
(1,64)	1:80:A:LEU:HB2	1:81:A:ASP:HB2	17	0.11
(1,49)	1:97:A:GLU:H	1:98:A:ASN:HB2	19	0.11
(1,42)	1:61:A:ALA:HA	1:64:A:LYS:HE2	2	0.11
(1,42)	1:61:A:ALA:HA	1:64:A:LYS:HE3	2	0.11
(1,19)	1:23:A:ARG:H	1:23:A:ARG:HD2	8	0.11
(1,19)	1:23:A:ARG:H	1:23:A:ARG:HD2	18	0.11
(1,1720)	1:82:A:GLU:HA	1:83:A:TRP:HD1	11	0.1
(1,1720)	1:82:A:GLU:HA	1:83:A:TRP:HD1	12	0.1
(1,1699)	1:51:A:VAL:HG11	1:54:A:PHE:HZ	16	0.1
(1,1699)	1:51:A:VAL:HG12	1:54:A:PHE:HZ	16	0.1
(1,1699)	1:51:A:VAL:HG13	1:54:A:PHE:HZ	16	0.1
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD1	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1650)	1:8:A:PHE:HA	1:8:A:PHE:HD2	10	0.1
(1,1421)	1:37:A:ASN:H	1:37:A:ASN:HD22	13	0.1
(1,1421)	1:37:A:ASN:H	1:37:A:ASN:HD22	18	0.1
(1,1388)	1:62:A:VAL:HB	1:63:A:VAL:H	15	0.1
(1,1088)	1:69:A:VAL:HA	1:72:A:LEU:H	18	0.1
(1,1056)	1:91:A:PHE:HD1	1:94:A:ALA:H	3	0.1
(1,1056)	1:91:A:PHE:HD1	1:94:A:ALA:H	8	0.1
(1,1051)	1:57:A:VAL:HB	1:58:A:VAL:H	11	0.1
(1,1051)	1:57:A:VAL:HB	1:58:A:VAL:H	14	0.1
(1,975)	1:62:A:VAL:H	1:62:A:VAL:HB	7	0.1
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG21	8	0.1
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG22	8	0.1
(1,927)	1:23:A:ARG:H	1:42:A:VAL:HG23	8	0.1
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE1	20	0.1
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE2	20	0.1
(1,789)	1:31:A:ARG:HE	1:76:A:MET:HE3	20	0.1
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB1	14	0.1
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB2	14	0.1
(1,770)	1:51:A:VAL:HG11	1:55:A:ALA:HB3	14	0.1
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB1	14	0.1
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB2	14	0.1
(1,770)	1:51:A:VAL:HG12	1:55:A:ALA:HB3	14	0.1
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB1	14	0.1
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB2	14	0.1
(1,770)	1:51:A:VAL:HG13	1:55:A:ALA:HB3	14	0.1
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG21	1	0.1
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG22	1	0.1
(1,711)	1:32:A:VAL:HG11	1:78:A:ILE:HG23	1	0.1
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG21	1	0.1
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG22	1	0.1
(1,711)	1:32:A:VAL:HG12	1:78:A:ILE:HG23	1	0.1
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG21	1	0.1
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG22	1	0.1
(1,711)	1:32:A:VAL:HG13	1:78:A:ILE:HG23	1	0.1
(1,688)	1:17:A:GLN:HA	1:19:A:TYR:H	15	0.1
(1,674)	1:19:A:TYR:HA	1:20:A:LYS:HB3	18	0.1
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG21	8	0.1
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG22	8	0.1
(1,582)	1:74:A:THR:HG21	1:78:A:ILE:HG23	8	0.1
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG21	8	0.1
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG22	8	0.1
(1,582)	1:74:A:THR:HG22	1:78:A:ILE:HG23	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG21	8	0.1
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG22	8	0.1
(1,582)	1:74:A:THR:HG23	1:78:A:ILE:HG23	8	0.1
(1,579)	1:49:A:THR:HG21	1:51:A:VAL:H	5	0.1
(1,579)	1:49:A:THR:HG22	1:51:A:VAL:H	5	0.1
(1,579)	1:49:A:THR:HG23	1:51:A:VAL:H	5	0.1
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD21	8	0.1
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD22	8	0.1
(1,413)	1:67:A:GLN:HB3	1:80:A:LEU:HD23	8	0.1
(1,388)	1:78:A:ILE:HG21	1:80:A:LEU:HG	6	0.1
(1,388)	1:78:A:ILE:HG22	1:80:A:LEU:HG	6	0.1
(1,388)	1:78:A:ILE:HG23	1:80:A:LEU:HG	6	0.1
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB1	15	0.1
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB2	15	0.1
(1,384)	1:56:A:CYS:HB3	1:59:A:ALA:HB3	15	0.1
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG11	7	0.1
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG12	7	0.1
(1,233)	1:50:A:GLU:HB3	1:51:A:VAL:HG13	7	0.1
(1,224)	1:102:A:ARG:HB2	1:103:A:MET:HA	11	0.1
(1,224)	1:102:A:ARG:HB3	1:103:A:MET:HA	11	0.1
(1,218)	1:33:A:ASP:HB3	1:34:A:LYS:HB3	12	0.1
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	14	0.1
(1,151)	1:50:A:GLU:HG2	1:53:A:GLU:H	16	0.1
(1,84)	1:7:A:THR:HA	1:8:A:PHE:HB2	9	0.1
(1,84)	1:7:A:THR:HA	1:8:A:PHE:HB2	19	0.1
(1,64)	1:80:A:LEU:HB2	1:81:A:ASP:HB2	20	0.1
(1,52)	1:51:A:VAL:HG11	1:98:A:ASN:HB3	3	0.1
(1,52)	1:51:A:VAL:HG12	1:98:A:ASN:HB3	3	0.1
(1,52)	1:51:A:VAL:HG13	1:98:A:ASN:HB3	3	0.1

10 Dihedral-angle violation analysis ⓘ

No dihedral-angle restraints found