



Full wwPDB NMR Structure Validation Report ⓘ

Mar 9, 2026 – 11:18 PM UTC

PDB ID : 2MQA / pdb_00002mqa
BMRB ID : 25024
Title : 3D structure of RP domain of MiSp
Authors : Yang, D.; Gao, Z.
Deposited on : 2014-06-16

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

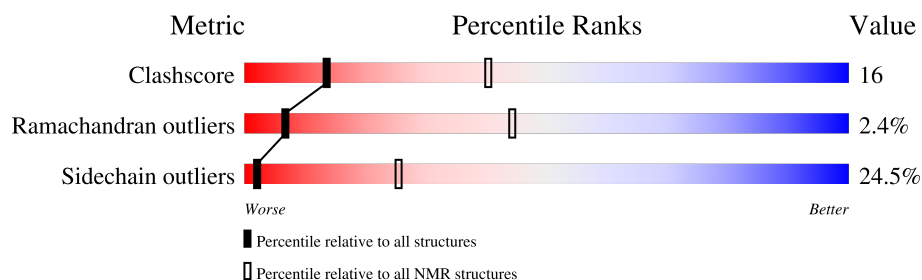
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 37%.

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	148	53% 26% • • 16%

2 Ensemble composition and analysis

This entry contains 10 models. Model 2 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:17-A:109, A:116-A:141 (119)	1.27	2

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

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

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

Cluster number	Models
1	1, 2, 7
2	5, 10
3	6, 9
Single-model clusters	3; 4; 8

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1663 atoms, of which 815 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Minor ampullate fibroin 1.

Mol	Chain	Residues	Atoms						Trace
1	A	125	Total	C	H	N	O	S	0
			1663	514	815	140	192	2	

There are 16 discrepancies between the modelled and reference sequences:

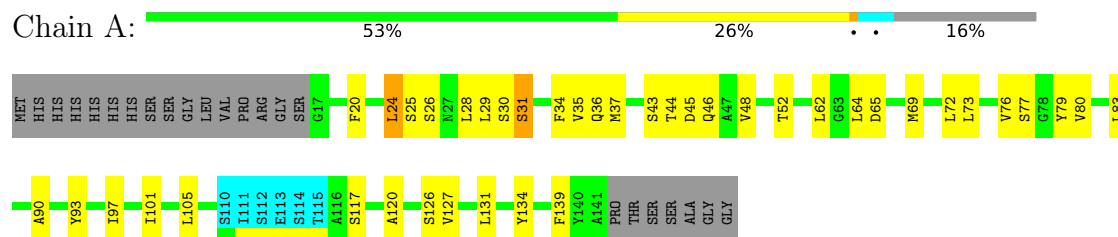
Chain	Residue	Modelled	Actual	Comment	Reference
A	1	MET	-	expression tag	UNP Q2LC34
A	2	HIS	-	expression tag	UNP Q2LC34
A	3	HIS	-	expression tag	UNP Q2LC34
A	4	HIS	-	expression tag	UNP Q2LC34
A	5	HIS	-	expression tag	UNP Q2LC34
A	6	HIS	-	expression tag	UNP Q2LC34
A	7	HIS	-	expression tag	UNP Q2LC34
A	8	SER	-	expression tag	UNP Q2LC34
A	9	SER	-	expression tag	UNP Q2LC34
A	10	GLY	-	expression tag	UNP Q2LC34
A	11	LEU	-	expression tag	UNP Q2LC34
A	12	VAL	-	expression tag	UNP Q2LC34
A	13	PRO	-	expression tag	UNP Q2LC34
A	14	ARG	-	expression tag	UNP Q2LC34
A	15	GLY	-	expression tag	UNP Q2LC34
A	16	SER	-	expression tag	UNP Q2LC34

4 Residue-property plots [i](#)

4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: Minor ampullate fibroin 1

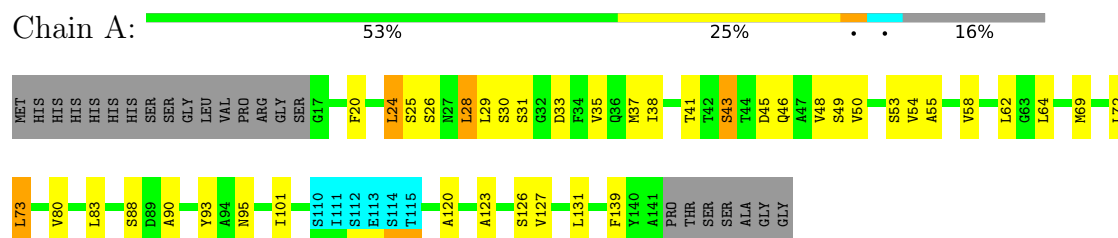


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

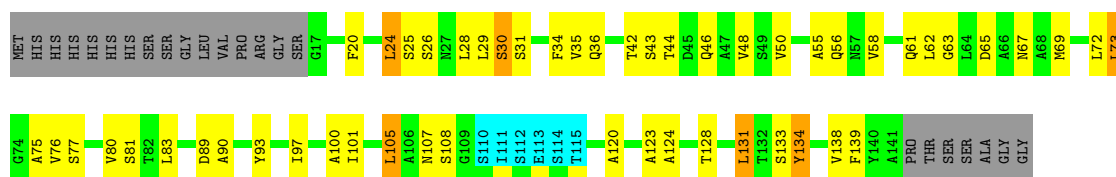
- Molecule 1: Minor ampullate fibroin 1



4.2.2 Score per residue for model 2 (medoid)

- Molecule 1: Minor ampullate fibroin 1

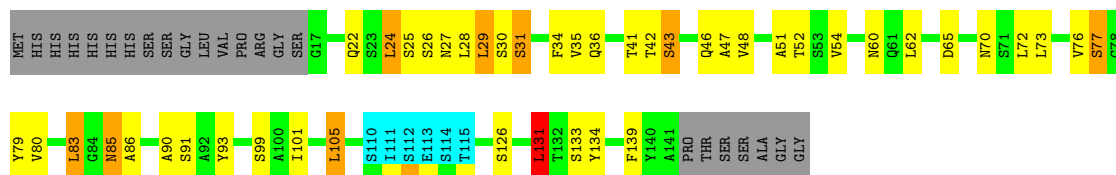




4.2.3 Score per residue for model 3

- Molecule 1: Minor ampullate fibroin 1

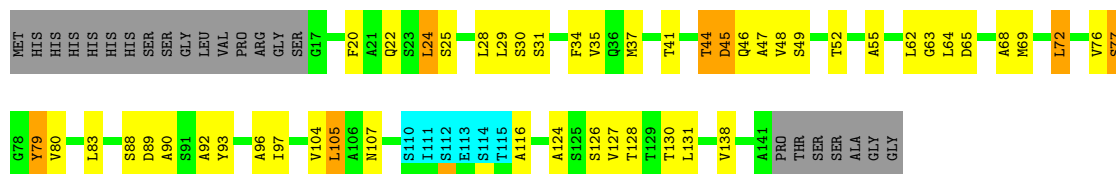
Chain A: 50% 24% 5% • 16%



4.2.4 Score per residue for model 4

- Molecule 1: Minor ampullate fibroin 1

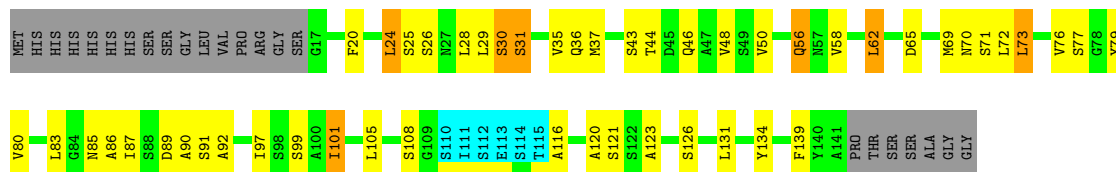
Chain A: 47% 29% 5% • 16%



4.2.5 Score per residue for model 5

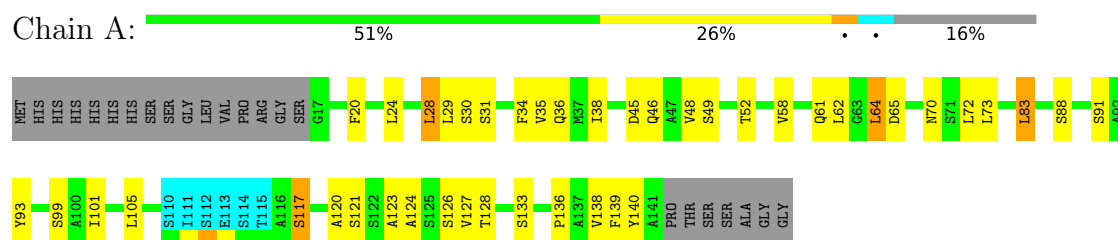
- Molecule 1: Minor ampullate fibroin 1

Chain A: 47% 29% 5% • 16%



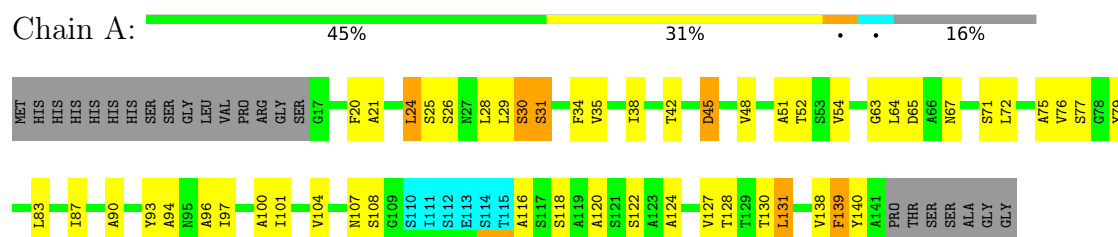
4.2.6 Score per residue for model 6

- Molecule 1: Minor ampullate fibroin 1



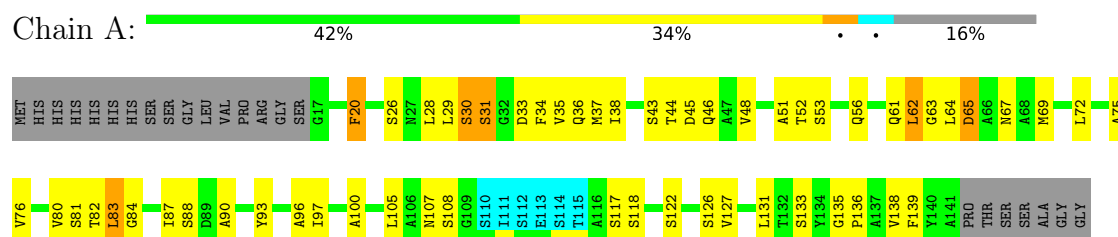
4.2.7 Score per residue for model 7

- Molecule 1: Minor ampullate fibroin 1



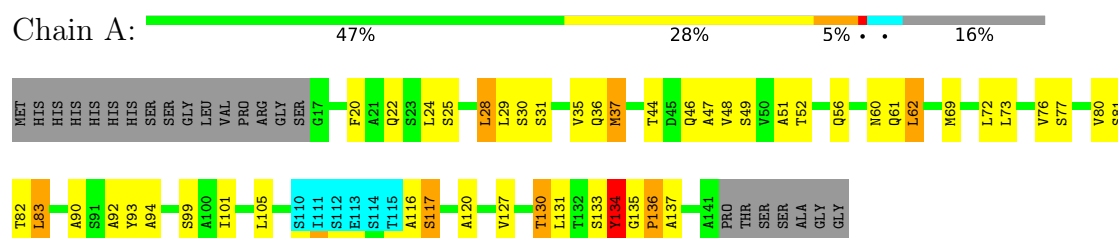
4.2.8 Score per residue for model 8

- Molecule 1: Minor ampullate fibroin 1



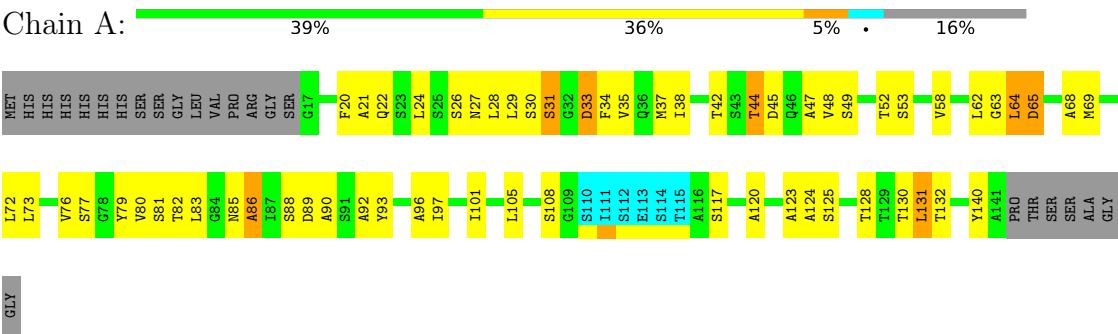
4.2.9 Score per residue for model 9

- Molecule 1: Minor ampullate fibroin 1



4.2.10 Score per residue for model 10

- Molecule 1: Minor ampullate fibroin 1



5 Refinement protocol and experimental data overview

The models were refined using the following method: *distance geometry*.

Of the 100 calculated structures, 10 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
CYANA	structure solution	
CYANA	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	511
Number of shifts mapped to atoms	511
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	37%

6 Model quality

6.1 Standard geometry

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	806	776	775	25±6
All	All	8060	7760	7750	253

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 16.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:28:LEU:HD11	1:A:127:VAL:HG11	0.97	1.35	4	4
1:A:48:VAL:HG12	1:A:80:VAL:HG21	0.94	1.38	8	1
1:A:58:VAL:HG22	1:A:123:ALA:HB1	0.84	1.50	1	2
1:A:62:LEU:HD22	1:A:105:LEU:HD21	0.83	1.49	2	1
1:A:24:LEU:HD13	1:A:120:ALA:HB1	0.79	1.54	5	2
1:A:72:LEU:HD11	1:A:104:VAL:HG11	0.79	1.53	4	1
1:A:48:VAL:HG22	1:A:80:VAL:HG21	0.77	1.55	9	2
1:A:55:ALA:HB3	1:A:73:LEU:HD11	0.70	1.63	1	1
1:A:76:VAL:HG23	1:A:97:ILE:HG22	0.69	1.64	7	2
1:A:20:PHE:CZ	1:A:120:ALA:HB2	0.67	2.23	1	5
1:A:80:VAL:HG23	1:A:83:LEU:HD12	0.66	1.67	3	1
1:A:83:LEU:HD21	1:A:96:ALA:HB2	0.66	1.66	8	1
1:A:127:VAL:HG23	1:A:139:PHE:CE1	0.64	2.27	7	1
1:A:75:ALA:HB1	1:A:100:ALA:HB1	0.64	1.68	7	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:76:VAL:O	1:A:80:VAL:HG13	0.64	1.93	9	4
1:A:75:ALA:CB	1:A:100:ALA:HB1	0.63	2.23	8	3
1:A:52:THR:OG1	1:A:73:LEU:HD23	0.63	1.93	3	1
1:A:124:ALA:O	1:A:128:THR:HG23	0.63	1.94	4	5
1:A:76:VAL:O	1:A:80:VAL:HG12	0.63	1.94	3	2
1:A:69:MET:CE	1:A:72:LEU:HD12	0.63	2.23	2	1
1:A:51:ALA:HB2	1:A:93:TYR:OH	0.62	1.94	8	1
1:A:31:SER:O	1:A:35:VAL:HG22	0.62	1.94	10	9
1:A:25:SER:OG	1:A:97:ILE:HD11	0.61	1.94	2	1
1:A:45:ASP:O	1:A:48:VAL:HG22	0.61	1.96	8	5
1:A:48:VAL:HG21	1:A:77:SER:HA	0.61	1.73	3	1
1:A:29:LEU:HD22	1:A:94:ALA:HB2	0.60	1.73	7	1
1:A:29:LEU:HD11	1:A:93:TYR:CD2	0.60	2.31	3	1
1:A:24:LEU:HD21	1:A:124:ALA:HB2	0.60	1.72	6	1
1:A:56:GLN:N	1:A:73:LEU:HD11	0.60	2.11	2	1
1:A:69:MET:HA	1:A:72:LEU:HD12	0.59	1.72	8	1
1:A:20:PHE:CE1	1:A:120:ALA:HB2	0.59	2.33	5	6
1:A:64:LEU:HD23	1:A:108:SER:HB2	0.59	1.74	10	1
1:A:62:LEU:CD2	1:A:105:LEU:HD21	0.58	2.27	2	1
1:A:29:LEU:HD23	1:A:90:ALA:HA	0.58	1.76	4	2
1:A:33:ASP:HB2	1:A:131:LEU:HD21	0.58	1.75	8	1
1:A:29:LEU:HD23	1:A:93:TYR:HB3	0.58	1.75	6	1
1:A:58:VAL:HG22	1:A:123:ALA:CB	0.58	2.28	10	1
1:A:37:MET:HE1	1:A:139:PHE:CG	0.58	2.33	1	1
1:A:41:THR:HG21	1:A:47:ALA:CA	0.58	2.28	3	1
1:A:26:SER:O	1:A:90:ALA:HB1	0.58	1.99	10	7
1:A:34:PHE:CD2	1:A:38:ILE:HD11	0.58	2.34	7	3
1:A:62:LEU:CD1	1:A:105:LEU:HD21	0.57	2.29	5	1
1:A:72:LEU:HD11	1:A:104:VAL:CG1	0.57	2.29	4	1
1:A:85:ASN:O	1:A:86:ALA:HB3	0.57	1.98	10	2
1:A:51:ALA:O	1:A:54:VAL:HG22	0.57	1.99	3	2
1:A:52:THR:HG22	1:A:73:LEU:O	0.57	1.99	10	1
1:A:37:MET:HE3	1:A:137:ALA:CB	0.57	2.30	9	1
1:A:48:VAL:HG23	1:A:80:VAL:HG21	0.56	1.76	5	1
1:A:62:LEU:HD13	1:A:105:LEU:HD21	0.56	1.76	5	1
1:A:38:ILE:O	1:A:41:THR:HG22	0.56	2.01	1	1
1:A:79:TYR:CD1	1:A:96:ALA:HB1	0.56	2.35	7	1
1:A:131:LEU:HG	1:A:132:THR:HG23	0.56	1.76	10	1
1:A:48:VAL:O	1:A:52:THR:HG23	0.56	2.00	4	4
1:A:24:LEU:CD1	1:A:120:ALA:HB1	0.55	2.31	5	2
1:A:131:LEU:HD13	1:A:136:PRO:CB	0.55	2.32	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:34:PHE:CE1	1:A:38:ILE:HD11	0.55	2.35	10	1
1:A:34:PHE:CE1	1:A:131:LEU:HD11	0.55	2.36	3	1
1:A:24:LEU:HG	1:A:120:ALA:HB1	0.55	1.79	6	3
1:A:41:THR:HG21	1:A:47:ALA:HA	0.54	1.79	3	1
1:A:76:VAL:HG21	1:A:97:ILE:HD12	0.54	1.79	4	2
1:A:55:ALA:C	1:A:73:LEU:HD11	0.53	2.28	2	1
1:A:33:ASP:OD1	1:A:131:LEU:HD11	0.53	2.03	10	1
1:A:37:MET:HE1	1:A:139:PHE:CD2	0.52	2.40	1	1
1:A:62:LEU:HD23	1:A:64:LEU:HD21	0.52	1.81	8	1
1:A:33:ASP:CB	1:A:131:LEU:HD21	0.52	2.35	8	1
1:A:48:VAL:HG12	1:A:77:SER:O	0.52	2.05	4	1
1:A:44:THR:O	1:A:48:VAL:HG23	0.51	2.05	2	1
1:A:55:ALA:HB2	1:A:97:ILE:HD11	0.51	1.80	4	1
1:A:48:VAL:HG22	1:A:80:VAL:CG2	0.51	2.36	2	3
1:A:83:LEU:HD13	1:A:83:LEU:O	0.51	2.05	9	1
1:A:46:GLN:O	1:A:50:VAL:HG23	0.51	2.06	5	1
1:A:29:LEU:HD21	1:A:93:TYR:CD2	0.50	2.41	4	1
1:A:62:LEU:HD13	1:A:105:LEU:HG	0.50	1.82	4	1
1:A:134:TYR:HB3	1:A:138:VAL:HG21	0.50	1.83	2	1
1:A:21:ALA:HB1	1:A:101:ILE:HD11	0.50	1.83	10	1
1:A:62:LEU:CB	1:A:64:LEU:HD11	0.50	2.37	10	1
1:A:76:VAL:CG2	1:A:97:ILE:HG22	0.50	2.37	2	2
1:A:76:VAL:HG21	1:A:93:TYR:OH	0.50	2.05	9	1
1:A:24:LEU:C	1:A:24:LEU:HD13	0.50	2.31	2	4
1:A:31:SER:O	1:A:35:VAL:HG13	0.50	2.07	3	5
1:A:64:LEU:O	1:A:68:ALA:HB3	0.50	2.05	10	1
1:A:56:GLN:CD	1:A:73:LEU:HD13	0.50	2.32	5	1
1:A:84:GLY:HA2	1:A:87:ILE:HD11	0.49	1.82	8	1
1:A:48:VAL:HG23	1:A:80:VAL:CG2	0.49	2.37	5	1
1:A:28:LEU:O	1:A:28:LEU:HD13	0.49	2.07	1	1
1:A:20:PHE:CZ	1:A:116:ALA:HB3	0.49	2.43	4	1
1:A:62:LEU:HD21	1:A:105:LEU:HD11	0.49	1.84	5	1
1:A:48:VAL:HG12	1:A:80:VAL:CG2	0.48	2.26	8	1
1:A:130:THR:HG22	1:A:135:GLY:O	0.48	2.08	9	1
1:A:58:VAL:HG12	1:A:123:ALA:CB	0.48	2.38	6	1
1:A:72:LEU:HD12	1:A:73:LEU:N	0.48	2.24	3	1
1:A:51:ALA:HB1	1:A:93:TYR:OH	0.48	2.08	9	1
1:A:29:LEU:O	1:A:29:LEU:HD23	0.47	2.09	9	1
1:A:24:LEU:HD23	1:A:25:SER:N	0.47	2.25	1	4
1:A:64:LEU:HD11	1:A:69:MET:HA	0.47	1.87	4	1
1:A:29:LEU:HD23	1:A:93:TYR:CD2	0.46	2.45	2	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:29:LEU:HD12	1:A:93:TYR:CD2	0.46	2.45	1	1
1:A:28:LEU:C	1:A:28:LEU:HD13	0.46	2.35	5	6
1:A:101:ILE:HG22	1:A:105:LEU:HD23	0.46	1.87	3	1
1:A:52:THR:O	1:A:73:LEU:HD11	0.46	2.10	6	1
1:A:72:LEU:C	1:A:72:LEU:HD13	0.46	2.36	2	2
1:A:34:PHE:CD1	1:A:131:LEU:HD13	0.46	2.46	4	1
1:A:131:LEU:HD13	1:A:136:PRO:HB3	0.46	1.88	9	1
1:A:72:LEU:HD12	1:A:72:LEU:O	0.46	2.11	5	1
1:A:62:LEU:HD13	1:A:105:LEU:HD11	0.46	1.88	9	1
1:A:30:SER:C	1:A:35:VAL:HG13	0.45	2.36	5	4
1:A:75:ALA:HB3	1:A:100:ALA:HB1	0.45	1.87	2	1
1:A:77:SER:O	1:A:80:VAL:HG22	0.45	2.11	10	2
1:A:54:VAL:HG12	1:A:127:VAL:HG22	0.45	1.88	1	1
1:A:24:LEU:HD13	1:A:24:LEU:C	0.45	2.37	6	1
1:A:50:VAL:HG13	1:A:139:PHE:CE2	0.45	2.47	1	1
1:A:48:VAL:HG13	1:A:80:VAL:HG21	0.45	1.86	2	1
1:A:133:SER:O	1:A:134:TYR:CB	0.45	2.63	9	1
1:A:70:ASN:HA	1:A:73:LEU:HD23	0.45	1.88	5	1
1:A:58:VAL:HG12	1:A:123:ALA:HB1	0.45	1.88	6	2
1:A:21:ALA:CB	1:A:101:ILE:HD11	0.45	2.42	7	2
1:A:76:VAL:HG11	1:A:97:ILE:HD12	0.45	1.88	10	2
1:A:85:ASN:O	1:A:86:ALA:HB2	0.44	2.12	3	1
1:A:83:LEU:HD21	1:A:96:ALA:CB	0.44	2.41	8	1
1:A:34:PHE:CE2	1:A:38:ILE:HD11	0.44	2.47	6	3
1:A:24:LEU:HD22	1:A:24:LEU:O	0.44	2.11	7	3
1:A:58:VAL:HA	1:A:123:ALA:HB2	0.44	1.90	2	1
1:A:72:LEU:HD21	1:A:101:ILE:HD13	0.44	1.90	6	1
1:A:72:LEU:CD1	1:A:104:VAL:HG11	0.44	2.37	4	1
1:A:25:SER:OG	1:A:94:ALA:HB1	0.44	2.13	9	1
1:A:69:MET:HE3	1:A:72:LEU:HD12	0.44	1.88	2	1
1:A:44:THR:O	1:A:47:ALA:HB3	0.44	2.13	4	3
1:A:72:LEU:HD21	1:A:101:ILE:HG22	0.44	1.89	5	1
1:A:29:LEU:HD22	1:A:90:ALA:HA	0.43	1.90	9	1
1:A:56:GLN:CB	1:A:73:LEU:HD21	0.43	2.43	9	1
1:A:83:LEU:HD21	1:A:92:ALA:O	0.43	2.13	9	1
1:A:20:PHE:CZ	1:A:116:ALA:HB1	0.43	2.47	5	1
1:A:87:ILE:HG23	1:A:93:TYR:CE1	0.43	2.49	7	1
1:A:131:LEU:HD12	1:A:131:LEU:O	0.43	2.13	10	1
1:A:72:LEU:HD13	1:A:104:VAL:HB	0.43	1.90	7	1
1:A:83:LEU:HD12	1:A:83:LEU:O	0.42	2.14	8	1
1:A:56:GLN:HB2	1:A:73:LEU:HD21	0.42	1.91	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:85:ASN:O	1:A:86:ALA:CB	0.42	2.64	10	1
1:A:34:PHE:CZ	1:A:50:VAL:HG12	0.42	2.49	2	1
1:A:62:LEU:CD2	1:A:64:LEU:HD21	0.42	2.45	8	1
1:A:89:ASP:HB2	1:A:92:ALA:HB3	0.42	1.91	4	2
1:A:131:LEU:HD12	1:A:131:LEU:C	0.42	2.40	10	1
1:A:31:SER:O	1:A:35:VAL:HG12	0.42	2.14	1	1
1:A:83:LEU:HD11	1:A:93:TYR:HA	0.42	1.90	10	1
1:A:25:SER:O	1:A:29:LEU:HD23	0.41	2.15	1	1
1:A:130:THR:HG22	1:A:138:VAL:CG1	0.41	2.45	7	1
1:A:135:GLY:HA3	1:A:138:VAL:CG1	0.41	2.45	8	1
1:A:72:LEU:HD11	1:A:101:ILE:HA	0.41	1.90	2	1
1:A:29:LEU:HD13	1:A:93:TYR:CE1	0.41	2.51	10	1
1:A:48:VAL:HG13	1:A:80:VAL:CG2	0.41	2.46	2	1
1:A:68:ALA:O	1:A:72:LEU:HD12	0.41	2.15	4	1
1:A:25:SER:HB3	1:A:97:ILE:HD11	0.41	1.92	7	1
1:A:79:TYR:CD2	1:A:96:ALA:HB1	0.41	2.50	10	1
1:A:89:ASP:CB	1:A:92:ALA:HB3	0.41	2.46	10	1
1:A:130:THR:O	1:A:131:LEU:CB	0.41	2.68	10	1
1:A:101:ILE:HG22	1:A:105:LEU:HD22	0.41	1.92	9	1
1:A:127:VAL:HG23	1:A:139:PHE:HE1	0.40	1.70	7	1
1:A:79:TYR:HD2	1:A:96:ALA:HB1	0.40	1.76	4	1
1:A:62:LEU:HD11	1:A:105:LEU:HD11	0.40	1.94	5	1
1:A:62:LEU:HB3	1:A:64:LEU:HD11	0.40	1.92	10	1
1:A:55:ALA:CB	1:A:73:LEU:HD11	0.40	2.42	1	1
1:A:28:LEU:HD13	1:A:28:LEU:C	0.40	2.41	2	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	117/148 (79%)	108±1 (92±1%)	6±2 (5±2%)	3±1 (2±1%)	7	44
All	All	1170/1480 (79%)	1079 (92%)	63 (5%)	28 (2%)	7	44

All 12 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	63	GLY	5
1	A	131	LEU	4
1	A	83	LEU	3
1	A	65	ASP	3
1	A	117	SER	3
1	A	136	PRO	3
1	A	43	SER	2
1	A	41	THR	1
1	A	64	LEU	1
1	A	116	ALA	1
1	A	134	TYR	1
1	A	86	ALA	1

6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	87/111 (78%)	66±3 (76±4%)	21±3 (24±4%)	2	25
All	All	870/1110 (78%)	657 (76%)	213 (24%)	2	25

All 60 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	30	SER	10
1	A	46	GLN	7
1	A	83	LEU	7
1	A	65	ASP	7
1	A	24	LEU	6
1	A	126	SER	6
1	A	36	GLN	6
1	A	139	PHE	6
1	A	43	SER	5
1	A	49	SER	5
1	A	62	LEU	5
1	A	88	SER	5
1	A	77	SER	5
1	A	105	LEU	5

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Mol	Chain	Res	Type	Models (Total)
1	A	131	LEU	5
1	A	31	SER	5
1	A	37	MET	5
1	A	64	LEU	4
1	A	69	MET	4
1	A	42	THR	4
1	A	61	GLN	4
1	A	81	SER	4
1	A	107	ASN	4
1	A	108	SER	4
1	A	133	SER	4
1	A	134	TYR	4
1	A	22	GLN	4
1	A	99	SER	4
1	A	44	THR	4
1	A	28	LEU	3
1	A	45	ASP	3
1	A	53	SER	3
1	A	73	LEU	3
1	A	67	ASN	3
1	A	79	TYR	3
1	A	91	SER	3
1	A	72	LEU	3
1	A	117	SER	3
1	A	140	TYR	3
1	A	82	THR	3
1	A	33	ASP	2
1	A	101	ILE	2
1	A	27	ASN	2
1	A	60	ASN	2
1	A	70	ASN	2
1	A	130	THR	2
1	A	138	VAL	2
1	A	56	GLN	2
1	A	71	SER	2
1	A	121	SER	2
1	A	118	SER	2
1	A	122	SER	2
1	A	95	ASN	1
1	A	89	ASP	1
1	A	29	LEU	1
1	A	85	ASN	1

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Mol	Chain	Res	Type	Models (Total)
1	A	87	ILE	1
1	A	52	THR	1
1	A	20	PHE	1
1	A	125	SER	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 37% for the well-defined parts and 36% 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	511
Number of shifts mapped to atoms	511
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	4

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	119	-0.85 ± 0.09	Should be checked
$^{13}\text{C}_\beta$	13	—	None (insufficient data)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	112	0.67 ± 0.24	Should be applied

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 37%, i.e. 503 atoms were assigned a chemical shift out of a possible 1354. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	453/603 (75%)	226/247 (91%)	117/238 (49%)	110/118 (93%)
Sidechain	50/685 (7%)	33/460 (7%)	17/210 (8%)	0/15 (0%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	0/66 (0%)	0/31 (0%)	0/35 (0%)	0/0 (—%)
Overall	503/1354 (37%)	259/738 (35%)	134/483 (28%)	110/133 (83%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 36%, i.e. 511 atoms were assigned a chemical shift out of a possible 1419. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	461/633 (73%)	230/259 (89%)	119/250 (48%)	112/124 (90%)
Sidechain	50/720 (7%)	33/483 (7%)	17/222 (8%)	0/15 (0%)
Aromatic	0/66 (0%)	0/31 (0%)	0/35 (0%)	0/0 (—%)
Overall	511/1419 (36%)	263/773 (34%)	136/507 (27%)	112/139 (81%)

7.1.4 Statistically unusual chemical shifts [i](#)

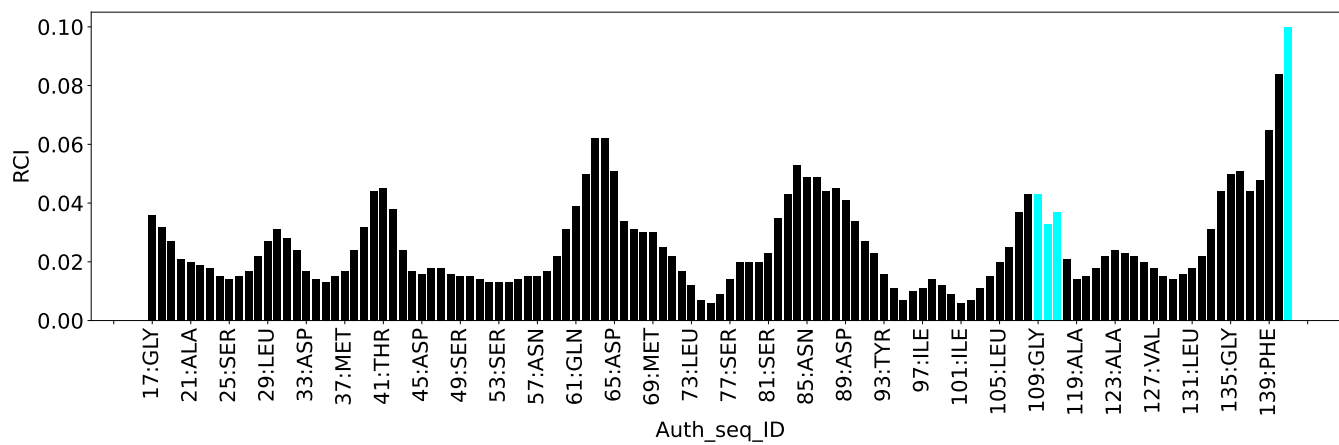
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	95	ASN	HA	0.90	2.91 – 6.40	-10.8
1	A	75	ALA	HA	7.84	2.13 – 6.34	8.6
1	A	141	ALA	HA	7.77	2.13 – 6.34	8.4
1	A	101	ILE	HA	1.04	1.43 – 6.88	-5.7

7.1.5 Random Coil Index (RCI) plots [i](#)

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

Random coil index (RCI) for chain A:



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	1218
Intra-residue ($ i-j =0$)	346
Sequential ($ i-j =1$)	265
Medium range ($ i-j >1$ and $ i-j <5$)	239
Long range ($ i-j \geq 5$)	368
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	193
Number of unmapped restraints	12
Number of restraints per residue	9.5
Number of long range restraints per residue ¹	2.5

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)	15.5	0.2
0.2-0.5 (Medium)	55.1	0.5
>0.5 (Large)	187.4	13.52

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	32.4	6.89
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

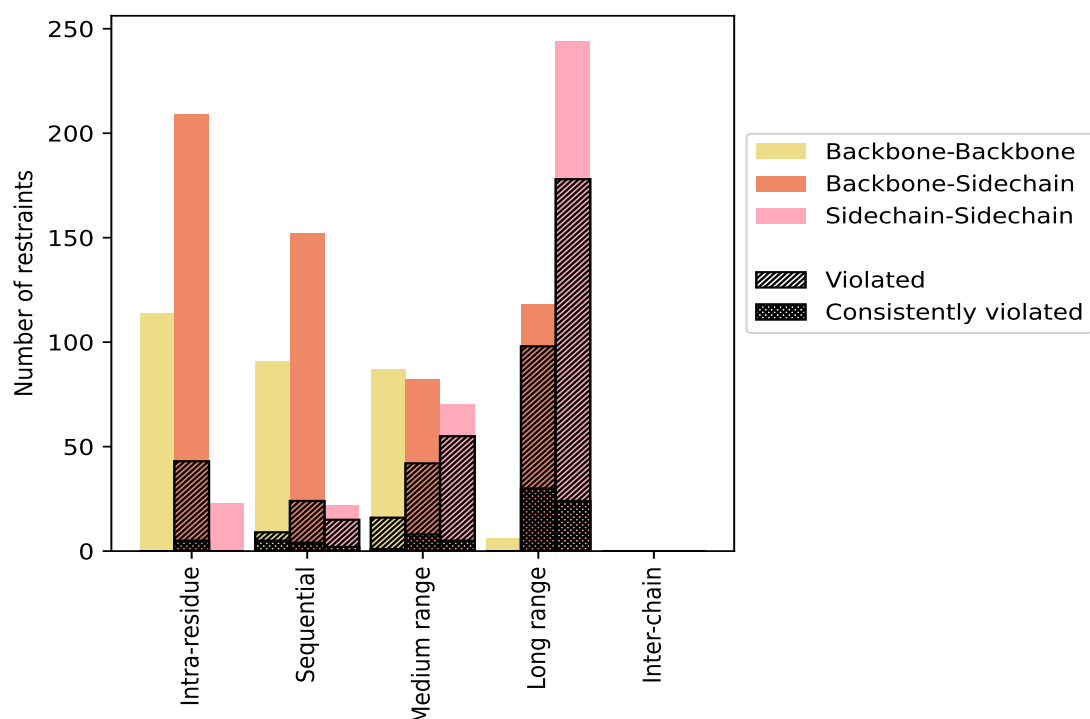
9.1 Summary of distance violations ⓘ

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	28.4	43	12.4	3.5	5	1.4	0.4
Backbone-Backbone	114	9.4	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	209	17.2	43	20.6	3.5	5	2.4	0.4
Sidechain-Sidechain	23	1.9	0	0.0	0.0	0	0.0	0.0
Sequential ($i-j =1$)	265	21.8	48	18.1	3.9	11	4.2	0.9
Backbone-Backbone	91	7.5	9	9.9	0.7	5	5.5	0.4
Backbone-Sidechain	152	12.5	24	15.8	2.0	4	2.6	0.3
Sidechain-Sidechain	22	1.8	15	68.2	1.2	2	9.1	0.2
Medium range ($i-j >1$ & $i-j <5$)	239	19.6	113	47.3	9.3	14	5.9	1.1
Backbone-Backbone	87	7.1	16	18.4	1.3	1	1.1	0.1
Backbone-Sidechain	82	6.7	42	51.2	3.4	8	9.8	0.7
Sidechain-Sidechain	70	5.7	55	78.6	4.5	5	7.1	0.4
Long range ($i-j \geq 5$)	368	30.2	276	75.0	22.7	54	14.7	4.4
Backbone-Backbone	6	0.5	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	118	9.7	98	83.1	8.0	30	25.4	2.5
Sidechain-Sidechain	244	20.0	178	73.0	14.6	24	9.8	2.0
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	1218	100.0	480	39.4	39.4	84	6.9	6.9
Backbone-Backbone	298	24.5	25	8.4	2.1	6	2.0	0.5
Backbone-Sidechain	561	46.1	207	36.9	17.0	47	8.4	3.9
Sidechain-Sidechain	359	29.5	248	69.1	20.4	31	8.6	2.5

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

9.1.1 Bar chart : Distribution of distance restraints and violations [i](#)



Violated and consistently violated restraints are shown using different hatch patterns in their respective categories. The hydrogen bonds and disulfide bonds are counted in their appropriate category on the x-axis

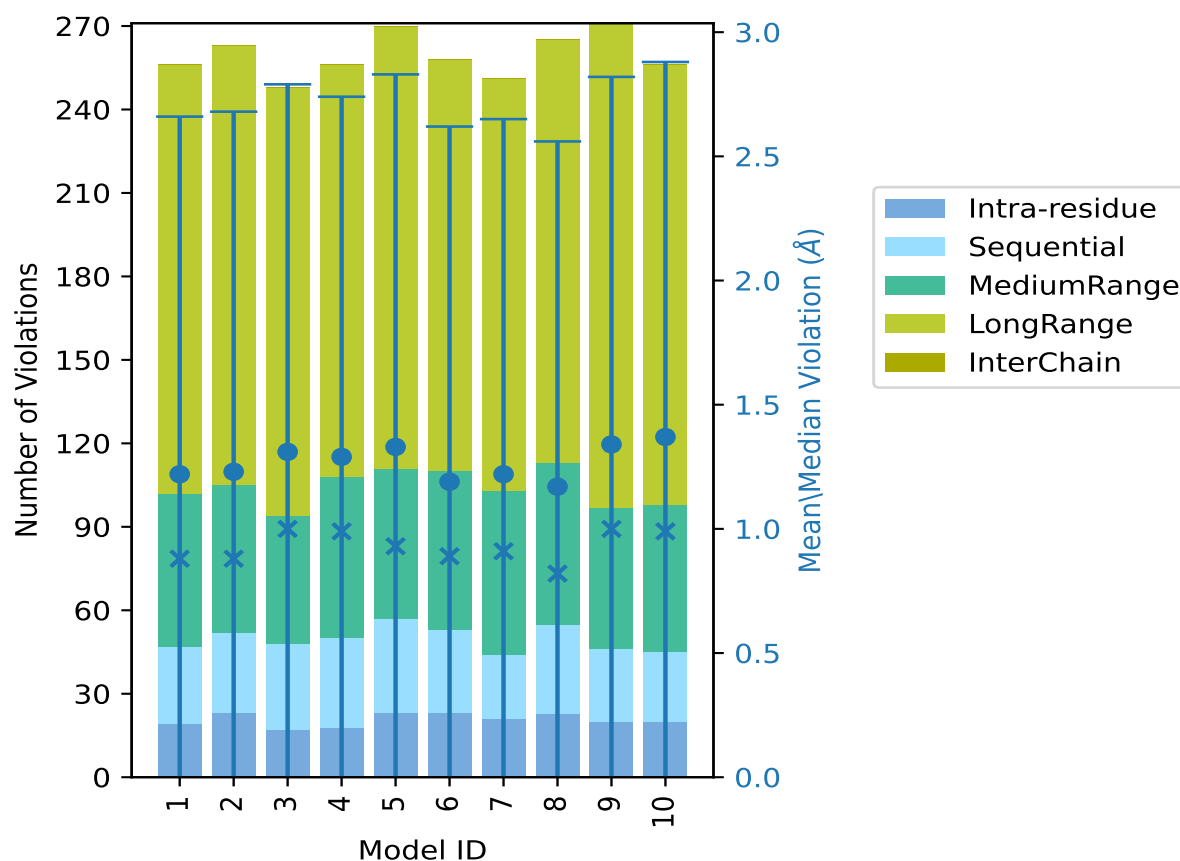
9.2 Distance violation statistics for each model [i](#)

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	19	28	55	154	0	256	1.22	12.83	1.44	0.88
2	23	29	53	158	0	263	1.23	12.95	1.45	0.88
3	17	31	46	154	0	248	1.31	13.2	1.48	1.0
4	18	32	58	148	0	256	1.29	13.03	1.45	0.99
5	23	34	54	159	0	270	1.33	12.56	1.5	0.93
6	23	30	57	148	0	258	1.19	12.28	1.43	0.89
7	21	23	59	148	0	251	1.22	13.52	1.43	0.91
8	23	32	58	152	0	265	1.17	13.02	1.39	0.82
9	20	26	51	174	0	271	1.34	12.87	1.48	1.0
10	20	25	53	158	0	256	1.37	12.24	1.51	0.99

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 [i](#)



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

9.3 Distance violation statistics for the ensemble [i](#)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 738(IR:303, SQ:217, MR:126, LR:92, 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	%
5	7	15	41	0	68	1	10.0
7	4	20	32	0	63	2	20.0
6	4	17	30	0	57	3	30.0

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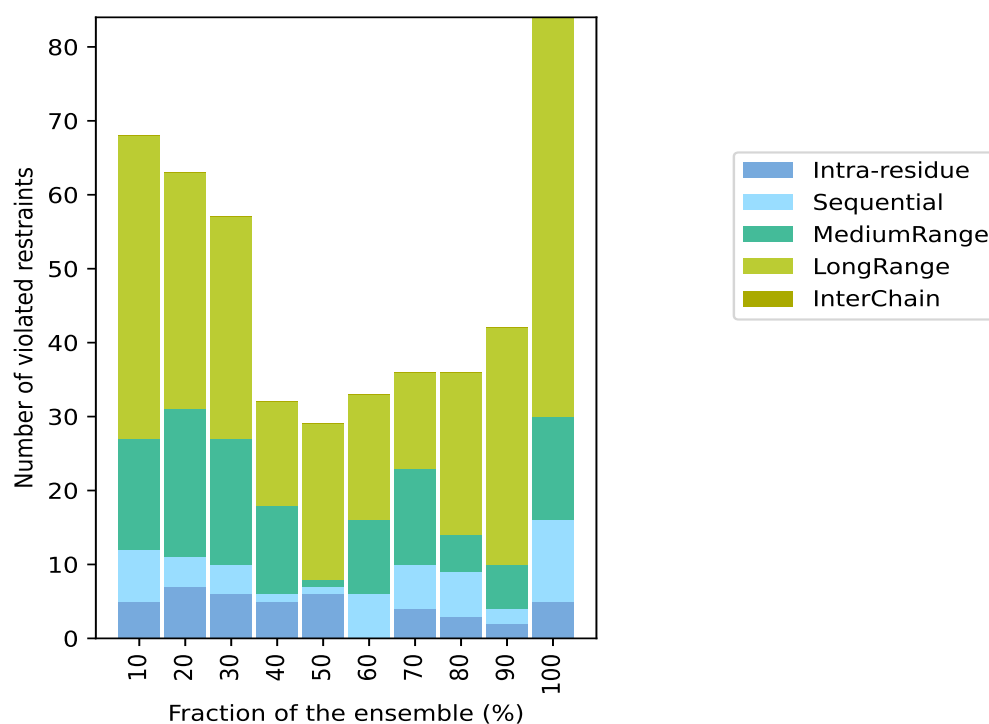
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Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
5	1	12	14	0	32	4	40.0
6	1	1	21	0	29	5	50.0
0	6	10	17	0	33	6	60.0
4	6	13	13	0	36	7	70.0
3	6	5	22	0	36	8	80.0
2	2	6	32	0	42	9	90.0
5	11	14	54	0	84	10	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 ⓘ

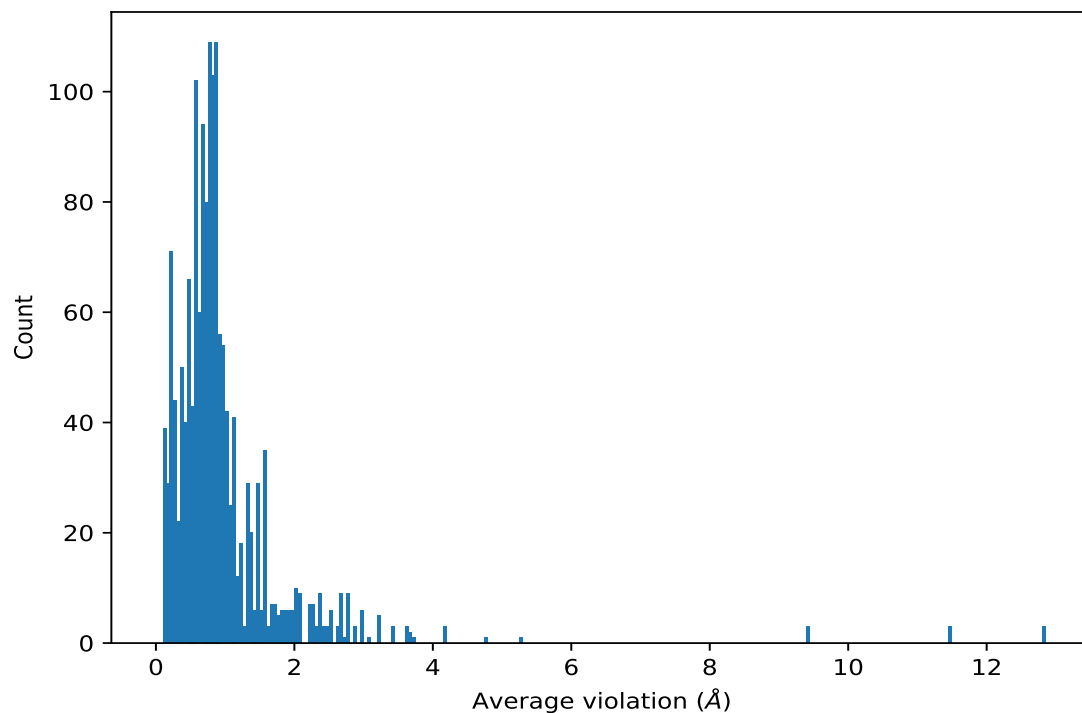


9.4 Most violated distance restraints in the ensemble ⓘ

9.4.1 Histogram : Distribution of mean distance violations ⓘ

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

in the ensemble



9.4.2 Table: Most violated distance restraints [i](#)

The following table provides the mean and the standard deviation of 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)
(1,706)	1:75:A:ALA:HB1	1:39:A:SER:H	10	12.85	0.38	12.91
(1,706)	1:75:A:ALA:HB2	1:39:A:SER:H	10	12.85	0.38	12.91
(1,706)	1:75:A:ALA:HB3	1:39:A:SER:H	10	12.85	0.38	12.91
(1,692)	1:75:A:ALA:HB1	1:91:A:SER:H	10	11.46	0.3	11.54
(1,692)	1:75:A:ALA:HB2	1:91:A:SER:H	10	11.46	0.3	11.54
(1,692)	1:75:A:ALA:HB3	1:91:A:SER:H	10	11.46	0.3	11.54
(1,705)	1:75:A:ALA:HB1	1:111:A:ILE:H	10	9.42	1.24	9.5
(1,705)	1:75:A:ALA:HB2	1:111:A:ILE:H	10	9.42	1.24	9.5
(1,705)	1:75:A:ALA:HB3	1:111:A:ILE:H	10	9.42	1.24	9.5
(1,649)	1:134:A:TYR:HD1	1:138:A:VAL:H	10	5.26	1.03	5.54
(1,650)	1:134:A:TYR:HE1	1:138:A:VAL:H	10	4.76	1.4	5.22
(1,740)	1:120:A:ALA:HB1	1:19:A:ALA:H	10	4.17	0.27	4.23
(1,740)	1:120:A:ALA:HB2	1:19:A:ALA:H	10	4.17	0.27	4.23
(1,740)	1:120:A:ALA:HB3	1:19:A:ALA:H	10	4.17	0.27	4.23
(1,694)	1:79:A:TYR:HD1	1:99:A:SER:H	10	3.72	0.64	3.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1140)	1:102:A:GLY:HA2	1:20:A:PHE:HD1	10	3.68	0.21	3.74
(1,1140)	1:102:A:GLY:HA3	1:20:A:PHE:HD1	10	3.68	0.21	3.74
(1,716)	1:38:A:ILE:HG21	1:91:A:SER:H	10	3.61	0.14	3.64
(1,716)	1:38:A:ILE:HG22	1:91:A:SER:H	10	3.61	0.14	3.64
(1,716)	1:38:A:ILE:HG23	1:91:A:SER:H	10	3.61	0.14	3.64
(1,1062)	1:136:A:PRO:HG2	1:138:A:VAL:HB	10	3.23	0.1	3.28
(1,1062)	1:136:A:PRO:HG3	1:138:A:VAL:HB	10	3.23	0.1	3.28
(1,681)	1:132:A:THR:HG21	1:127:A:VAL:H	10	3.22	0.38	3.22
(1,681)	1:132:A:THR:HG22	1:127:A:VAL:H	10	3.22	0.38	3.22
(1,681)	1:132:A:THR:HG23	1:127:A:VAL:H	10	3.22	0.38	3.22
(1,647)	1:125:A:SER:HA	1:121:A:SER:H	10	3.08	0.17	3.04
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD11	10	2.85	0.38	2.81
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD12	10	2.85	0.38	2.81
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD13	10	2.85	0.38	2.81
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB2	10	2.78	0.03	2.78
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB3	10	2.78	0.03	2.78
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG21	10	2.68	0.02	2.68
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG22	10	2.68	0.02	2.68
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG23	10	2.68	0.02	2.68
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG21	10	2.68	0.02	2.68
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG22	10	2.68	0.02	2.68
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG23	10	2.68	0.02	2.68
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG21	10	2.68	0.02	2.68
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG22	10	2.68	0.02	2.68
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG23	10	2.68	0.02	2.68
(1,697)	1:79:A:TYR:HE1	1:100:A:ALA:H	10	2.63	0.59	2.82
(1,696)	1:79:A:TYR:HD1	1:100:A:ALA:H	10	2.63	0.69	2.78
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD11	10	2.51	0.17	2.5
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD12	10	2.51	0.17	2.5
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD13	10	2.51	0.17	2.5
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG21	10	2.51	0.09	2.53
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG22	10	2.51	0.09	2.53
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG23	10	2.51	0.09	2.53
(1,735)	1:116:A:ALA:HB1	1:19:A:ALA:H	10	2.45	0.47	2.42
(1,735)	1:116:A:ALA:HB2	1:19:A:ALA:H	10	2.45	0.47	2.42
(1,735)	1:116:A:ALA:HB3	1:19:A:ALA:H	10	2.45	0.47	2.42
(1,1090)	1:119:A:ALA:HB1	1:105:A:LEU:HG	10	2.44	0.28	2.6
(1,1090)	1:119:A:ALA:HB2	1:105:A:LEU:HG	10	2.44	0.28	2.6
(1,1090)	1:119:A:ALA:HB3	1:105:A:LEU:HG	10	2.44	0.28	2.6
(1,707)	1:68:A:ALA:HB1	1:104:A:VAL:H	10	2.38	1.14	2.36
(1,707)	1:68:A:ALA:HB2	1:104:A:VAL:H	10	2.38	1.14	2.36
(1,707)	1:68:A:ALA:HB3	1:104:A:VAL:H	10	2.38	1.14	2.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB1	10	2.28	1.65	1.7
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB2	10	2.28	1.65	1.7
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB3	10	2.28	1.65	1.7
(1,1074)	1:47:A:ALA:HB1	1:93:A:TYR:HE1	10	2.28	1.65	1.7
(1,1074)	1:47:A:ALA:HB2	1:93:A:TYR:HE1	10	2.28	1.65	1.7
(1,1074)	1:47:A:ALA:HB3	1:93:A:TYR:HE1	10	2.28	1.65	1.7
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB1	10	2.24	0.28	2.23
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB2	10	2.24	0.28	2.23
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB3	10	2.24	0.28	2.23
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG21	10	2.07	0.44	2.28
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG22	10	2.07	0.44	2.28
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG23	10	2.07	0.44	2.28
(1,739)	1:120:A:ALA:HB1	1:20:A:PHE:H	10	2.06	0.25	2.14
(1,739)	1:120:A:ALA:HB2	1:20:A:PHE:H	10	2.06	0.25	2.14
(1,739)	1:120:A:ALA:HB3	1:20:A:PHE:H	10	2.06	0.25	2.14
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD21	10	2.03	0.44	2.04
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD22	10	2.03	0.44	2.04
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD23	10	2.03	0.44	2.04
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB1	10	2.01	0.46	2.04
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB2	10	2.01	0.46	2.04
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB3	10	2.01	0.46	2.04
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB1	10	2.01	0.46	2.04
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB2	10	2.01	0.46	2.04
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB3	10	2.01	0.46	2.04
(1,718)	1:38:A:ILE:HG21	1:93:A:TYR:H	10	1.93	0.19	1.96
(1,718)	1:38:A:ILE:HG22	1:93:A:TYR:H	10	1.93	0.19	1.96
(1,718)	1:38:A:ILE:HG23	1:93:A:TYR:H	10	1.93	0.19	1.96
(1,714)	1:38:A:ILE:HG21	1:90:A:ALA:H	10	1.89	0.27	1.86
(1,714)	1:38:A:ILE:HG22	1:90:A:ALA:H	10	1.89	0.27	1.86
(1,714)	1:38:A:ILE:HG23	1:90:A:ALA:H	10	1.89	0.27	1.86
(1,736)	1:124:A:ALA:HB1	1:27:A:ASN:H	10	1.8	0.38	1.84
(1,736)	1:124:A:ALA:HB2	1:27:A:ASN:H	10	1.8	0.38	1.84
(1,736)	1:124:A:ALA:HB3	1:27:A:ASN:H	10	1.8	0.38	1.84
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB1	10	1.71	1.1	1.37
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB2	10	1.71	1.1	1.37
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB3	10	1.71	1.1	1.37
(1,666)	1:83:A:LEU:HB3	1:87:A:ILE:H	10	1.66	0.7	1.67
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG21	10	1.58	0.89	1.1
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG22	10	1.58	0.89	1.1
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG23	10	1.58	0.89	1.1
(1,734)	1:120:A:ALA:HB1	1:23:A:SER:H	10	1.56	0.5	1.61
(1,734)	1:120:A:ALA:HB2	1:23:A:SER:H	10	1.56	0.5	1.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,734)	1:120:A:ALA:HB3	1:23:A:SER:H	10	1.56	0.5	1.61
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD11	10	1.48	0.67	1.46
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD12	10	1.48	0.67	1.46
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD13	10	1.48	0.67	1.46
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD11	10	1.48	0.67	1.46
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD12	10	1.48	0.67	1.46
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD13	10	1.48	0.67	1.46
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD11	10	1.48	0.67	1.46
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD12	10	1.48	0.67	1.46
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD13	10	1.48	0.67	1.46
(1,1172)	1:99:A:SER:HB2	1:79:A:TYR:HE1	10	1.39	0.6	1.49
(1,1172)	1:99:A:SER:HB3	1:79:A:TYR:HE1	10	1.39	0.6	1.49
(1,719)	1:38:A:ILE:HD11	1:94:A:ALA:H	10	1.36	0.12	1.4
(1,719)	1:38:A:ILE:HD12	1:94:A:ALA:H	10	1.36	0.12	1.4
(1,719)	1:38:A:ILE:HD13	1:94:A:ALA:H	10	1.36	0.12	1.4
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG21	10	1.22	0.55	1.14
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG22	10	1.22	0.55	1.14
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG23	10	1.22	0.55	1.14
(1,1119)	1:38:A:ILE:HG21	1:93:A:TYR:HD1	10	1.22	0.55	1.14
(1,1119)	1:38:A:ILE:HG22	1:93:A:TYR:HD1	10	1.22	0.55	1.14
(1,1119)	1:38:A:ILE:HG23	1:93:A:TYR:HD1	10	1.22	0.55	1.14
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG21	10	1.21	0.7	1.42
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG22	10	1.21	0.7	1.42
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG23	10	1.21	0.7	1.42
(1,715)	1:38:A:ILE:HD11	1:90:A:ALA:H	10	1.17	0.34	1.08
(1,715)	1:38:A:ILE:HD12	1:90:A:ALA:H	10	1.17	0.34	1.08
(1,715)	1:38:A:ILE:HD13	1:90:A:ALA:H	10	1.17	0.34	1.08
(1,67)	1:28:A:LEU:HG	1:28:A:LEU:H	10	1.09	0.2	1.18
(1,639)	1:97:A:ILE:HD11	1:100:A:ALA:H	10	1.07	0.22	1.02
(1,639)	1:97:A:ILE:HD12	1:100:A:ALA:H	10	1.07	0.22	1.02
(1,639)	1:97:A:ILE:HD13	1:100:A:ALA:H	10	1.07	0.22	1.02
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG21	10	1.05	0.02	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG22	10	1.05	0.02	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG23	10	1.05	0.02	1.04
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD11	10	1.04	0.02	1.03
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD12	10	1.04	0.02	1.03
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD13	10	1.04	0.02	1.03
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD11	10	1.02	0.06	1.02
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD12	10	1.02	0.06	1.02
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD13	10	1.02	0.06	1.02
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD11	10	1.02	0.06	1.02
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD12	10	1.02	0.06	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD13	10	1.02	0.06	1.02
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD11	10	1.02	0.06	1.02
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD12	10	1.02	0.06	1.02
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD13	10	1.02	0.06	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD21	10	1.01	0.07	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD22	10	1.01	0.07	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD23	10	1.01	0.07	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD21	10	1.01	0.07	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD22	10	1.01	0.07	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD23	10	1.01	0.07	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD21	10	1.01	0.07	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD22	10	1.01	0.07	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD23	10	1.01	0.07	1.02
(1,766)	1:90:A:ALA:HB1	1:35:A:VAL:HA	10	1.01	0.11	1.05
(1,766)	1:90:A:ALA:HB2	1:35:A:VAL:HA	10	1.01	0.11	1.05
(1,766)	1:90:A:ALA:HB3	1:35:A:VAL:HA	10	1.01	0.11	1.05
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB1	10	1.01	0.11	1.05
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB2	10	1.01	0.11	1.05
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB3	10	1.01	0.11	1.05
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB1	10	1.0	0.15	1.04
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB2	10	1.0	0.15	1.04
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB3	10	1.0	0.15	1.04
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB1	10	0.98	0.09	0.99
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB2	10	0.98	0.09	0.99
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB3	10	0.98	0.09	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB1	10	0.98	0.09	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB2	10	0.98	0.09	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB3	10	0.98	0.09	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB1	10	0.98	0.09	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB2	10	0.98	0.09	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB3	10	0.98	0.09	0.99
(1,729)	1:116:A:ALA:HB1	1:21:A:ALA:H	10	0.96	0.5	0.98
(1,729)	1:116:A:ALA:HB2	1:21:A:ALA:H	10	0.96	0.5	0.98
(1,729)	1:116:A:ALA:HB3	1:21:A:ALA:H	10	0.96	0.5	0.98
(1,1014)	1:68:A:ALA:HB1	1:72:A:LEU:HA	10	0.96	0.1	1.02
(1,1014)	1:68:A:ALA:HB2	1:72:A:LEU:HA	10	0.96	0.1	1.02
(1,1014)	1:68:A:ALA:HB3	1:72:A:LEU:HA	10	0.96	0.1	1.02
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG21	10	0.94	0.15	1.01
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG22	10	0.94	0.15	1.01
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG23	10	0.94	0.15	1.01
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG21	10	0.94	0.15	1.01
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG22	10	0.94	0.15	1.01

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG23	10	0.94	0.15	1.01
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG21	10	0.94	0.15	1.01
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG22	10	0.94	0.15	1.01
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG23	10	0.94	0.15	1.01
(1,233)	1:29:A:LEU:HG	1:29:A:LEU:H	10	0.93	0.12	0.88
(1,1043)	1:38:A:ILE:HG21	1:90:A:ALA:HA	10	0.91	0.09	0.93
(1,1043)	1:38:A:ILE:HG22	1:90:A:ALA:HA	10	0.91	0.09	0.93
(1,1043)	1:38:A:ILE:HG23	1:90:A:ALA:HA	10	0.91	0.09	0.93
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG11	10	0.87	0.78	0.6
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG12	10	0.87	0.78	0.6
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG13	10	0.87	0.78	0.6
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG11	10	0.87	0.78	0.6
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG12	10	0.87	0.78	0.6
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG13	10	0.87	0.78	0.6
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG11	10	0.87	0.78	0.6
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG12	10	0.87	0.78	0.6
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG13	10	0.87	0.78	0.6
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB1	10	0.87	0.17	0.93
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB2	10	0.87	0.17	0.93
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB3	10	0.87	0.17	0.93
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB1	10	0.87	0.17	0.93
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB2	10	0.87	0.17	0.93
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB3	10	0.87	0.17	0.93
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB1	10	0.87	0.17	0.93
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB2	10	0.87	0.17	0.93
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB3	10	0.87	0.17	0.93
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD11	10	0.87	0.17	0.93
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD12	10	0.87	0.17	0.93
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD13	10	0.87	0.17	0.93
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD11	10	0.87	0.17	0.93
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD12	10	0.87	0.17	0.93
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD13	10	0.87	0.17	0.93
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD11	10	0.87	0.17	0.93
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD12	10	0.87	0.17	0.93
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD13	10	0.87	0.17	0.93
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB1	10	0.85	0.19	0.94
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB2	10	0.85	0.19	0.94
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB3	10	0.85	0.19	0.94
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB1	10	0.85	0.19	0.94
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB2	10	0.85	0.19	0.94
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB3	10	0.85	0.19	0.94
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD11	10	0.84	0.34	1.03

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD12	10	0.84	0.34	1.03
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD13	10	0.84	0.34	1.03
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD11	10	0.84	0.34	1.03
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD12	10	0.84	0.34	1.03
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD13	10	0.84	0.34	1.03
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD11	10	0.84	0.34	1.03
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD12	10	0.84	0.34	1.03
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD13	10	0.84	0.34	1.03
(1,951)	1:132:A:THR:HG21	1:31:A:SER:HB3	10	0.81	0.2	0.86
(1,951)	1:132:A:THR:HG22	1:31:A:SER:HB3	10	0.81	0.2	0.86
(1,951)	1:132:A:THR:HG23	1:31:A:SER:HB3	10	0.81	0.2	0.86
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD11	10	0.8	0.21	0.89
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD12	10	0.8	0.21	0.89
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD13	10	0.8	0.21	0.89
(1,672)	1:24:A:LEU:HB3	1:28:A:LEU:H	10	0.8	0.2	0.73
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD11	10	0.8	0.25	0.9
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD12	10	0.8	0.25	0.9
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD13	10	0.8	0.25	0.9
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD11	10	0.8	0.25	0.9
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD12	10	0.8	0.25	0.9
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD13	10	0.8	0.25	0.9
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD11	10	0.8	0.25	0.9
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD12	10	0.8	0.25	0.9
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD13	10	0.8	0.25	0.9
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG21	10	0.8	0.25	0.9
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG22	10	0.8	0.25	0.9
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG23	10	0.8	0.25	0.9
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG21	10	0.8	0.25	0.9
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG22	10	0.8	0.25	0.9
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG23	10	0.8	0.25	0.9
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG21	10	0.8	0.25	0.9
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG22	10	0.8	0.25	0.9
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG23	10	0.8	0.25	0.9
(1,453)	1:76:A:VAL:HB	1:77:A:SER:H	10	0.58	0.09	0.61
(1,552)	1:44:A:THR:HB	1:46:A:GLN:H	10	0.57	0.31	0.48
(1,183)	1:22:A:GLN:HG2	1:22:A:GLN:H	10	0.56	0.07	0.57
(1,183)	1:22:A:GLN:HG3	1:22:A:GLN:H	10	0.56	0.07	0.57
(1,737)	1:132:A:THR:HG21	1:34:A:PHE:H	10	0.53	0.23	0.53
(1,737)	1:132:A:THR:HG22	1:34:A:PHE:H	10	0.53	0.23	0.53
(1,737)	1:132:A:THR:HG23	1:34:A:PHE:H	10	0.53	0.23	0.53
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB1	10	0.51	0.18	0.43
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB2	10	0.51	0.18	0.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB3	10	0.51	0.18	0.43
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB1	10	0.51	0.18	0.43
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB2	10	0.51	0.18	0.43
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB3	10	0.51	0.18	0.43
(1,343)	1:54:A:VAL:HB	1:55:A:ALA:H	10	0.47	0.12	0.47
(1,462)	1:80:A:VAL:HB	1:81:A:SER:H	10	0.43	0.11	0.39
(1,228)	1:132:A:THR:HB	1:132:A:THR:H	10	0.38	0.06	0.38
(1,512)	1:54:A:VAL:HA	1:53:A:SER:H	10	0.34	0.06	0.32
(1,527)	1:92:A:ALA:HA	1:91:A:SER:H	10	0.33	0.05	0.3
(1,360)	1:35:A:VAL:HB	1:36:A:GLN:H	10	0.33	0.03	0.34
(1,511)	1:50:A:VAL:HA	1:49:A:SER:H	10	0.32	0.03	0.31
(1,555)	1:54:A:VAL:HG11	1:56:A:GLN:H	10	0.32	0.06	0.34
(1,555)	1:54:A:VAL:HG12	1:56:A:GLN:H	10	0.32	0.06	0.34
(1,555)	1:54:A:VAL:HG13	1:56:A:GLN:H	10	0.32	0.06	0.34
(1,373)	1:19:A:ALA:HA	1:18:A:ASN:H	10	0.3	0.03	0.3
(1,517)	1:59:A:GLY:HA2	1:58:A:VAL:H	10	0.26	0.03	0.26
(1,28)	1:54:A:VAL:HB	1:54:A:VAL:H	10	0.23	0.01	0.23
(1,711)	1:87:A:ILE:HD11	1:43:A:SER:H	9	3.42	0.59	3.31
(1,711)	1:87:A:ILE:HD12	1:43:A:SER:H	9	3.42	0.59	3.31
(1,711)	1:87:A:ILE:HD13	1:43:A:SER:H	9	3.42	0.59	3.31
(1,717)	1:35:A:VAL:HG21	1:90:A:ALA:H	9	2.8	0.15	2.84
(1,717)	1:35:A:VAL:HG22	1:90:A:ALA:H	9	2.8	0.15	2.84
(1,717)	1:35:A:VAL:HG23	1:90:A:ALA:H	9	2.8	0.15	2.84
(1,686)	1:139:A:PHE:HE1	1:131:A:LEU:H	9	2.75	1.27	2.95
(1,1175)	1:100:A:ALA:HA	1:79:A:TYR:HE1	9	2.72	1.05	2.2
(1,822)	1:136:A:PRO:HA	1:139:A:PHE:HD1	9	2.3	1.08	2.19
(1,687)	1:139:A:PHE:HZ	1:131:A:LEU:H	9	2.01	1.11	2.06
(1,712)	1:101:A:ILE:HD11	1:55:A:ALA:H	9	1.99	0.79	2.05
(1,712)	1:101:A:ILE:HD12	1:55:A:ALA:H	9	1.99	0.79	2.05
(1,712)	1:101:A:ILE:HD13	1:55:A:ALA:H	9	1.99	0.79	2.05
(1,1208)	1:127:A:VAL:HG11	1:139:A:PHE:HD1	9	1.92	0.89	1.75
(1,1208)	1:127:A:VAL:HG12	1:139:A:PHE:HD1	9	1.92	0.89	1.75
(1,1208)	1:127:A:VAL:HG13	1:139:A:PHE:HD1	9	1.92	0.89	1.75
(1,689)	1:69:A:MET:HE1	1:58:A:VAL:H	9	1.85	0.61	2.09
(1,689)	1:69:A:MET:HE2	1:58:A:VAL:H	9	1.85	0.61	2.09
(1,689)	1:69:A:MET:HE3	1:58:A:VAL:H	9	1.85	0.61	2.09
(1,1058)	1:45:A:ASP:HA	1:48:A:VAL:HB	9	1.79	0.82	2.32
(1,1129)	1:137:A:ALA:HB1	1:140:A:TYR:HE1	9	1.76	0.94	1.06
(1,1129)	1:137:A:ALA:HB2	1:140:A:TYR:HE1	9	1.76	0.94	1.06
(1,1129)	1:137:A:ALA:HB3	1:140:A:TYR:HE1	9	1.76	0.94	1.06
(1,1132)	1:127:A:VAL:HA	1:139:A:PHE:HD1	9	1.75	0.73	2.04
(1,1138)	1:111:A:ILE:CG2	1:20:A:PHE:HD1	9	1.56	0.82	1.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1190)	1:20:A:PHE:HD1	1:111:A:ILE:CG2	9	1.56	0.82	1.79
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD11	9	1.47	0.81	1.35
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD12	9	1.47	0.81	1.35
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD13	9	1.47	0.81	1.35
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB1	9	1.46	0.43	1.51
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB2	9	1.46	0.43	1.51
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB3	9	1.46	0.43	1.51
(1,724)	1:29:A:LEU:HD11	1:95:A:ASN:H	9	1.35	0.43	1.46
(1,724)	1:29:A:LEU:HD12	1:95:A:ASN:H	9	1.35	0.43	1.46
(1,724)	1:29:A:LEU:HD13	1:95:A:ASN:H	9	1.35	0.43	1.46
(1,710)	1:101:A:ILE:HD11	1:58:A:VAL:H	9	1.31	0.58	1.65
(1,710)	1:101:A:ILE:HD12	1:58:A:VAL:H	9	1.31	0.58	1.65
(1,710)	1:101:A:ILE:HD13	1:58:A:VAL:H	9	1.31	0.58	1.65
(1,709)	1:97:A:ILE:HG21	1:55:A:ALA:H	9	1.23	0.34	1.32
(1,709)	1:97:A:ILE:HG22	1:55:A:ALA:H	9	1.23	0.34	1.32
(1,709)	1:97:A:ILE:HG23	1:55:A:ALA:H	9	1.23	0.34	1.32
(1,534)	1:97:A:ILE:HD11	1:96:A:ALA:H	9	1.21	0.54	1.49
(1,534)	1:97:A:ILE:HD12	1:96:A:ALA:H	9	1.21	0.54	1.49
(1,534)	1:97:A:ILE:HD13	1:96:A:ALA:H	9	1.21	0.54	1.49
(1,1173)	1:100:A:ALA:HB1	1:79:A:TYR:HE1	9	1.14	0.7	1.04
(1,1173)	1:100:A:ALA:HB2	1:79:A:TYR:HE1	9	1.14	0.7	1.04
(1,1173)	1:100:A:ALA:HB3	1:79:A:TYR:HE1	9	1.14	0.7	1.04
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB1	9	1.14	0.7	1.04
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB2	9	1.14	0.7	1.04
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB3	9	1.14	0.7	1.04
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG21	9	1.1	0.03	1.11
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG22	9	1.1	0.03	1.11
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG23	9	1.1	0.03	1.11
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG21	9	1.1	0.03	1.11
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG22	9	1.1	0.03	1.11
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG23	9	1.1	0.03	1.11
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG21	9	1.1	0.03	1.11
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG22	9	1.1	0.03	1.11
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG23	9	1.1	0.03	1.11
(1,682)	1:111:A:ILE:HD11	1:116:A:ALA:H	9	1.1	0.82	0.71
(1,682)	1:111:A:ILE:HD12	1:116:A:ALA:H	9	1.1	0.82	0.71
(1,682)	1:111:A:ILE:HD13	1:116:A:ALA:H	9	1.1	0.82	0.71
(1,660)	1:68:A:ALA:HB1	1:64:A:LEU:H	9	1.05	0.58	0.7
(1,660)	1:68:A:ALA:HB2	1:64:A:LEU:H	9	1.05	0.58	0.7
(1,660)	1:68:A:ALA:HB3	1:64:A:LEU:H	9	1.05	0.58	0.7
(1,685)	1:111:A:ILE:HD11	1:105:A:LEU:H	9	1.04	0.57	0.88
(1,685)	1:111:A:ILE:HD12	1:105:A:LEU:H	9	1.04	0.57	0.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,685)	1:111:A:ILE:HD13	1:105:A:LEU:H	9	1.04	0.57	0.88
(1,1077)	1:38:A:ILE:HD11	1:93:A:TYR:HE1	9	0.93	0.61	0.73
(1,1077)	1:38:A:ILE:HD12	1:93:A:TYR:HE1	9	0.93	0.61	0.73
(1,1077)	1:38:A:ILE:HD13	1:93:A:TYR:HE1	9	0.93	0.61	0.73
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD11	9	0.93	0.61	0.73
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD12	9	0.93	0.61	0.73
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD13	9	0.93	0.61	0.73
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD11	9	0.9	0.64	0.95
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD12	9	0.9	0.64	0.95
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD13	9	0.9	0.64	0.95
(1,1120)	1:38:A:ILE:HD11	1:93:A:TYR:HD1	9	0.9	0.64	0.95
(1,1120)	1:38:A:ILE:HD12	1:93:A:TYR:HD1	9	0.9	0.64	0.95
(1,1120)	1:38:A:ILE:HD13	1:93:A:TYR:HD1	9	0.9	0.64	0.95
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE1	9	0.89	0.47	0.99
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE2	9	0.89	0.47	0.99
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE3	9	0.89	0.47	0.99
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG11	9	0.85	0.15	0.85
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG12	9	0.85	0.15	0.85
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG13	9	0.85	0.15	0.85
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG11	9	0.85	0.15	0.85
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG12	9	0.85	0.15	0.85
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG13	9	0.85	0.15	0.85
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG11	9	0.85	0.15	0.85
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG12	9	0.85	0.15	0.85
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG13	9	0.85	0.15	0.85
(1,785)	1:100:A:ALA:HB1	1:79:A:TYR:HD1	9	0.85	0.6	0.6
(1,785)	1:100:A:ALA:HB2	1:79:A:TYR:HD1	9	0.85	0.6	0.6
(1,785)	1:100:A:ALA:HB3	1:79:A:TYR:HD1	9	0.85	0.6	0.6
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB1	9	0.85	0.6	0.6
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB2	9	0.85	0.6	0.6
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB3	9	0.85	0.6	0.6
(1,867)	1:87:A:ILE:HG21	1:83:A:LEU:HB2	9	0.8	0.31	0.98
(1,867)	1:87:A:ILE:HG22	1:83:A:LEU:HB2	9	0.8	0.31	0.98
(1,867)	1:87:A:ILE:HG23	1:83:A:LEU:HB2	9	0.8	0.31	0.98
(1,138)	1:105:A:LEU:HG	1:105:A:LEU:H	9	0.76	0.19	0.82
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG21	9	0.76	0.23	0.74
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG22	9	0.76	0.23	0.74
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG23	9	0.76	0.23	0.74
(1,1180)	1:41:A:THR:HG21	1:87:A:ILE:HB	9	0.76	0.23	0.74
(1,1180)	1:41:A:THR:HG22	1:87:A:ILE:HB	9	0.76	0.23	0.74
(1,1180)	1:41:A:THR:HG23	1:87:A:ILE:HB	9	0.76	0.23	0.74
(1,732)	1:116:A:ALA:HB1	1:20:A:PHE:H	9	0.67	0.34	0.51

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,732)	1:116:A:ALA:HB2	1:20:A:PHE:H	9	0.67	0.34	0.51
(1,732)	1:116:A:ALA:HB3	1:20:A:PHE:H	9	0.67	0.34	0.51
(1,659)	1:52:A:THR:HG21	1:56:A:GLN:H	9	0.55	0.12	0.55
(1,659)	1:52:A:THR:HG22	1:56:A:GLN:H	9	0.55	0.12	0.55
(1,659)	1:52:A:THR:HG23	1:56:A:GLN:H	9	0.55	0.12	0.55
(1,366)	1:52:A:THR:HB	1:53:A:SER:H	9	0.55	0.1	0.59
(1,144)	1:35:A:VAL:HB	1:35:A:VAL:H	9	0.23	0.0	0.23
(1,1121)	1:80:A:VAL:HG21	1:93:A:TYR:HD1	8	1.81	1.3	1.02
(1,1121)	1:80:A:VAL:HG22	1:93:A:TYR:HD1	8	1.81	1.3	1.02
(1,1121)	1:80:A:VAL:HG23	1:93:A:TYR:HD1	8	1.81	1.3	1.02
(1,1124)	1:138:A:VAL:HG21	1:139:A:PHE:HD1	8	1.67	1.0	1.58
(1,1124)	1:138:A:VAL:HG22	1:139:A:PHE:HD1	8	1.67	1.0	1.58
(1,1124)	1:138:A:VAL:HG23	1:139:A:PHE:HD1	8	1.67	1.0	1.58
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG21	8	1.67	1.0	1.58
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG22	8	1.67	1.0	1.58
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG23	8	1.67	1.0	1.58
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG21	8	1.56	0.84	1.62
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG22	8	1.56	0.84	1.62
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG23	8	1.56	0.84	1.62
(1,713)	1:97:A:ILE:HD11	1:51:A:ALA:H	8	1.46	0.55	1.5
(1,713)	1:97:A:ILE:HD12	1:51:A:ALA:H	8	1.46	0.55	1.5
(1,713)	1:97:A:ILE:HD13	1:51:A:ALA:H	8	1.46	0.55	1.5
(1,1075)	1:38:A:ILE:HG21	1:93:A:TYR:HE1	8	1.46	0.74	1.72
(1,1075)	1:38:A:ILE:HG22	1:93:A:TYR:HE1	8	1.46	0.74	1.72
(1,1075)	1:38:A:ILE:HG23	1:93:A:TYR:HE1	8	1.46	0.74	1.72
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG21	8	1.46	0.74	1.72
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG22	8	1.46	0.74	1.72
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG23	8	1.46	0.74	1.72
(1,669)	1:127:A:VAL:HG21	1:131:A:LEU:H	8	1.43	0.66	1.34
(1,669)	1:127:A:VAL:HG22	1:131:A:LEU:H	8	1.43	0.66	1.34
(1,669)	1:127:A:VAL:HG23	1:131:A:LEU:H	8	1.43	0.66	1.34
(1,699)	1:76:A:VAL:HG21	1:100:A:ALA:H	8	1.35	0.66	1.23
(1,699)	1:76:A:VAL:HG22	1:100:A:ALA:H	8	1.35	0.66	1.23
(1,699)	1:76:A:VAL:HG23	1:100:A:ALA:H	8	1.35	0.66	1.23
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG11	8	1.33	0.41	1.3
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG12	8	1.33	0.41	1.3
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG13	8	1.33	0.41	1.3
(1,690)	1:72:A:LEU:HD11	1:59:A:GLY:H	8	1.24	0.65	1.0
(1,690)	1:72:A:LEU:HD12	1:59:A:GLY:H	8	1.24	0.65	1.0
(1,690)	1:72:A:LEU:HD13	1:59:A:GLY:H	8	1.24	0.65	1.0
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG11	8	1.2	0.46	1.18
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG12	8	1.2	0.46	1.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG13	8	1.2	0.46	1.18
(1,661)	1:69:A:MET:HE1	1:65:A:ASP:H	8	1.14	0.75	1.21
(1,661)	1:69:A:MET:HE2	1:65:A:ASP:H	8	1.14	0.75	1.21
(1,661)	1:69:A:MET:HE3	1:65:A:ASP:H	8	1.14	0.75	1.21
(1,708)	1:87:A:ILE:HD11	1:47:A:ALA:H	8	1.12	0.58	1.21
(1,708)	1:87:A:ILE:HD12	1:47:A:ALA:H	8	1.12	0.58	1.21
(1,708)	1:87:A:ILE:HD13	1:47:A:ALA:H	8	1.12	0.58	1.21
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG21	8	1.12	0.83	1.16
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG22	8	1.12	0.83	1.16
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG23	8	1.12	0.83	1.16
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG21	8	1.12	0.83	1.16
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG22	8	1.12	0.83	1.16
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG23	8	1.12	0.83	1.16
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG21	8	1.12	0.83	1.16
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG22	8	1.12	0.83	1.16
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG23	8	1.12	0.83	1.16
(1,1170)	1:80:A:VAL:HG11	1:79:A:TYR:HD1	8	1.02	0.27	1.08
(1,1170)	1:80:A:VAL:HG12	1:79:A:TYR:HD1	8	1.02	0.27	1.08
(1,1170)	1:80:A:VAL:HG13	1:79:A:TYR:HD1	8	1.02	0.27	1.08
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG21	8	0.97	0.64	0.67
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG22	8	0.97	0.64	0.67
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG23	8	0.97	0.64	0.67
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG21	8	0.97	0.64	0.67
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG22	8	0.97	0.64	0.67
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG23	8	0.97	0.64	0.67
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG11	8	0.93	0.39	0.95
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG12	8	0.93	0.39	0.95
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG13	8	0.93	0.39	0.95
(1,787)	1:50:A:VAL:HG11	1:140:A:TYR:HD1	8	0.93	0.39	0.95
(1,787)	1:50:A:VAL:HG12	1:140:A:TYR:HD1	8	0.93	0.39	0.95
(1,787)	1:50:A:VAL:HG13	1:140:A:TYR:HD1	8	0.93	0.39	0.95
(1,1116)	1:127:A:VAL:HG21	1:34:A:PHE:HD1	8	0.9	0.46	1.02
(1,1116)	1:127:A:VAL:HG22	1:34:A:PHE:HD1	8	0.9	0.46	1.02
(1,1116)	1:127:A:VAL:HG23	1:34:A:PHE:HD1	8	0.9	0.46	1.02
(1,549)	1:29:A:LEU:HD21	1:31:A:SER:H	8	0.88	0.35	1.08
(1,549)	1:29:A:LEU:HD22	1:31:A:SER:H	8	0.88	0.35	1.08
(1,549)	1:29:A:LEU:HD23	1:31:A:SER:H	8	0.88	0.35	1.08
(1,695)	1:100:A:ALA:HB1	1:79:A:TYR:H	8	0.86	0.45	0.95
(1,695)	1:100:A:ALA:HB2	1:79:A:TYR:H	8	0.86	0.45	0.95
(1,695)	1:100:A:ALA:HB3	1:79:A:TYR:H	8	0.86	0.45	0.95
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD11	8	0.86	0.31	1.0
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD12	8	0.86	0.31	1.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD13	8	0.86	0.31	1.0
(1,801)	1:119:A:ALA:HB1	1:20:A:PHE:HD1	8	0.84	0.5	0.9
(1,801)	1:119:A:ALA:HB2	1:20:A:PHE:HD1	8	0.84	0.5	0.9
(1,801)	1:119:A:ALA:HB3	1:20:A:PHE:HD1	8	0.84	0.5	0.9
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB1	8	0.84	0.5	0.9
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB2	8	0.84	0.5	0.9
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB3	8	0.84	0.5	0.9
(1,516)	1:58:A:VAL:HB	1:57:A:ASN:H	8	0.78	0.53	0.78
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD11	8	0.76	0.32	0.86
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD12	8	0.76	0.32	0.86
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD13	8	0.76	0.32	0.86
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD11	8	0.76	0.32	0.86
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD12	8	0.76	0.32	0.86
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD13	8	0.76	0.32	0.86
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD11	8	0.76	0.32	0.86
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD12	8	0.76	0.32	0.86
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD13	8	0.76	0.32	0.86
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD11	8	0.7	0.31	0.76
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD12	8	0.7	0.31	0.76
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD13	8	0.7	0.31	0.76
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD11	8	0.7	0.31	0.76
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD12	8	0.7	0.31	0.76
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD13	8	0.7	0.31	0.76
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD11	8	0.7	0.31	0.76
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD12	8	0.7	0.31	0.76
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD13	8	0.7	0.31	0.76
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG21	8	0.66	0.25	0.67
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG22	8	0.66	0.25	0.67
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG23	8	0.66	0.25	0.67
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG21	8	0.66	0.25	0.67
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG22	8	0.66	0.25	0.67
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG23	8	0.66	0.25	0.67
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG21	8	0.66	0.25	0.67
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG22	8	0.66	0.25	0.67
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG23	8	0.66	0.25	0.67
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD11	8	0.66	0.25	0.67
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD12	8	0.66	0.25	0.67
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD13	8	0.66	0.25	0.67
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD11	8	0.66	0.25	0.67
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD12	8	0.66	0.25	0.67
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD13	8	0.66	0.25	0.67
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD11	8	0.66	0.25	0.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD12	8	0.66	0.25	0.67
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD13	8	0.66	0.25	0.67
(1,1064)	1:51:A:ALA:HA	1:54:A:VAL:HB	8	0.56	0.24	0.62
(1,489)	1:58:A:VAL:HB	1:59:A:GLY:H	8	0.48	0.12	0.5
(1,85)	1:46:A:GLN:HG2	1:46:A:GLN:H	8	0.34	0.13	0.34
(1,85)	1:46:A:GLN:HG3	1:46:A:GLN:H	8	0.34	0.13	0.34
(1,539)	1:140:A:TYR:HD1	1:141:A:ALA:H	8	0.25	0.1	0.22
(1,268)	1:52:A:THR:HB	1:52:A:THR:H	8	0.24	0.02	0.25
(1,178)	1:80:A:VAL:HB	1:80:A:VAL:H	8	0.23	0.0	0.23
(1,1130)	1:83:A:LEU:HD21	1:79:A:TYR:HE1	7	2.75	0.25	2.85
(1,1130)	1:83:A:LEU:HD22	1:79:A:TYR:HE1	7	2.75	0.25	2.85
(1,1130)	1:83:A:LEU:HD23	1:79:A:TYR:HE1	7	2.75	0.25	2.85
(1,662)	1:73:A:LEU:HD11	1:69:A:MET:H	7	2.38	1.02	2.35
(1,662)	1:73:A:LEU:HD12	1:69:A:MET:H	7	2.38	1.02	2.35
(1,662)	1:73:A:LEU:HD13	1:69:A:MET:H	7	2.38	1.02	2.35
(1,1174)	1:96:A:ALA:HA	1:79:A:TYR:HE1	7	2.21	0.34	2.34
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG21	7	2.06	0.18	2.07
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG22	7	2.06	0.18	2.07
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG23	7	2.06	0.18	2.07
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG21	7	1.98	0.91	2.51
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG22	7	1.98	0.91	2.51
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG23	7	1.98	0.91	2.51
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG11	7	1.46	0.2	1.45
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG12	7	1.46	0.2	1.45
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG13	7	1.46	0.2	1.45
(1,990)	1:116:A:ALA:HA	1:111:A:ILE:CG2	7	1.34	0.8	1.38
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB1	7	1.3	0.48	1.51
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB2	7	1.3	0.48	1.51
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB3	7	1.3	0.48	1.51
(1,1127)	1:137:A:ALA:HB1	1:140:A:TYR:HD1	7	1.19	0.66	0.98
(1,1127)	1:137:A:ALA:HB2	1:140:A:TYR:HD1	7	1.19	0.66	0.98
(1,1127)	1:137:A:ALA:HB3	1:140:A:TYR:HD1	7	1.19	0.66	0.98
(1,1067)	1:96:A:ALA:HB1	1:79:A:TYR:HE1	7	1.16	0.31	1.02
(1,1067)	1:96:A:ALA:HB2	1:79:A:TYR:HE1	7	1.16	0.31	1.02
(1,1067)	1:96:A:ALA:HB3	1:79:A:TYR:HE1	7	1.16	0.31	1.02
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG11	7	1.08	0.03	1.08
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG12	7	1.08	0.03	1.08
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG13	7	1.08	0.03	1.08
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG11	7	1.08	0.03	1.08
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG12	7	1.08	0.03	1.08
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG13	7	1.08	0.03	1.08
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG11	7	1.08	0.03	1.08

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG12	7	1.08	0.03	1.08
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG13	7	1.08	0.03	1.08
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG21	7	0.99	0.09	1.01
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG22	7	0.99	0.09	1.01
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG23	7	0.99	0.09	1.01
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG21	7	0.88	0.28	0.99
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG22	7	0.88	0.28	0.99
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG23	7	0.88	0.28	0.99
(1,721)	1:29:A:LEU:HD21	1:92:A:ALA:H	7	0.87	0.68	0.66
(1,721)	1:29:A:LEU:HD22	1:92:A:ALA:H	7	0.87	0.68	0.66
(1,721)	1:29:A:LEU:HD23	1:92:A:ALA:H	7	0.87	0.68	0.66
(1,1122)	1:54:A:VAL:HG11	1:139:A:PHE:HD1	7	0.85	0.59	0.67
(1,1122)	1:54:A:VAL:HG12	1:139:A:PHE:HD1	7	0.85	0.59	0.67
(1,1122)	1:54:A:VAL:HG13	1:139:A:PHE:HD1	7	0.85	0.59	0.67
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG11	7	0.85	0.59	0.67
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG12	7	0.85	0.59	0.67
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG13	7	0.85	0.59	0.67
(1,786)	1:92:A:ALA:HB1	1:93:A:TYR:HD1	7	0.83	0.34	1.09
(1,786)	1:92:A:ALA:HB2	1:93:A:TYR:HD1	7	0.83	0.34	1.09
(1,786)	1:92:A:ALA:HB3	1:93:A:TYR:HD1	7	0.83	0.34	1.09
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD21	7	0.79	0.23	0.74
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD22	7	0.79	0.23	0.74
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD23	7	0.79	0.23	0.74
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD21	7	0.79	0.23	0.74
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD22	7	0.79	0.23	0.74
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD23	7	0.79	0.23	0.74
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD21	7	0.79	0.23	0.74
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD22	7	0.79	0.23	0.74
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD23	7	0.79	0.23	0.74
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB1	7	0.79	0.23	0.74
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB2	7	0.79	0.23	0.74
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB3	7	0.79	0.23	0.74
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB1	7	0.79	0.23	0.74
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB2	7	0.79	0.23	0.74
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB3	7	0.79	0.23	0.74
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB1	7	0.79	0.23	0.74
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB2	7	0.79	0.23	0.74
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB3	7	0.79	0.23	0.74
(1,323)	1:130:A:THR:HB	1:131:A:LEU:H	7	0.78	0.36	0.98
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD11	7	0.74	0.25	0.63
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD12	7	0.74	0.25	0.63
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD13	7	0.74	0.25	0.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD11	7	0.74	0.25	0.63
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD12	7	0.74	0.25	0.63
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD13	7	0.74	0.25	0.63
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD11	7	0.74	0.25	0.63
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD12	7	0.74	0.25	0.63
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD13	7	0.74	0.25	0.63
(1,211)	1:62:A:LEU:HG	1:62:A:LEU:H	7	0.68	0.18	0.77
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB1	7	0.68	0.27	0.65
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB2	7	0.68	0.27	0.65
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB3	7	0.68	0.27	0.65
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB1	7	0.68	0.27	0.65
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB2	7	0.68	0.27	0.65
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB3	7	0.68	0.27	0.65
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB1	7	0.68	0.27	0.65
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB2	7	0.68	0.27	0.65
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB3	7	0.68	0.27	0.65
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD11	7	0.68	0.27	0.65
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD12	7	0.68	0.27	0.65
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD13	7	0.68	0.27	0.65
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD11	7	0.68	0.27	0.65
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD12	7	0.68	0.27	0.65
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD13	7	0.68	0.27	0.65
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD11	7	0.68	0.27	0.65
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD12	7	0.68	0.27	0.65
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD13	7	0.68	0.27	0.65
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB2	7	0.67	0.27	0.69
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB3	7	0.67	0.27	0.69
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB2	7	0.67	0.27	0.69
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB3	7	0.67	0.27	0.69
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB2	7	0.67	0.27	0.69
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB3	7	0.67	0.27	0.69
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD11	7	0.57	0.24	0.55
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD12	7	0.57	0.24	0.55
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD13	7	0.57	0.24	0.55
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD11	7	0.57	0.24	0.55
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD12	7	0.57	0.24	0.55
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD13	7	0.57	0.24	0.55
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD11	7	0.57	0.24	0.55
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD12	7	0.57	0.24	0.55
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD13	7	0.57	0.24	0.55
(1,675)	1:101:A:ILE:HG21	1:105:A:LEU:H	7	0.56	0.21	0.59
(1,675)	1:101:A:ILE:HG22	1:105:A:LEU:H	7	0.56	0.21	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,675)	1:101:A:ILE:HG23	1:105:A:LEU:H	7	0.56	0.21	0.59
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB1	7	0.55	0.2	0.49
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB2	7	0.55	0.2	0.49
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB3	7	0.55	0.2	0.49
(1,381)	1:48:A:VAL:HB	1:49:A:SER:H	7	0.55	0.04	0.54
(1,394)	1:104:A:VAL:HB	1:105:A:LEU:H	7	0.45	0.13	0.35
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD21	7	0.44	0.03	0.42
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD22	7	0.44	0.03	0.42
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD23	7	0.44	0.03	0.42
(1,97)	1:36:A:GLN:HG2	1:36:A:GLN:H	7	0.41	0.13	0.34
(1,97)	1:36:A:GLN:HG3	1:36:A:GLN:H	7	0.41	0.13	0.34
(1,531)	1:34:A:PHE:HD1	1:35:A:VAL:H	7	0.35	0.1	0.36
(1,640)	1:101:A:ILE:HG21	1:104:A:VAL:H	7	0.33	0.1	0.31
(1,640)	1:101:A:ILE:HG22	1:104:A:VAL:H	7	0.33	0.1	0.31
(1,640)	1:101:A:ILE:HG23	1:104:A:VAL:H	7	0.33	0.1	0.31
(1,674)	1:100:A:ALA:HB1	1:104:A:VAL:H	7	0.24	0.16	0.13
(1,674)	1:100:A:ALA:HB2	1:104:A:VAL:H	7	0.24	0.16	0.13
(1,674)	1:100:A:ALA:HB3	1:104:A:VAL:H	7	0.24	0.16	0.13
(1,221)	1:101:A:ILE:HB	1:101:A:ILE:H	7	0.23	0.01	0.24
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD21	6	2.32	0.79	2.37
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD22	6	2.32	0.79	2.37
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD23	6	2.32	0.79	2.37
(1,546)	1:85:A:ASN:HA	1:87:A:ILE:H	6	1.73	0.15	1.75
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG11	6	1.73	0.75	1.56
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG12	6	1.73	0.75	1.56
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG13	6	1.73	0.75	1.56
(1,1066)	1:130:A:THR:HG21	1:134:A:TYR:HE1	6	1.58	0.73	1.61
(1,1066)	1:130:A:THR:HG22	1:134:A:TYR:HE1	6	1.58	0.73	1.61
(1,1066)	1:130:A:THR:HG23	1:134:A:TYR:HE1	6	1.58	0.73	1.61
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG11	6	1.57	0.78	1.27
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG12	6	1.57	0.78	1.27
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG13	6	1.57	0.78	1.27
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG11	6	1.57	0.78	1.27
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG12	6	1.57	0.78	1.27
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG13	6	1.57	0.78	1.27
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG11	6	1.57	0.78	1.27
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG12	6	1.57	0.78	1.27
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG13	6	1.57	0.78	1.27
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB1	6	1.57	0.78	1.27
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB2	6	1.57	0.78	1.27
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB3	6	1.57	0.78	1.27
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB1	6	1.57	0.78	1.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB2	6	1.57	0.78	1.27
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB3	6	1.57	0.78	1.27
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB1	6	1.57	0.78	1.27
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB2	6	1.57	0.78	1.27
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB3	6	1.57	0.78	1.27
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD11	6	1.56	1.05	0.96
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD12	6	1.56	1.05	0.96
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD13	6	1.56	1.05	0.96
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB1	6	1.51	0.94	1.58
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB2	6	1.51	0.94	1.58
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB3	6	1.51	0.94	1.58
(1,988)	1:119:A:ALA:HB1	1:111:A:ILE:CG2	6	1.51	0.94	1.58
(1,988)	1:119:A:ALA:HB2	1:111:A:ILE:CG2	6	1.51	0.94	1.58
(1,988)	1:119:A:ALA:HB3	1:111:A:ILE:CG2	6	1.51	0.94	1.58
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB2	6	1.42	0.79	1.01
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB3	6	1.42	0.79	1.01
(1,576)	1:128:A:THR:HA	1:131:A:LEU:H	6	1.33	0.79	1.04
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG2	6	1.01	0.5	0.87
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG3	6	1.01	0.5	0.87
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB1	6	0.94	0.56	0.78
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB2	6	0.94	0.56	0.78
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB3	6	0.94	0.56	0.78
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB1	6	0.94	0.56	0.78
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB2	6	0.94	0.56	0.78
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB3	6	0.94	0.56	0.78
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB1	6	0.94	0.56	0.78
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB2	6	0.94	0.56	0.78
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB3	6	0.94	0.56	0.78
(1,604)	1:46:A:GLN:HB2	1:43:A:SER:H	6	0.94	0.34	0.8
(1,604)	1:46:A:GLN:HB3	1:43:A:SER:H	6	0.94	0.34	0.8
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB1	6	0.87	0.23	0.97
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB2	6	0.87	0.23	0.97
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB3	6	0.87	0.23	0.97
(1,436)	1:111:A:ILE:HB	1:112:A:SER:H	6	0.86	0.25	0.84
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD11	6	0.79	0.6	0.6
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD12	6	0.79	0.6	0.6
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD13	6	0.79	0.6	0.6
(1,1137)	1:111:A:ILE:HD11	1:20:A:PHE:HD1	6	0.79	0.6	0.6
(1,1137)	1:111:A:ILE:HD12	1:20:A:PHE:HD1	6	0.79	0.6	0.6
(1,1137)	1:111:A:ILE:HD13	1:20:A:PHE:HD1	6	0.79	0.6	0.6
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG11	6	0.78	0.28	0.87
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG12	6	0.78	0.28	0.87

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG13	6	0.78	0.28	0.87
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG11	6	0.78	0.28	0.87
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG12	6	0.78	0.28	0.87
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG13	6	0.78	0.28	0.87
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG11	6	0.78	0.28	0.87
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG12	6	0.78	0.28	0.87
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG13	6	0.78	0.28	0.87
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG21	6	0.78	0.28	0.87
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG22	6	0.78	0.28	0.87
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG23	6	0.78	0.28	0.87
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG21	6	0.78	0.28	0.87
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG22	6	0.78	0.28	0.87
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG23	6	0.78	0.28	0.87
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG21	6	0.78	0.28	0.87
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG22	6	0.78	0.28	0.87
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG23	6	0.78	0.28	0.87
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG21	6	0.74	0.32	0.9
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG22	6	0.74	0.32	0.9
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG23	6	0.74	0.32	0.9
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG21	6	0.74	0.32	0.9
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG22	6	0.74	0.32	0.9
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG23	6	0.74	0.32	0.9
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG21	6	0.74	0.32	0.9
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG22	6	0.74	0.32	0.9
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG23	6	0.74	0.32	0.9
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE1	6	0.74	0.32	0.9
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE2	6	0.74	0.32	0.9
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE3	6	0.74	0.32	0.9
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE1	6	0.74	0.32	0.9
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE2	6	0.74	0.32	0.9
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE3	6	0.74	0.32	0.9
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE1	6	0.74	0.32	0.9
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE2	6	0.74	0.32	0.9
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE3	6	0.74	0.32	0.9
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB1	6	0.73	0.27	0.8
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB2	6	0.73	0.27	0.8
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB3	6	0.73	0.27	0.8
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB1	6	0.73	0.27	0.8
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB2	6	0.73	0.27	0.8
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB3	6	0.73	0.27	0.8
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB1	6	0.73	0.27	0.8
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB2	6	0.73	0.27	0.8

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB3	6	0.73	0.27	0.8
(1,651)	1:48:A:VAL:HG11	1:52:A:THR:H	6	0.7	0.15	0.72
(1,651)	1:48:A:VAL:HG12	1:52:A:THR:H	6	0.7	0.15	0.72
(1,651)	1:48:A:VAL:HG13	1:52:A:THR:H	6	0.7	0.15	0.72
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB1	6	0.68	0.3	0.81
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB2	6	0.68	0.3	0.81
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB3	6	0.68	0.3	0.81
(1,1181)	1:97:A:ILE:HD11	1:93:A:TYR:HD1	6	0.66	0.25	0.67
(1,1181)	1:97:A:ILE:HD12	1:93:A:TYR:HD1	6	0.66	0.25	0.67
(1,1181)	1:97:A:ILE:HD13	1:93:A:TYR:HD1	6	0.66	0.25	0.67
(1,1118)	1:54:A:VAL:HG11	1:34:A:PHE:HD1	6	0.66	0.21	0.76
(1,1118)	1:54:A:VAL:HG12	1:34:A:PHE:HD1	6	0.66	0.21	0.76
(1,1118)	1:54:A:VAL:HG13	1:34:A:PHE:HD1	6	0.66	0.21	0.76
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG21	6	0.62	0.32	0.57
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG22	6	0.62	0.32	0.57
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG23	6	0.62	0.32	0.57
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG21	6	0.62	0.32	0.57
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG22	6	0.62	0.32	0.57
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG23	6	0.62	0.32	0.57
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG21	6	0.62	0.32	0.57
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG22	6	0.62	0.32	0.57
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG23	6	0.62	0.32	0.57
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG21	6	0.62	0.32	0.57
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG22	6	0.62	0.32	0.57
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG23	6	0.62	0.32	0.57
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG21	6	0.62	0.32	0.57
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG22	6	0.62	0.32	0.57
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG23	6	0.62	0.32	0.57
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG21	6	0.62	0.32	0.57
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG22	6	0.62	0.32	0.57
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG23	6	0.62	0.32	0.57
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD11	6	0.58	0.24	0.56
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD12	6	0.58	0.24	0.56
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD13	6	0.58	0.24	0.56
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE1	6	0.56	0.29	0.55
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE2	6	0.56	0.29	0.55
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE3	6	0.56	0.29	0.55
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE1	6	0.56	0.29	0.55
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE2	6	0.56	0.29	0.55
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE3	6	0.56	0.29	0.55
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE1	6	0.56	0.29	0.55
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE2	6	0.56	0.29	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE3	6	0.56	0.29	0.55
(1,358)	1:44:A:THR:HB	1:45:A:ASP:H	6	0.5	0.15	0.56
(1,621)	1:52:A:THR:HG21	1:55:A:ALA:H	6	0.14	0.04	0.14
(1,621)	1:52:A:THR:HG22	1:55:A:ALA:H	6	0.14	0.04	0.14
(1,621)	1:52:A:THR:HG23	1:55:A:ALA:H	6	0.14	0.04	0.14
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE1	5	1.38	0.6	1.63
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE2	5	1.38	0.6	1.63
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE3	5	1.38	0.6	1.63
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE1	5	1.38	0.6	1.63
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE2	5	1.38	0.6	1.63
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE3	5	1.38	0.6	1.63
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD11	5	1.34	0.89	0.96
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD12	5	1.34	0.89	0.96
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD13	5	1.34	0.89	0.96
(1,1207)	1:131:A:LEU:HD11	1:139:A:PHE:HE1	5	1.33	0.55	1.72
(1,1207)	1:131:A:LEU:HD12	1:139:A:PHE:HE1	5	1.33	0.55	1.72
(1,1207)	1:131:A:LEU:HD13	1:139:A:PHE:HE1	5	1.33	0.55	1.72
(1,1207)	1:131:A:LEU:HD21	1:139:A:PHE:HE1	5	1.33	0.55	1.72
(1,1207)	1:131:A:LEU:HD22	1:139:A:PHE:HE1	5	1.33	0.55	1.72
(1,1207)	1:131:A:LEU:HD23	1:139:A:PHE:HE1	5	1.33	0.55	1.72
(1,151)	1:64:A:LEU:HG	1:64:A:LEU:H	5	1.14	0.43	1.09
(1,1123)	1:50:A:VAL:HG21	1:139:A:PHE:HD1	5	1.13	0.54	1.01
(1,1123)	1:50:A:VAL:HG22	1:139:A:PHE:HD1	5	1.13	0.54	1.01
(1,1123)	1:50:A:VAL:HG23	1:139:A:PHE:HD1	5	1.13	0.54	1.01
(1,678)	1:69:A:MET:HE1	1:64:A:LEU:H	5	1.07	0.44	0.89
(1,678)	1:69:A:MET:HE2	1:64:A:LEU:H	5	1.07	0.44	0.89
(1,678)	1:69:A:MET:HE3	1:64:A:LEU:H	5	1.07	0.44	0.89
(1,727)	1:111:A:ILE:HD11	1:20:A:PHE:H	5	1.05	0.34	1.17
(1,727)	1:111:A:ILE:HD12	1:20:A:PHE:H	5	1.05	0.34	1.17
(1,727)	1:111:A:ILE:HD13	1:20:A:PHE:H	5	1.05	0.34	1.17
(1,700)	1:76:A:VAL:HG11	1:101:A:ILE:H	5	0.99	0.6	1.38
(1,700)	1:76:A:VAL:HG12	1:101:A:ILE:H	5	0.99	0.6	1.38
(1,700)	1:76:A:VAL:HG13	1:101:A:ILE:H	5	0.99	0.6	1.38
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG11	5	0.98	0.08	0.96
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG12	5	0.98	0.08	0.96
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG13	5	0.98	0.08	0.96
(1,1147)	1:127:A:VAL:HG21	1:34:A:PHE:HE1	5	0.95	0.34	1.0
(1,1147)	1:127:A:VAL:HG22	1:34:A:PHE:HE1	5	0.95	0.34	1.0
(1,1147)	1:127:A:VAL:HG23	1:34:A:PHE:HE1	5	0.95	0.34	1.0
(1,163)	1:73:A:LEU:HG	1:73:A:LEU:H	5	0.94	0.15	1.03
(1,75)	1:83:A:LEU:HG	1:83:A:LEU:H	5	0.91	0.36	1.12
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG11	5	0.88	0.71	0.69

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG12	5	0.88	0.71	0.69
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG13	5	0.88	0.71	0.69
(1,1069)	1:50:A:VAL:HG11	1:140:A:TYR:HE1	5	0.88	0.71	0.69
(1,1069)	1:50:A:VAL:HG12	1:140:A:TYR:HE1	5	0.88	0.71	0.69
(1,1069)	1:50:A:VAL:HG13	1:140:A:TYR:HE1	5	0.88	0.71	0.69
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE1	5	0.77	0.32	0.88
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE2	5	0.77	0.32	0.88
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE3	5	0.77	0.32	0.88
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE1	5	0.77	0.32	0.88
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE2	5	0.77	0.32	0.88
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE3	5	0.77	0.32	0.88
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE1	5	0.76	0.23	0.8
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE2	5	0.76	0.23	0.8
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE3	5	0.76	0.23	0.8
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE1	5	0.76	0.23	0.8
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE2	5	0.76	0.23	0.8
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE3	5	0.76	0.23	0.8
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE1	5	0.76	0.23	0.8
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE2	5	0.76	0.23	0.8
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE3	5	0.76	0.23	0.8
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG21	5	0.74	0.21	0.65
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG22	5	0.74	0.21	0.65
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG23	5	0.74	0.21	0.65
(1,991)	1:62:A:LEU:HD11	1:111:A:ILE:CG2	5	0.73	0.26	0.77
(1,991)	1:62:A:LEU:HD12	1:111:A:ILE:CG2	5	0.73	0.26	0.77
(1,991)	1:62:A:LEU:HD13	1:111:A:ILE:CG2	5	0.73	0.26	0.77
(1,684)	1:41:A:THR:HB	1:47:A:ALA:H	5	0.6	0.34	0.42
(1,1183)	1:87:A:ILE:HG21	1:93:A:TYR:HE1	5	0.58	0.48	0.37
(1,1183)	1:87:A:ILE:HG22	1:93:A:TYR:HE1	5	0.58	0.48	0.37
(1,1183)	1:87:A:ILE:HG23	1:93:A:TYR:HE1	5	0.58	0.48	0.37
(1,731)	1:124:A:ALA:HB1	1:28:A:LEU:H	5	0.57	0.14	0.54
(1,731)	1:124:A:ALA:HB2	1:28:A:LEU:H	5	0.57	0.14	0.54
(1,731)	1:124:A:ALA:HB3	1:28:A:LEU:H	5	0.57	0.14	0.54
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE1	5	0.54	0.29	0.58
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE2	5	0.54	0.29	0.58
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE3	5	0.54	0.29	0.58
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG21	5	0.49	0.26	0.34
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG22	5	0.49	0.26	0.34
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG23	5	0.49	0.26	0.34
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG21	5	0.49	0.31	0.36
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG22	5	0.49	0.31	0.36
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG23	5	0.49	0.31	0.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,46)	1:61:A:GLN:HG2	1:61:A:GLN:H	5	0.44	0.15	0.51
(1,46)	1:61:A:GLN:HG3	1:61:A:GLN:H	5	0.44	0.15	0.51
(1,82)	1:65:A:ASP:HB3	1:65:A:ASP:H	5	0.4	0.23	0.37
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD11	5	0.38	0.23	0.4
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD12	5	0.38	0.23	0.4
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD13	5	0.38	0.23	0.4
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD11	5	0.38	0.23	0.4
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD12	5	0.38	0.23	0.4
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD13	5	0.38	0.23	0.4
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD11	5	0.38	0.23	0.4
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD12	5	0.38	0.23	0.4
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD13	5	0.38	0.23	0.4
(1,63)	1:48:A:VAL:HB	1:48:A:VAL:H	5	0.23	0.0	0.23
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG11	5	0.15	0.02	0.14
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG12	5	0.15	0.02	0.14
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG13	5	0.15	0.02	0.14
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG11	5	0.15	0.02	0.14
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG12	5	0.15	0.02	0.14
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG13	5	0.15	0.02	0.14
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG11	5	0.15	0.02	0.14
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG12	5	0.15	0.02	0.14
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG13	5	0.15	0.02	0.14
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB1	4	2.38	1.31	2.88
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB2	4	2.38	1.31	2.88
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB3	4	2.38	1.31	2.88
(1,1128)	1:41:A:THR:HG21	1:140:A:TYR:HE1	4	1.64	1.24	1.16
(1,1128)	1:41:A:THR:HG22	1:140:A:TYR:HE1	4	1.64	1.24	1.16
(1,1128)	1:41:A:THR:HG23	1:140:A:TYR:HE1	4	1.64	1.24	1.16
(1,865)	1:127:A:VAL:HG21	1:139:A:PHE:HE1	4	1.35	0.5	1.52
(1,865)	1:127:A:VAL:HG22	1:139:A:PHE:HE1	4	1.35	0.5	1.52
(1,865)	1:127:A:VAL:HG23	1:139:A:PHE:HE1	4	1.35	0.5	1.52
(1,626)	1:83:A:LEU:HD21	1:86:A:ALA:H	4	1.25	0.41	1.05
(1,626)	1:83:A:LEU:HD22	1:86:A:ALA:H	4	1.25	0.41	1.05
(1,626)	1:83:A:LEU:HD23	1:86:A:ALA:H	4	1.25	0.41	1.05
(1,741)	1:130:A:THR:HG21	1:134:A:TYR:HD1	4	1.13	0.19	1.11
(1,741)	1:130:A:THR:HG22	1:134:A:TYR:HD1	4	1.13	0.19	1.11
(1,741)	1:130:A:THR:HG23	1:134:A:TYR:HD1	4	1.13	0.19	1.11
(1,70)	1:79:A:TYR:HD1	1:79:A:TYR:H	4	1.1	0.52	1.36
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD11	4	0.96	0.09	1.0
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD12	4	0.96	0.09	1.0
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD13	4	0.96	0.09	1.0
(1,676)	1:116:A:ALA:HB1	1:120:A:ALA:H	4	0.91	0.38	0.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,676)	1:116:A:ALA:HB2	1:120:A:ALA:H	4	0.91	0.38	0.88
(1,676)	1:116:A:ALA:HB3	1:120:A:ALA:H	4	0.91	0.38	0.88
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD11	4	0.87	0.22	0.98
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD12	4	0.87	0.22	0.98
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD13	4	0.87	0.22	0.98
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD11	4	0.87	0.22	0.98
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD12	4	0.87	0.22	0.98
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD13	4	0.87	0.22	0.98
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD11	4	0.87	0.22	0.98
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD12	4	0.87	0.22	0.98
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD13	4	0.87	0.22	0.98
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG21	4	0.86	0.35	1.02
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG22	4	0.86	0.35	1.02
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG23	4	0.86	0.35	1.02
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG21	4	0.86	0.35	1.02
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG22	4	0.86	0.35	1.02
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG23	4	0.86	0.35	1.02
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG21	4	0.86	0.35	1.02
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG22	4	0.86	0.35	1.02
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG23	4	0.86	0.35	1.02
(1,121)	1:58:A:VAL:HB	1:58:A:VAL:H	4	0.83	0.0	0.83
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG11	4	0.78	0.38	0.97
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG12	4	0.78	0.38	0.97
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG13	4	0.78	0.38	0.97
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG11	4	0.78	0.38	0.97
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG12	4	0.78	0.38	0.97
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG13	4	0.78	0.38	0.97
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG11	4	0.78	0.38	0.97
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG12	4	0.78	0.38	0.97
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG13	4	0.78	0.38	0.97
(1,1056)	1:101:A:ILE:HD11	1:55:A:ALA:HA	4	0.65	0.34	0.71
(1,1056)	1:101:A:ILE:HD12	1:55:A:ALA:HA	4	0.65	0.34	0.71
(1,1056)	1:101:A:ILE:HD13	1:55:A:ALA:HA	4	0.65	0.34	0.71
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD11	4	0.63	0.25	0.6
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD12	4	0.63	0.25	0.6
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD13	4	0.63	0.25	0.6
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD11	4	0.6	0.29	0.6
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD12	4	0.6	0.29	0.6
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD13	4	0.6	0.29	0.6
(1,1076)	1:97:A:ILE:HD11	1:93:A:TYR:HE1	4	0.6	0.29	0.6
(1,1076)	1:97:A:ILE:HD12	1:93:A:TYR:HE1	4	0.6	0.29	0.6
(1,1076)	1:97:A:ILE:HD13	1:93:A:TYR:HE1	4	0.6	0.29	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB1	4	0.58	0.3	0.52
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB2	4	0.58	0.3	0.52
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB3	4	0.58	0.3	0.52
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB1	4	0.58	0.3	0.52
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB2	4	0.58	0.3	0.52
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB3	4	0.58	0.3	0.52
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB1	4	0.58	0.3	0.52
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB2	4	0.58	0.3	0.52
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB3	4	0.58	0.3	0.52
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD11	4	0.58	0.3	0.52
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD12	4	0.58	0.3	0.52
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD13	4	0.58	0.3	0.52
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD11	4	0.58	0.3	0.52
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD12	4	0.58	0.3	0.52
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD13	4	0.58	0.3	0.52
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD11	4	0.58	0.3	0.52
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD12	4	0.58	0.3	0.52
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD13	4	0.58	0.3	0.52
(1,558)	1:58:A:VAL:HG11	1:60:A:ASN:H	4	0.54	0.06	0.55
(1,558)	1:58:A:VAL:HG12	1:60:A:ASN:H	4	0.54	0.06	0.55
(1,558)	1:58:A:VAL:HG13	1:60:A:ASN:H	4	0.54	0.06	0.55
(1,625)	1:83:A:LEU:HB3	1:86:A:ALA:H	4	0.51	0.38	0.37
(1,655)	1:44:A:THR:HA	1:48:A:VAL:H	4	0.5	0.31	0.49
(1,784)	1:96:A:ALA:HB1	1:79:A:TYR:HD1	4	0.45	0.23	0.44
(1,784)	1:96:A:ALA:HB2	1:79:A:TYR:HD1	4	0.45	0.23	0.44
(1,784)	1:96:A:ALA:HB3	1:79:A:TYR:HD1	4	0.45	0.23	0.44
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG11	4	0.39	0.25	0.38
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG12	4	0.39	0.25	0.38
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG13	4	0.39	0.25	0.38
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG11	4	0.39	0.25	0.38
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG12	4	0.39	0.25	0.38
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG13	4	0.39	0.25	0.38
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG11	4	0.39	0.25	0.38
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG12	4	0.39	0.25	0.38
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG13	4	0.39	0.25	0.38
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE1	4	0.39	0.25	0.38
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE2	4	0.39	0.25	0.38
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE3	4	0.39	0.25	0.38
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE1	4	0.39	0.25	0.38
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE2	4	0.39	0.25	0.38
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE3	4	0.39	0.25	0.38
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE1	4	0.39	0.25	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE2	4	0.39	0.25	0.38
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE3	4	0.39	0.25	0.38
(1,55)	1:127:A:VAL:HG11	1:127:A:VAL:H	4	0.37	0.03	0.38
(1,55)	1:127:A:VAL:HG12	1:127:A:VAL:H	4	0.37	0.03	0.38
(1,55)	1:127:A:VAL:HG13	1:127:A:VAL:H	4	0.37	0.03	0.38
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB1	4	0.34	0.16	0.35
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB2	4	0.34	0.16	0.35
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB3	4	0.34	0.16	0.35
(1,1044)	1:69:A:MET:HB2	1:56:A:GLN:HG2	4	0.27	0.07	0.28
(1,1044)	1:69:A:MET:HB2	1:56:A:GLN:HG3	4	0.27	0.07	0.28
(1,1044)	1:69:A:MET:HB3	1:56:A:GLN:HG2	4	0.27	0.07	0.28
(1,1044)	1:69:A:MET:HB3	1:56:A:GLN:HG3	4	0.27	0.07	0.28
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB1	4	0.25	0.17	0.18
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB2	4	0.25	0.17	0.18
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB3	4	0.25	0.17	0.18
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB1	4	0.25	0.17	0.18
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB2	4	0.25	0.17	0.18
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB3	4	0.25	0.17	0.18
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB1	4	0.25	0.17	0.18
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB2	4	0.25	0.17	0.18
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB3	4	0.25	0.17	0.18
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB1	4	0.24	0.08	0.22
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB2	4	0.24	0.08	0.22
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB3	4	0.24	0.08	0.22
(1,131)	1:104:A:VAL:HB	1:104:A:VAL:H	4	0.23	0.0	0.23
(1,116)	1:129:A:THR:HB	1:129:A:THR:H	4	0.22	0.01	0.23
(1,304)	1:140:A:TYR:HA	1:141:A:ALA:H	4	0.17	0.02	0.18
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG21	3	2.98	0.07	2.99
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG22	3	2.98	0.07	2.99
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG23	3	2.98	0.07	2.99
(1,1072)	1:80:A:VAL:HG21	1:93:A:TYR:HE1	3	2.98	0.07	2.99
(1,1072)	1:80:A:VAL:HG22	1:93:A:TYR:HE1	3	2.98	0.07	2.99
(1,1072)	1:80:A:VAL:HG23	1:93:A:TYR:HE1	3	2.98	0.07	2.99
(1,803)	1:137:A:ALA:HA	1:140:A:TYR:HD1	3	2.64	0.27	2.69
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB1	3	2.2	0.29	2.07
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB2	3	2.2	0.29	2.07
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB3	3	2.2	0.29	2.07
(1,1164)	1:140:A:TYR:HE1	1:46:A:GLN:HB2	3	1.46	0.89	1.25
(1,1164)	1:140:A:TYR:HE1	1:46:A:GLN:HB3	3	1.46	0.89	1.25
(1,643)	1:60:A:ASN:HA	1:64:A:LEU:H	3	1.42	0.27	1.39
(1,1206)	1:37:A:MET:HE1	1:139:A:PHE:HD1	3	1.3	1.12	0.81
(1,1206)	1:37:A:MET:HE2	1:139:A:PHE:HD1	3	1.3	1.12	0.81

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1206)	1:37:A:MET:HE3	1:139:A:PHE:HD1	3	1.3	1.12	0.81
(1,728)	1:111:A:ILE:HD11	1:17:A:GLY:H	3	0.98	0.26	1.11
(1,728)	1:111:A:ILE:HD12	1:17:A:GLY:H	3	0.98	0.26	1.11
(1,728)	1:111:A:ILE:HD13	1:17:A:GLY:H	3	0.98	0.26	1.11
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG21	3	0.97	0.09	1.03
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG22	3	0.97	0.09	1.03
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG23	3	0.97	0.09	1.03
(1,520)	1:104:A:VAL:HG11	1:103:A:ASN:H	3	0.96	0.01	0.95
(1,520)	1:104:A:VAL:HG12	1:103:A:ASN:H	3	0.96	0.01	0.95
(1,520)	1:104:A:VAL:HG13	1:103:A:ASN:H	3	0.96	0.01	0.95
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG21	3	0.96	0.08	1.01
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG22	3	0.96	0.08	1.01
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG23	3	0.96	0.08	1.01
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG21	3	0.96	0.08	1.01
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG22	3	0.96	0.08	1.01
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG23	3	0.96	0.08	1.01
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG21	3	0.96	0.08	1.01
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG22	3	0.96	0.08	1.01
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG23	3	0.96	0.08	1.01
(1,510)	1:48:A:VAL:HG11	1:47:A:ALA:H	3	0.93	0.02	0.94
(1,510)	1:48:A:VAL:HG12	1:47:A:ALA:H	3	0.93	0.02	0.94
(1,510)	1:48:A:VAL:HG13	1:47:A:ALA:H	3	0.93	0.02	0.94
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD11	3	0.88	0.14	0.97
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD12	3	0.88	0.14	0.97
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD13	3	0.88	0.14	0.97
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD11	3	0.88	0.14	0.97
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD12	3	0.88	0.14	0.97
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD13	3	0.88	0.14	0.97
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD11	3	0.88	0.14	0.97
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD12	3	0.88	0.14	0.97
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD13	3	0.88	0.14	0.97
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD11	3	0.88	0.14	0.97
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD12	3	0.88	0.14	0.97
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD13	3	0.88	0.14	0.97
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD11	3	0.88	0.14	0.97
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD12	3	0.88	0.14	0.97
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD13	3	0.88	0.14	0.97
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD11	3	0.88	0.14	0.97
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD12	3	0.88	0.14	0.97
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD13	3	0.88	0.14	0.97
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD21	3	0.88	0.14	0.97
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD22	3	0.88	0.14	0.97

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD23	3	0.88	0.14	0.97
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD21	3	0.88	0.14	0.97
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD22	3	0.88	0.14	0.97
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD23	3	0.88	0.14	0.97
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD21	3	0.88	0.14	0.97
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD22	3	0.88	0.14	0.97
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD23	3	0.88	0.14	0.97
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD21	3	0.86	0.17	0.97
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD22	3	0.86	0.17	0.97
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD23	3	0.86	0.17	0.97
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD21	3	0.86	0.17	0.97
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD22	3	0.86	0.17	0.97
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD23	3	0.86	0.17	0.97
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD21	3	0.86	0.17	0.97
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD22	3	0.86	0.17	0.97
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD23	3	0.86	0.17	0.97
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB1	3	0.84	0.27	1.03
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB2	3	0.84	0.27	1.03
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB3	3	0.84	0.27	1.03
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB1	3	0.84	0.27	1.03
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB2	3	0.84	0.27	1.03
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB3	3	0.84	0.27	1.03
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB1	3	0.84	0.27	1.03
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB2	3	0.84	0.27	1.03
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB3	3	0.84	0.27	1.03
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD11	3	0.84	0.27	1.03
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD12	3	0.84	0.27	1.03
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD13	3	0.84	0.27	1.03
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD11	3	0.84	0.27	1.03
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD12	3	0.84	0.27	1.03
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD13	3	0.84	0.27	1.03
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD11	3	0.84	0.27	1.03
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD12	3	0.84	0.27	1.03
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD13	3	0.84	0.27	1.03
(1,545)	1:41:A:THR:HB	1:43:A:SER:H	3	0.8	0.33	1.01
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE1	3	0.79	0.16	0.69
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE2	3	0.79	0.16	0.69
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE3	3	0.79	0.16	0.69
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE1	3	0.79	0.16	0.69
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE2	3	0.79	0.16	0.69
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE3	3	0.79	0.16	0.69
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE1	3	0.79	0.16	0.69

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE2	3	0.79	0.16	0.69
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE3	3	0.79	0.16	0.69
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD11	3	0.77	0.29	0.87
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD12	3	0.77	0.29	0.87
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD13	3	0.77	0.29	0.87
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD11	3	0.77	0.29	0.87
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD12	3	0.77	0.29	0.87
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD13	3	0.77	0.29	0.87
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD11	3	0.77	0.29	0.87
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD12	3	0.77	0.29	0.87
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD13	3	0.77	0.29	0.87
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD21	3	0.73	0.2	0.67
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD22	3	0.73	0.2	0.67
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD23	3	0.73	0.2	0.67
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD21	3	0.73	0.2	0.67
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD22	3	0.73	0.2	0.67
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD23	3	0.73	0.2	0.67
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD21	3	0.73	0.2	0.67
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD22	3	0.73	0.2	0.67
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD23	3	0.73	0.2	0.67
(1,994)	1:127:A:VAL:HG11	1:57:A:ASN:HB2	3	0.73	0.21	0.61
(1,994)	1:127:A:VAL:HG11	1:57:A:ASN:HB3	3	0.73	0.21	0.61
(1,994)	1:127:A:VAL:HG12	1:57:A:ASN:HB2	3	0.73	0.21	0.61
(1,994)	1:127:A:VAL:HG12	1:57:A:ASN:HB3	3	0.73	0.21	0.61
(1,994)	1:127:A:VAL:HG13	1:57:A:ASN:HB2	3	0.73	0.21	0.61
(1,994)	1:127:A:VAL:HG13	1:57:A:ASN:HB3	3	0.73	0.21	0.61
(1,1117)	1:28:A:LEU:HD21	1:34:A:PHE:HD1	3	0.71	0.29	0.76
(1,1117)	1:28:A:LEU:HD22	1:34:A:PHE:HD1	3	0.71	0.29	0.76
(1,1117)	1:28:A:LEU:HD23	1:34:A:PHE:HD1	3	0.71	0.29	0.76
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG21	3	0.71	0.33	0.86
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG22	3	0.71	0.33	0.86
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG23	3	0.71	0.33	0.86
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG21	3	0.71	0.33	0.86
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG22	3	0.71	0.33	0.86
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG23	3	0.71	0.33	0.86
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG21	3	0.71	0.33	0.86
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG22	3	0.71	0.33	0.86
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG23	3	0.71	0.33	0.86
(1,1146)	1:37:A:MET:HE1	1:34:A:PHE:HZ	3	0.65	0.3	0.65
(1,1146)	1:37:A:MET:HE2	1:34:A:PHE:HZ	3	0.65	0.3	0.65
(1,1146)	1:37:A:MET:HE3	1:34:A:PHE:HZ	3	0.65	0.3	0.65
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD21	3	0.62	0.37	0.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD22	3	0.62	0.37	0.7
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD23	3	0.62	0.37	0.7
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD21	3	0.62	0.37	0.7
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD22	3	0.62	0.37	0.7
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD23	3	0.62	0.37	0.7
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD21	3	0.62	0.37	0.7
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD22	3	0.62	0.37	0.7
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD23	3	0.62	0.37	0.7
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE1	3	0.62	0.35	0.78
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE2	3	0.62	0.35	0.78
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE3	3	0.62	0.35	0.78
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE1	3	0.62	0.35	0.78
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE2	3	0.62	0.35	0.78
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE3	3	0.62	0.35	0.78
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE1	3	0.62	0.35	0.78
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE2	3	0.62	0.35	0.78
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE3	3	0.62	0.35	0.78
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD11	3	0.62	0.35	0.78
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD12	3	0.62	0.35	0.78
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD13	3	0.62	0.35	0.78
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD11	3	0.62	0.35	0.78
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD12	3	0.62	0.35	0.78
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD13	3	0.62	0.35	0.78
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD11	3	0.62	0.35	0.78
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD12	3	0.62	0.35	0.78
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD13	3	0.62	0.35	0.78
(1,1114)	1:37:A:MET:HE1	1:34:A:PHE:HD1	3	0.61	0.37	0.72
(1,1114)	1:37:A:MET:HE2	1:34:A:PHE:HD1	3	0.61	0.37	0.72
(1,1114)	1:37:A:MET:HE3	1:34:A:PHE:HD1	3	0.61	0.37	0.72
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD11	3	0.57	0.36	0.56
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD12	3	0.57	0.36	0.56
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD13	3	0.57	0.36	0.56
(1,1115)	1:131:A:LEU:HD11	1:34:A:PHE:HD1	3	0.57	0.36	0.56
(1,1115)	1:131:A:LEU:HD12	1:34:A:PHE:HD1	3	0.57	0.36	0.56
(1,1115)	1:131:A:LEU:HD13	1:34:A:PHE:HD1	3	0.57	0.36	0.56
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD21	3	0.56	0.03	0.55
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD22	3	0.56	0.03	0.55
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD23	3	0.56	0.03	0.55
(1,1139)	1:116:A:ALA:HA	1:20:A:PHE:HD1	3	0.55	0.46	0.26
(1,726)	1:111:A:ILE:HD11	1:21:A:ALA:H	3	0.54	0.29	0.59
(1,726)	1:111:A:ILE:HD12	1:21:A:ALA:H	3	0.54	0.29	0.59
(1,726)	1:111:A:ILE:HD13	1:21:A:ALA:H	3	0.54	0.29	0.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,664)	1:71:A:SER:HA	1:75:A:ALA:H	3	0.52	0.22	0.53
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG21	3	0.51	0.19	0.46
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG22	3	0.51	0.19	0.46
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG23	3	0.51	0.19	0.46
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG21	3	0.51	0.19	0.46
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG22	3	0.51	0.19	0.46
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG23	3	0.51	0.19	0.46
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG21	3	0.51	0.19	0.46
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG22	3	0.51	0.19	0.46
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG23	3	0.51	0.19	0.46
(1,1070)	1:80:A:VAL:HG11	1:93:A:TYR:HE1	3	0.51	0.03	0.5
(1,1070)	1:80:A:VAL:HG12	1:93:A:TYR:HE1	3	0.51	0.03	0.5
(1,1070)	1:80:A:VAL:HG13	1:93:A:TYR:HE1	3	0.51	0.03	0.5
(1,704)	1:72:A:LEU:HD21	1:105:A:LEU:H	3	0.5	0.39	0.24
(1,704)	1:72:A:LEU:HD22	1:105:A:LEU:H	3	0.5	0.39	0.24
(1,704)	1:72:A:LEU:HD23	1:105:A:LEU:H	3	0.5	0.39	0.24
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD11	3	0.49	0.28	0.46
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD12	3	0.49	0.28	0.46
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD13	3	0.49	0.28	0.46
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD11	3	0.49	0.28	0.46
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD12	3	0.49	0.28	0.46
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD13	3	0.49	0.28	0.46
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD11	3	0.49	0.28	0.46
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD12	3	0.49	0.28	0.46
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD13	3	0.49	0.28	0.46
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB1	3	0.47	0.13	0.47
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB2	3	0.47	0.13	0.47
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB3	3	0.47	0.13	0.47
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB1	3	0.47	0.13	0.47
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB2	3	0.47	0.13	0.47
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB3	3	0.47	0.13	0.47
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB1	3	0.47	0.13	0.47
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB2	3	0.47	0.13	0.47
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB3	3	0.47	0.13	0.47
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG21	3	0.47	0.13	0.47
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG22	3	0.47	0.13	0.47
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG23	3	0.47	0.13	0.47
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG21	3	0.47	0.13	0.47
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG22	3	0.47	0.13	0.47
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG23	3	0.47	0.13	0.47
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG21	3	0.47	0.13	0.47
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG22	3	0.47	0.13	0.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG23	3	0.47	0.13	0.47
(1,720)	1:29:A:LEU:HD21	1:91:A:SER:H	3	0.43	0.44	0.13
(1,720)	1:29:A:LEU:HD22	1:91:A:SER:H	3	0.43	0.44	0.13
(1,720)	1:29:A:LEU:HD23	1:91:A:SER:H	3	0.43	0.44	0.13
(1,720)	1:29:A:LEU:HD21	1:91:A:SER:H	3	0.43	0.44	0.13
(1,720)	1:29:A:LEU:HD22	1:91:A:SER:H	3	0.43	0.44	0.13
(1,720)	1:29:A:LEU:HD23	1:91:A:SER:H	3	0.43	0.44	0.13
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE1	3	0.42	0.42	0.14
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE2	3	0.42	0.42	0.14
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE3	3	0.42	0.42	0.14
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE1	3	0.42	0.42	0.14
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE2	3	0.42	0.42	0.14
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE3	3	0.42	0.42	0.14
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE1	3	0.42	0.42	0.14
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE2	3	0.42	0.42	0.14
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE3	3	0.42	0.42	0.14
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD11	3	0.42	0.42	0.14
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD12	3	0.42	0.42	0.14
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD13	3	0.42	0.42	0.14
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD11	3	0.42	0.42	0.14
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD12	3	0.42	0.42	0.14
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD13	3	0.42	0.42	0.14
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD11	3	0.42	0.42	0.14
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD12	3	0.42	0.42	0.14
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD13	3	0.42	0.42	0.14
(1,540)	1:121:A:SER:HB2	1:119:A:ALA:H	3	0.41	0.12	0.48
(1,540)	1:121:A:SER:HB3	1:119:A:ALA:H	3	0.41	0.12	0.48
(1,77)	1:48:A:VAL:HG11	1:48:A:VAL:H	3	0.38	0.0	0.38
(1,77)	1:48:A:VAL:HG12	1:48:A:VAL:H	3	0.38	0.0	0.38
(1,77)	1:48:A:VAL:HG13	1:48:A:VAL:H	3	0.38	0.0	0.38
(1,128)	1:104:A:VAL:HG11	1:104:A:VAL:H	3	0.38	0.0	0.38
(1,128)	1:104:A:VAL:HG12	1:104:A:VAL:H	3	0.38	0.0	0.38
(1,128)	1:104:A:VAL:HG13	1:104:A:VAL:H	3	0.38	0.0	0.38
(1,38)	1:50:A:VAL:HG11	1:50:A:VAL:H	3	0.38	0.0	0.38
(1,38)	1:50:A:VAL:HG12	1:50:A:VAL:H	3	0.38	0.0	0.38
(1,38)	1:50:A:VAL:HG13	1:50:A:VAL:H	3	0.38	0.0	0.38
(1,1182)	1:87:A:ILE:HG21	1:93:A:TYR:HD1	3	0.34	0.19	0.27
(1,1182)	1:87:A:ILE:HG22	1:93:A:TYR:HD1	3	0.34	0.19	0.27
(1,1182)	1:87:A:ILE:HG23	1:93:A:TYR:HD1	3	0.34	0.19	0.27
(1,628)	1:104:A:VAL:HG21	1:107:A:ASN:H	3	0.3	0.04	0.33
(1,628)	1:104:A:VAL:HG22	1:107:A:ASN:H	3	0.3	0.04	0.33
(1,628)	1:104:A:VAL:HG23	1:107:A:ASN:H	3	0.3	0.04	0.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,269)	1:108:A:SER:HB3	1:108:A:SER:H	3	0.27	0.04	0.29
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG11	3	0.24	0.08	0.29
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG12	3	0.24	0.08	0.29
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG13	3	0.24	0.08	0.29
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG11	3	0.24	0.08	0.29
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG12	3	0.24	0.08	0.29
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG13	3	0.24	0.08	0.29
(1,188)	1:41:A:THR:HB	1:41:A:THR:H	3	0.23	0.0	0.23
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD11	3	0.23	0.05	0.24
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD12	3	0.23	0.05	0.24
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD13	3	0.23	0.05	0.24
(1,654)	1:33:A:ASP:HA	1:37:A:MET:H	3	0.21	0.05	0.24
(1,103)	1:53:A:SER:HB3	1:53:A:SER:H	3	0.2	0.01	0.19
(1,1200)	1:138:A:VAL:HG11	1:134:A:TYR:HD1	2	1.31	1.17	1.31
(1,1200)	1:138:A:VAL:HG12	1:134:A:TYR:HD1	2	1.31	1.17	1.31
(1,1200)	1:138:A:VAL:HG13	1:134:A:TYR:HD1	2	1.31	1.17	1.31
(1,1204)	1:134:A:TYR:HD1	1:138:A:VAL:HG11	2	1.31	1.17	1.31
(1,1204)	1:134:A:TYR:HD1	1:138:A:VAL:HG12	2	1.31	1.17	1.31
(1,1204)	1:134:A:TYR:HD1	1:138:A:VAL:HG13	2	1.31	1.17	1.31
(1,1176)	1:87:A:ILE:HD11	1:83:A:LEU:HB2	2	1.03	0.01	1.03
(1,1176)	1:87:A:ILE:HD12	1:83:A:LEU:HB2	2	1.03	0.01	1.03
(1,1176)	1:87:A:ILE:HD13	1:83:A:LEU:HB2	2	1.03	0.01	1.03
(1,547)	1:82:A:THR:HA	1:84:A:GLY:H	2	1.02	0.7	1.02
(1,881)	1:134:A:TYR:HD1	1:138:A:VAL:HG21	2	0.96	0.37	0.96
(1,881)	1:134:A:TYR:HD1	1:138:A:VAL:HG22	2	0.96	0.37	0.96
(1,881)	1:134:A:TYR:HD1	1:138:A:VAL:HG23	2	0.96	0.37	0.96
(1,206)	1:76:A:VAL:HB	1:76:A:VAL:H	2	0.84	0.0	0.84
(1,874)	1:130:A:THR:HG21	1:138:A:VAL:HG11	2	0.82	0.07	0.82
(1,874)	1:130:A:THR:HG21	1:138:A:VAL:HG12	2	0.82	0.07	0.82
(1,874)	1:130:A:THR:HG21	1:138:A:VAL:HG13	2	0.82	0.07	0.82
(1,874)	1:130:A:THR:HG22	1:138:A:VAL:HG11	2	0.82	0.07	0.82
(1,874)	1:130:A:THR:HG22	1:138:A:VAL:HG12	2	0.82	0.07	0.82
(1,874)	1:130:A:THR:HG22	1:138:A:VAL:HG13	2	0.82	0.07	0.82
(1,874)	1:130:A:THR:HG23	1:138:A:VAL:HG11	2	0.82	0.07	0.82
(1,874)	1:130:A:THR:HG23	1:138:A:VAL:HG12	2	0.82	0.07	0.82
(1,874)	1:130:A:THR:HG23	1:138:A:VAL:HG13	2	0.82	0.07	0.82
(1,792)	1:134:A:TYR:HB3	1:130:A:THR:HG21	2	0.79	0.23	0.79
(1,792)	1:134:A:TYR:HB3	1:130:A:THR:HG22	2	0.79	0.23	0.79
(1,792)	1:134:A:TYR:HB3	1:130:A:THR:HG23	2	0.79	0.23	0.79
(1,671)	1:138:A:VAL:HG21	1:134:A:TYR:H	2	0.77	0.48	0.77
(1,671)	1:138:A:VAL:HG22	1:134:A:TYR:H	2	0.77	0.48	0.77
(1,671)	1:138:A:VAL:HG23	1:134:A:TYR:H	2	0.77	0.48	0.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1133)	1:130:A:THR:HB	1:139:A:PHE:HZ	2	0.76	0.26	0.76
(1,767)	1:29:A:LEU:HA	1:35:A:VAL:HG11	2	0.74	0.37	0.74
(1,767)	1:29:A:LEU:HA	1:35:A:VAL:HG12	2	0.74	0.37	0.74
(1,767)	1:29:A:LEU:HA	1:35:A:VAL:HG13	2	0.74	0.37	0.74
(1,1030)	1:54:A:VAL:HB	1:97:A:ILE:HD11	2	0.74	0.18	0.74
(1,1030)	1:54:A:VAL:HB	1:97:A:ILE:HD12	2	0.74	0.18	0.74
(1,1030)	1:54:A:VAL:HB	1:97:A:ILE:HD13	2	0.74	0.18	0.74
(1,1165)	1:97:A:ILE:HD11	1:54:A:VAL:HB	2	0.74	0.18	0.74
(1,1165)	1:97:A:ILE:HD12	1:54:A:VAL:HB	2	0.74	0.18	0.74
(1,1165)	1:97:A:ILE:HD13	1:54:A:VAL:HB	2	0.74	0.18	0.74
(1,1079)	1:41:A:THR:HB	1:46:A:GLN:HB2	2	0.72	0.28	0.72
(1,1079)	1:41:A:THR:HB	1:46:A:GLN:HB3	2	0.72	0.28	0.72
(1,828)	1:139:A:PHE:HZ	1:130:A:THR:HG21	2	0.7	0.18	0.7
(1,828)	1:139:A:PHE:HZ	1:130:A:THR:HG22	2	0.7	0.18	0.7
(1,828)	1:139:A:PHE:HZ	1:130:A:THR:HG23	2	0.7	0.18	0.7
(1,1125)	1:130:A:THR:HG21	1:139:A:PHE:HZ	2	0.7	0.18	0.7
(1,1125)	1:130:A:THR:HG22	1:139:A:PHE:HZ	2	0.7	0.18	0.7
(1,1125)	1:130:A:THR:HG23	1:139:A:PHE:HZ	2	0.7	0.18	0.7
(1,680)	1:64:A:LEU:HD11	1:69:A:MET:H	2	0.68	0.08	0.68
(1,680)	1:64:A:LEU:HD12	1:69:A:MET:H	2	0.68	0.08	0.68
(1,680)	1:64:A:LEU:HD13	1:69:A:MET:H	2	0.68	0.08	0.68
(1,680)	1:64:A:LEU:HD21	1:69:A:MET:H	2	0.68	0.08	0.68
(1,680)	1:64:A:LEU:HD22	1:69:A:MET:H	2	0.68	0.08	0.68
(1,680)	1:64:A:LEU:HD23	1:69:A:MET:H	2	0.68	0.08	0.68
(1,915)	1:87:A:ILE:HB	1:47:A:ALA:HB1	2	0.67	0.32	0.67
(1,915)	1:87:A:ILE:HB	1:47:A:ALA:HB2	2	0.67	0.32	0.67
(1,915)	1:87:A:ILE:HB	1:47:A:ALA:HB3	2	0.67	0.32	0.67
(1,1007)	1:47:A:ALA:HB1	1:87:A:ILE:HB	2	0.67	0.32	0.67
(1,1007)	1:47:A:ALA:HB2	1:87:A:ILE:HB	2	0.67	0.32	0.67
(1,1007)	1:47:A:ALA:HB3	1:87:A:ILE:HB	2	0.67	0.32	0.67
(1,536)	1:116:A:ALA:HB1	1:115:A:THR:H	2	0.66	0.15	0.66
(1,536)	1:116:A:ALA:HB2	1:115:A:THR:H	2	0.66	0.15	0.66
(1,536)	1:116:A:ALA:HB3	1:115:A:THR:H	2	0.66	0.15	0.66
(1,823)	1:73:A:LEU:HD21	1:52:A:THR:HG21	2	0.63	0.39	0.63
(1,823)	1:73:A:LEU:HD21	1:52:A:THR:HG22	2	0.63	0.39	0.63
(1,823)	1:73:A:LEU:HD21	1:52:A:THR:HG23	2	0.63	0.39	0.63
(1,823)	1:73:A:LEU:HD22	1:52:A:THR:HG21	2	0.63	0.39	0.63
(1,823)	1:73:A:LEU:HD22	1:52:A:THR:HG22	2	0.63	0.39	0.63
(1,823)	1:73:A:LEU:HD22	1:52:A:THR:HG23	2	0.63	0.39	0.63
(1,823)	1:73:A:LEU:HD23	1:52:A:THR:HG21	2	0.63	0.39	0.63
(1,823)	1:73:A:LEU:HD23	1:52:A:THR:HG22	2	0.63	0.39	0.63
(1,823)	1:73:A:LEU:HD23	1:52:A:THR:HG23	2	0.63	0.39	0.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,730)	1:120:A:ALA:HB1	1:24:A:LEU:H	2	0.6	0.37	0.6
(1,730)	1:120:A:ALA:HB2	1:24:A:LEU:H	2	0.6	0.37	0.6
(1,730)	1:120:A:ALA:HB3	1:24:A:LEU:H	2	0.6	0.37	0.6
(1,820)	1:68:A:ALA:HB1	1:64:A:LEU:HD21	2	0.58	0.3	0.58
(1,820)	1:68:A:ALA:HB1	1:64:A:LEU:HD22	2	0.58	0.3	0.58
(1,820)	1:68:A:ALA:HB1	1:64:A:LEU:HD23	2	0.58	0.3	0.58
(1,820)	1:68:A:ALA:HB2	1:64:A:LEU:HD21	2	0.58	0.3	0.58
(1,820)	1:68:A:ALA:HB2	1:64:A:LEU:HD22	2	0.58	0.3	0.58
(1,820)	1:68:A:ALA:HB2	1:64:A:LEU:HD23	2	0.58	0.3	0.58
(1,820)	1:68:A:ALA:HB3	1:64:A:LEU:HD21	2	0.58	0.3	0.58
(1,820)	1:68:A:ALA:HB3	1:64:A:LEU:HD22	2	0.58	0.3	0.58
(1,820)	1:68:A:ALA:HB3	1:64:A:LEU:HD23	2	0.58	0.3	0.58
(1,936)	1:64:A:LEU:HD21	1:68:A:ALA:HB1	2	0.58	0.3	0.58
(1,936)	1:64:A:LEU:HD21	1:68:A:ALA:HB2	2	0.58	0.3	0.58
(1,936)	1:64:A:LEU:HD21	1:68:A:ALA:HB3	2	0.58	0.3	0.58
(1,936)	1:64:A:LEU:HD22	1:68:A:ALA:HB1	2	0.58	0.3	0.58
(1,936)	1:64:A:LEU:HD22	1:68:A:ALA:HB2	2	0.58	0.3	0.58
(1,936)	1:64:A:LEU:HD22	1:68:A:ALA:HB3	2	0.58	0.3	0.58
(1,936)	1:64:A:LEU:HD23	1:68:A:ALA:HB1	2	0.58	0.3	0.58
(1,936)	1:64:A:LEU:HD23	1:68:A:ALA:HB2	2	0.58	0.3	0.58
(1,936)	1:64:A:LEU:HD23	1:68:A:ALA:HB3	2	0.58	0.3	0.58
(1,1026)	1:116:A:ALA:HA	1:111:A:ILE:HD11	2	0.56	0.11	0.56
(1,1026)	1:116:A:ALA:HA	1:111:A:ILE:HD12	2	0.56	0.11	0.56
(1,1026)	1:116:A:ALA:HA	1:111:A:ILE:HD13	2	0.56	0.11	0.56
(1,902)	1:24:A:LEU:HA	1:120:A:ALA:HB1	2	0.53	0.16	0.53
(1,902)	1:24:A:LEU:HA	1:120:A:ALA:HB2	2	0.53	0.16	0.53
(1,902)	1:24:A:LEU:HA	1:120:A:ALA:HB3	2	0.53	0.16	0.53
(1,1105)	1:70:A:ASN:HA	1:73:A:LEU:HD11	2	0.52	0.15	0.52
(1,1105)	1:70:A:ASN:HA	1:73:A:LEU:HD12	2	0.52	0.15	0.52
(1,1105)	1:70:A:ASN:HA	1:73:A:LEU:HD13	2	0.52	0.15	0.52
(1,848)	1:47:A:ALA:HA	1:41:A:THR:HG21	2	0.48	0.3	0.48
(1,848)	1:47:A:ALA:HA	1:41:A:THR:HG22	2	0.48	0.3	0.48
(1,848)	1:47:A:ALA:HA	1:41:A:THR:HG23	2	0.48	0.3	0.48
(1,987)	1:93:A:TYR:HE1	1:97:A:ILE:HG21	2	0.46	0.02	0.46
(1,987)	1:93:A:TYR:HE1	1:97:A:ILE:HG22	2	0.46	0.02	0.46
(1,987)	1:93:A:TYR:HE1	1:97:A:ILE:HG23	2	0.46	0.02	0.46
(1,1184)	1:97:A:ILE:HG21	1:93:A:TYR:HE1	2	0.46	0.02	0.46
(1,1184)	1:97:A:ILE:HG22	1:93:A:TYR:HE1	2	0.46	0.02	0.46
(1,1184)	1:97:A:ILE:HG23	1:93:A:TYR:HE1	2	0.46	0.02	0.46
(1,762)	1:124:A:ALA:HB1	1:24:A:LEU:HD21	2	0.46	0.14	0.46
(1,762)	1:124:A:ALA:HB1	1:24:A:LEU:HD22	2	0.46	0.14	0.46
(1,762)	1:124:A:ALA:HB1	1:24:A:LEU:HD23	2	0.46	0.14	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,762)	1:124:A:ALA:HB2	1:24:A:LEU:HD21	2	0.46	0.14	0.46
(1,762)	1:124:A:ALA:HB2	1:24:A:LEU:HD22	2	0.46	0.14	0.46
(1,762)	1:124:A:ALA:HB2	1:24:A:LEU:HD23	2	0.46	0.14	0.46
(1,762)	1:124:A:ALA:HB3	1:24:A:LEU:HD21	2	0.46	0.14	0.46
(1,762)	1:124:A:ALA:HB3	1:24:A:LEU:HD22	2	0.46	0.14	0.46
(1,762)	1:124:A:ALA:HB3	1:24:A:LEU:HD23	2	0.46	0.14	0.46
(1,941)	1:24:A:LEU:HD21	1:124:A:ALA:HB1	2	0.46	0.14	0.46
(1,941)	1:24:A:LEU:HD21	1:124:A:ALA:HB2	2	0.46	0.14	0.46
(1,941)	1:24:A:LEU:HD21	1:124:A:ALA:HB3	2	0.46	0.14	0.46
(1,941)	1:24:A:LEU:HD22	1:124:A:ALA:HB1	2	0.46	0.14	0.46
(1,941)	1:24:A:LEU:HD22	1:124:A:ALA:HB2	2	0.46	0.14	0.46
(1,941)	1:24:A:LEU:HD22	1:124:A:ALA:HB3	2	0.46	0.14	0.46
(1,941)	1:24:A:LEU:HD23	1:124:A:ALA:HB1	2	0.46	0.14	0.46
(1,941)	1:24:A:LEU:HD23	1:124:A:ALA:HB2	2	0.46	0.14	0.46
(1,941)	1:24:A:LEU:HD23	1:124:A:ALA:HB3	2	0.46	0.14	0.46
(1,796)	1:83:A:LEU:HA	1:83:A:LEU:HD21	2	0.44	0.01	0.44
(1,796)	1:83:A:LEU:HA	1:83:A:LEU:HD22	2	0.44	0.01	0.44
(1,796)	1:83:A:LEU:HA	1:83:A:LEU:HD23	2	0.44	0.01	0.44
(1,362)	1:65:A:ASP:HB2	1:66:A:ALA:H	2	0.42	0.19	0.42
(1,362)	1:65:A:ASP:HB3	1:66:A:ALA:H	2	0.42	0.19	0.42
(1,976)	1:50:A:VAL:HG21	1:38:A:ILE:HG21	2	0.39	0.01	0.39
(1,976)	1:50:A:VAL:HG21	1:38:A:ILE:HG22	2	0.39	0.01	0.39
(1,976)	1:50:A:VAL:HG21	1:38:A:ILE:HG23	2	0.39	0.01	0.39
(1,976)	1:50:A:VAL:HG22	1:38:A:ILE:HG21	2	0.39	0.01	0.39
(1,976)	1:50:A:VAL:HG22	1:38:A:ILE:HG22	2	0.39	0.01	0.39
(1,976)	1:50:A:VAL:HG22	1:38:A:ILE:HG23	2	0.39	0.01	0.39
(1,976)	1:50:A:VAL:HG23	1:38:A:ILE:HG21	2	0.39	0.01	0.39
(1,976)	1:50:A:VAL:HG23	1:38:A:ILE:HG22	2	0.39	0.01	0.39
(1,976)	1:50:A:VAL:HG23	1:38:A:ILE:HG23	2	0.39	0.01	0.39
(1,574)	1:86:A:ALA:HA	1:89:A:ASP:H	2	0.38	0.05	0.38
(1,562)	1:76:A:VAL:HG11	1:78:A:GLY:H	2	0.34	0.02	0.34
(1,562)	1:76:A:VAL:HG12	1:78:A:GLY:H	2	0.34	0.02	0.34
(1,562)	1:76:A:VAL:HG13	1:78:A:GLY:H	2	0.34	0.02	0.34
(1,564)	1:97:A:ILE:HG21	1:99:A:SER:H	2	0.3	0.02	0.3
(1,564)	1:97:A:ILE:HG22	1:99:A:SER:H	2	0.3	0.02	0.3
(1,564)	1:97:A:ILE:HG23	1:99:A:SER:H	2	0.3	0.02	0.3
(1,1016)	1:44:A:THR:HA	1:87:A:ILE:HD11	2	0.3	0.16	0.3
(1,1016)	1:44:A:THR:HA	1:87:A:ILE:HD12	2	0.3	0.16	0.3
(1,1016)	1:44:A:THR:HA	1:87:A:ILE:HD13	2	0.3	0.16	0.3
(1,818)	1:97:A:ILE:HG21	1:76:A:VAL:HG21	2	0.26	0.12	0.26
(1,818)	1:97:A:ILE:HG21	1:76:A:VAL:HG22	2	0.26	0.12	0.26
(1,818)	1:97:A:ILE:HG21	1:76:A:VAL:HG23	2	0.26	0.12	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,818)	1:97:A:ILE:HG22	1:76:A:VAL:HG21	2	0.26	0.12	0.26
(1,818)	1:97:A:ILE:HG22	1:76:A:VAL:HG22	2	0.26	0.12	0.26
(1,818)	1:97:A:ILE:HG22	1:76:A:VAL:HG23	2	0.26	0.12	0.26
(1,818)	1:97:A:ILE:HG23	1:76:A:VAL:HG21	2	0.26	0.12	0.26
(1,818)	1:97:A:ILE:HG23	1:76:A:VAL:HG22	2	0.26	0.12	0.26
(1,818)	1:97:A:ILE:HG23	1:76:A:VAL:HG23	2	0.26	0.12	0.26
(1,984)	1:76:A:VAL:HG21	1:97:A:ILE:HG21	2	0.26	0.12	0.26
(1,984)	1:76:A:VAL:HG21	1:97:A:ILE:HG22	2	0.26	0.12	0.26
(1,984)	1:76:A:VAL:HG21	1:97:A:ILE:HG23	2	0.26	0.12	0.26
(1,984)	1:76:A:VAL:HG22	1:97:A:ILE:HG21	2	0.26	0.12	0.26
(1,984)	1:76:A:VAL:HG22	1:97:A:ILE:HG22	2	0.26	0.12	0.26
(1,984)	1:76:A:VAL:HG22	1:97:A:ILE:HG23	2	0.26	0.12	0.26
(1,984)	1:76:A:VAL:HG23	1:97:A:ILE:HG21	2	0.26	0.12	0.26
(1,984)	1:76:A:VAL:HG23	1:97:A:ILE:HG22	2	0.26	0.12	0.26
(1,984)	1:76:A:VAL:HG23	1:97:A:ILE:HG23	2	0.26	0.12	0.26
(1,812)	1:138:A:VAL:HG11	1:130:A:THR:HG21	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG11	1:130:A:THR:HG22	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG11	1:130:A:THR:HG23	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG12	1:130:A:THR:HG21	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG12	1:130:A:THR:HG22	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG12	1:130:A:THR:HG23	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG13	1:130:A:THR:HG21	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG13	1:130:A:THR:HG22	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG13	1:130:A:THR:HG23	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG21	1:130:A:THR:HG21	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG21	1:130:A:THR:HG22	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG21	1:130:A:THR:HG23	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG22	1:130:A:THR:HG21	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG22	1:130:A:THR:HG22	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG22	1:130:A:THR:HG23	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG23	1:130:A:THR:HG21	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG23	1:130:A:THR:HG22	2	0.24	0.09	0.24
(1,812)	1:138:A:VAL:HG23	1:130:A:THR:HG23	2	0.24	0.09	0.24
(1,58)	1:127:A:VAL:HB	1:127:A:VAL:H	2	0.24	0.0	0.24
(1,89)	1:130:A:THR:HB	1:130:A:THR:H	2	0.24	0.0	0.24
(1,596)	1:106:A:ALA:HB1	1:103:A:ASN:H	2	0.24	0.03	0.24
(1,596)	1:106:A:ALA:HB2	1:103:A:ASN:H	2	0.24	0.03	0.24
(1,596)	1:106:A:ALA:HB3	1:103:A:ASN:H	2	0.24	0.03	0.24
(1,252)	1:97:A:ILE:HB	1:97:A:ILE:H	2	0.23	0.01	0.23
(1,858)	1:79:A:TYR:HA	1:82:A:THR:HG21	2	0.23	0.01	0.23
(1,858)	1:79:A:TYR:HA	1:82:A:THR:HG22	2	0.23	0.01	0.23
(1,858)	1:79:A:TYR:HA	1:82:A:THR:HG23	2	0.23	0.01	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,760)	1:123:A:ALA:HB1	1:24:A:LEU:HD21	2	0.2	0.06	0.2
(1,760)	1:123:A:ALA:HB1	1:24:A:LEU:HD22	2	0.2	0.06	0.2
(1,760)	1:123:A:ALA:HB1	1:24:A:LEU:HD23	2	0.2	0.06	0.2
(1,760)	1:123:A:ALA:HB2	1:24:A:LEU:HD21	2	0.2	0.06	0.2
(1,760)	1:123:A:ALA:HB2	1:24:A:LEU:HD22	2	0.2	0.06	0.2
(1,760)	1:123:A:ALA:HB2	1:24:A:LEU:HD23	2	0.2	0.06	0.2
(1,760)	1:123:A:ALA:HB3	1:24:A:LEU:HD21	2	0.2	0.06	0.2
(1,760)	1:123:A:ALA:HB3	1:24:A:LEU:HD22	2	0.2	0.06	0.2
(1,760)	1:123:A:ALA:HB3	1:24:A:LEU:HD23	2	0.2	0.06	0.2
(1,896)	1:24:A:LEU:HD21	1:123:A:ALA:HB1	2	0.2	0.06	0.2
(1,896)	1:24:A:LEU:HD21	1:123:A:ALA:HB2	2	0.2	0.06	0.2
(1,896)	1:24:A:LEU:HD21	1:123:A:ALA:HB3	2	0.2	0.06	0.2
(1,896)	1:24:A:LEU:HD22	1:123:A:ALA:HB1	2	0.2	0.06	0.2
(1,896)	1:24:A:LEU:HD22	1:123:A:ALA:HB2	2	0.2	0.06	0.2
(1,896)	1:24:A:LEU:HD22	1:123:A:ALA:HB3	2	0.2	0.06	0.2
(1,896)	1:24:A:LEU:HD23	1:123:A:ALA:HB1	2	0.2	0.06	0.2
(1,896)	1:24:A:LEU:HD23	1:123:A:ALA:HB2	2	0.2	0.06	0.2
(1,896)	1:24:A:LEU:HD23	1:123:A:ALA:HB3	2	0.2	0.06	0.2
(1,702)	1:104:A:VAL:HG21	1:72:A:LEU:H	2	0.18	0.04	0.18
(1,702)	1:104:A:VAL:HG22	1:72:A:LEU:H	2	0.18	0.04	0.18
(1,702)	1:104:A:VAL:HG23	1:72:A:LEU:H	2	0.18	0.04	0.18
(1,702)	1:104:A:VAL:HG11	1:72:A:LEU:H	2	0.18	0.04	0.18
(1,702)	1:104:A:VAL:HG12	1:72:A:LEU:H	2	0.18	0.04	0.18
(1,702)	1:104:A:VAL:HG13	1:72:A:LEU:H	2	0.18	0.04	0.18
(1,957)	1:79:A:TYR:HB2	1:100:A:ALA:HB1	2	0.18	0.08	0.18
(1,957)	1:79:A:TYR:HB2	1:100:A:ALA:HB2	2	0.18	0.08	0.18
(1,957)	1:79:A:TYR:HB2	1:100:A:ALA:HB3	2	0.18	0.08	0.18
(1,1006)	1:100:A:ALA:HB1	1:79:A:TYR:HB2	2	0.18	0.08	0.18
(1,1006)	1:100:A:ALA:HB2	1:79:A:TYR:HB2	2	0.18	0.08	0.18
(1,1006)	1:100:A:ALA:HB3	1:79:A:TYR:HB2	2	0.18	0.08	0.18
(1,438)	1:111:A:ILE:HA	1:112:A:SER:H	2	0.18	0.02	0.18
(1,773)	1:97:A:ILE:HG21	1:76:A:VAL:HG11	2	0.16	0.03	0.16
(1,773)	1:97:A:ILE:HG21	1:76:A:VAL:HG12	2	0.16	0.03	0.16
(1,773)	1:97:A:ILE:HG21	1:76:A:VAL:HG13	2	0.16	0.03	0.16
(1,773)	1:97:A:ILE:HG22	1:76:A:VAL:HG11	2	0.16	0.03	0.16
(1,773)	1:97:A:ILE:HG22	1:76:A:VAL:HG12	2	0.16	0.03	0.16
(1,773)	1:97:A:ILE:HG22	1:76:A:VAL:HG13	2	0.16	0.03	0.16
(1,773)	1:97:A:ILE:HG23	1:76:A:VAL:HG11	2	0.16	0.03	0.16
(1,773)	1:97:A:ILE:HG23	1:76:A:VAL:HG12	2	0.16	0.03	0.16
(1,773)	1:97:A:ILE:HG23	1:76:A:VAL:HG13	2	0.16	0.03	0.16
(1,744)	1:81:A:SER:HB2	1:48:A:VAL:HG11	2	0.16	0.04	0.16
(1,744)	1:81:A:SER:HB2	1:48:A:VAL:HG12	2	0.16	0.04	0.16

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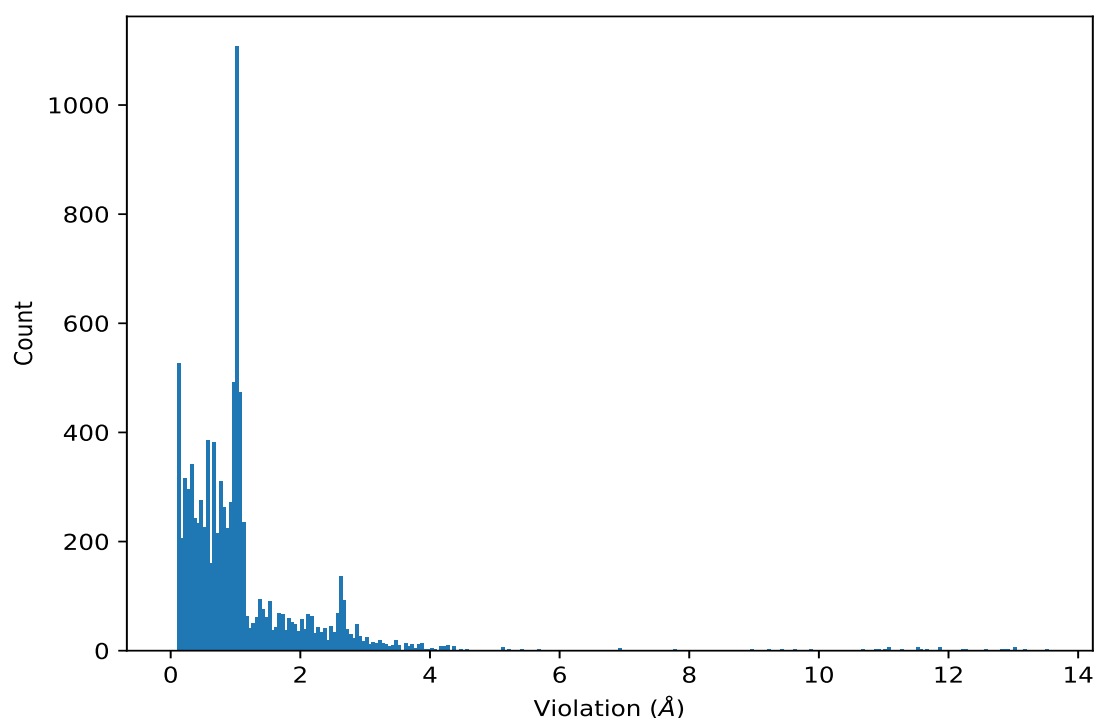
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,744)	1:81:A:SER:HB2	1:48:A:VAL:HG13	2	0.16	0.04	0.16
(1,744)	1:81:A:SER:HB3	1:48:A:VAL:HG11	2	0.16	0.04	0.16
(1,744)	1:81:A:SER:HB3	1:48:A:VAL:HG12	2	0.16	0.04	0.16
(1,744)	1:81:A:SER:HB3	1:48:A:VAL:HG13	2	0.16	0.04	0.16
(1,470)	1:41:A:THR:HA	1:42:A:THR:H	2	0.14	0.03	0.14
(1,658)	1:52:A:THR:HA	1:56:A:GLN:H	2	0.13	0.01	0.13
(1,815)	1:87:A:ILE:HD11	1:80:A:VAL:HG21	2	0.13	0.0	0.13
(1,815)	1:87:A:ILE:HD11	1:80:A:VAL:HG22	2	0.13	0.0	0.13
(1,815)	1:87:A:ILE:HD11	1:80:A:VAL:HG23	2	0.13	0.0	0.13
(1,815)	1:87:A:ILE:HD12	1:80:A:VAL:HG21	2	0.13	0.0	0.13
(1,815)	1:87:A:ILE:HD12	1:80:A:VAL:HG22	2	0.13	0.0	0.13
(1,815)	1:87:A:ILE:HD12	1:80:A:VAL:HG23	2	0.13	0.0	0.13
(1,815)	1:87:A:ILE:HD13	1:80:A:VAL:HG21	2	0.13	0.0	0.13
(1,815)	1:87:A:ILE:HD13	1:80:A:VAL:HG22	2	0.13	0.0	0.13
(1,815)	1:87:A:ILE:HD13	1:80:A:VAL:HG23	2	0.13	0.0	0.13
(1,1018)	1:80:A:VAL:HG21	1:87:A:ILE:HD11	2	0.13	0.0	0.13
(1,1018)	1:80:A:VAL:HG21	1:87:A:ILE:HD12	2	0.13	0.0	0.13
(1,1018)	1:80:A:VAL:HG21	1:87:A:ILE:HD13	2	0.13	0.0	0.13
(1,1018)	1:80:A:VAL:HG22	1:87:A:ILE:HD11	2	0.13	0.0	0.13
(1,1018)	1:80:A:VAL:HG22	1:87:A:ILE:HD12	2	0.13	0.0	0.13
(1,1018)	1:80:A:VAL:HG22	1:87:A:ILE:HD13	2	0.13	0.0	0.13
(1,1018)	1:80:A:VAL:HG23	1:87:A:ILE:HD11	2	0.13	0.0	0.13
(1,1018)	1:80:A:VAL:HG23	1:87:A:ILE:HD12	2	0.13	0.0	0.13
(1,1018)	1:80:A:VAL:HG23	1:87:A:ILE:HD13	2	0.13	0.0	0.13
(1,612)	1:50:A:VAL:HG21	1:53:A:SER:H	2	0.12	0.02	0.12
(1,612)	1:50:A:VAL:HG22	1:53:A:SER:H	2	0.12	0.02	0.12
(1,612)	1:50:A:VAL:HG23	1:53:A:SER:H	2	0.12	0.02	0.12
(1,270)	1:91:A:SER:HB2	1:91:A:SER:H	2	0.12	0.01	0.12
(1,270)	1:91:A:SER:HB3	1:91:A:SER:H	2	0.12	0.01	0.12
(1,579)	1:44:A:THR:HA	1:47:A:ALA:H	2	0.11	0.0	0.11
(1,134)	1:20:A:PHE:HD1	1:20:A:PHE:H	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)
(1,706)	1:75:A:ALA:HB1	1:39:A:SER:H	7	13.52
(1,706)	1:75:A:ALA:HB2	1:39:A:SER:H	7	13.52
(1,706)	1:75:A:ALA:HB3	1:39:A:SER:H	7	13.52
(1,706)	1:75:A:ALA:HB1	1:39:A:SER:H	3	13.2
(1,706)	1:75:A:ALA:HB2	1:39:A:SER:H	3	13.2
(1,706)	1:75:A:ALA:HB3	1:39:A:SER:H	3	13.2
(1,706)	1:75:A:ALA:HB1	1:39:A:SER:H	4	13.03
(1,706)	1:75:A:ALA:HB2	1:39:A:SER:H	4	13.03
(1,706)	1:75:A:ALA:HB3	1:39:A:SER:H	4	13.03
(1,706)	1:75:A:ALA:HB1	1:39:A:SER:H	8	13.02
(1,706)	1:75:A:ALA:HB2	1:39:A:SER:H	8	13.02
(1,706)	1:75:A:ALA:HB3	1:39:A:SER:H	8	13.02
(1,706)	1:75:A:ALA:HB1	1:39:A:SER:H	2	12.95
(1,706)	1:75:A:ALA:HB2	1:39:A:SER:H	2	12.95
(1,706)	1:75:A:ALA:HB3	1:39:A:SER:H	2	12.95
(1,706)	1:75:A:ALA:HB1	1:39:A:SER:H	9	12.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:75:A:ALA:HB2	1:39:A:SER:H	9	12.87
(1,706)	1:75:A:ALA:HB3	1:39:A:SER:H	9	12.87
(1,706)	1:75:A:ALA:HB1	1:39:A:SER:H	1	12.83
(1,706)	1:75:A:ALA:HB2	1:39:A:SER:H	1	12.83
(1,706)	1:75:A:ALA:HB3	1:39:A:SER:H	1	12.83
(1,706)	1:75:A:ALA:HB1	1:39:A:SER:H	5	12.56
(1,706)	1:75:A:ALA:HB2	1:39:A:SER:H	5	12.56
(1,706)	1:75:A:ALA:HB3	1:39:A:SER:H	5	12.56
(1,706)	1:75:A:ALA:HB1	1:39:A:SER:H	6	12.28
(1,706)	1:75:A:ALA:HB2	1:39:A:SER:H	6	12.28
(1,706)	1:75:A:ALA:HB3	1:39:A:SER:H	6	12.28
(1,706)	1:75:A:ALA:HB1	1:39:A:SER:H	10	12.24
(1,706)	1:75:A:ALA:HB2	1:39:A:SER:H	10	12.24
(1,706)	1:75:A:ALA:HB3	1:39:A:SER:H	10	12.24
(1,692)	1:75:A:ALA:HB1	1:91:A:SER:H	3	11.88
(1,692)	1:75:A:ALA:HB2	1:91:A:SER:H	3	11.88
(1,692)	1:75:A:ALA:HB3	1:91:A:SER:H	3	11.88
(1,692)	1:75:A:ALA:HB1	1:91:A:SER:H	7	11.86
(1,692)	1:75:A:ALA:HB2	1:91:A:SER:H	7	11.86
(1,692)	1:75:A:ALA:HB3	1:91:A:SER:H	7	11.86
(1,692)	1:75:A:ALA:HB1	1:91:A:SER:H	8	11.68
(1,692)	1:75:A:ALA:HB2	1:91:A:SER:H	8	11.68
(1,692)	1:75:A:ALA:HB3	1:91:A:SER:H	8	11.68
(1,692)	1:75:A:ALA:HB1	1:91:A:SER:H	2	11.6
(1,692)	1:75:A:ALA:HB2	1:91:A:SER:H	2	11.6
(1,692)	1:75:A:ALA:HB3	1:91:A:SER:H	2	11.6
(1,692)	1:75:A:ALA:HB1	1:91:A:SER:H	4	11.54
(1,692)	1:75:A:ALA:HB2	1:91:A:SER:H	4	11.54
(1,692)	1:75:A:ALA:HB3	1:91:A:SER:H	4	11.54
(1,692)	1:75:A:ALA:HB1	1:91:A:SER:H	1	11.53
(1,692)	1:75:A:ALA:HB2	1:91:A:SER:H	1	11.53
(1,692)	1:75:A:ALA:HB3	1:91:A:SER:H	1	11.53
(1,692)	1:75:A:ALA:HB1	1:91:A:SER:H	5	11.27
(1,692)	1:75:A:ALA:HB2	1:91:A:SER:H	5	11.27
(1,692)	1:75:A:ALA:HB3	1:91:A:SER:H	5	11.27
(1,692)	1:75:A:ALA:HB1	1:91:A:SER:H	10	11.1
(1,692)	1:75:A:ALA:HB2	1:91:A:SER:H	10	11.1
(1,692)	1:75:A:ALA:HB3	1:91:A:SER:H	10	11.1
(1,692)	1:75:A:ALA:HB1	1:91:A:SER:H	9	11.08
(1,692)	1:75:A:ALA:HB2	1:91:A:SER:H	9	11.08
(1,692)	1:75:A:ALA:HB3	1:91:A:SER:H	9	11.08
(1,692)	1:75:A:ALA:HB1	1:91:A:SER:H	6	11.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:75:A:ALA:HB2	1:91:A:SER:H	6	11.03
(1,692)	1:75:A:ALA:HB3	1:91:A:SER:H	6	11.03
(1,705)	1:75:A:ALA:HB1	1:111:A:ILE:H	10	10.91
(1,705)	1:75:A:ALA:HB2	1:111:A:ILE:H	10	10.91
(1,705)	1:75:A:ALA:HB3	1:111:A:ILE:H	10	10.91
(1,705)	1:75:A:ALA:HB1	1:111:A:ILE:H	5	10.88
(1,705)	1:75:A:ALA:HB2	1:111:A:ILE:H	5	10.88
(1,705)	1:75:A:ALA:HB3	1:111:A:ILE:H	5	10.88
(1,705)	1:75:A:ALA:HB1	1:111:A:ILE:H	9	10.68
(1,705)	1:75:A:ALA:HB2	1:111:A:ILE:H	9	10.68
(1,705)	1:75:A:ALA:HB3	1:111:A:ILE:H	9	10.68
(1,705)	1:75:A:ALA:HB1	1:111:A:ILE:H	3	9.87
(1,705)	1:75:A:ALA:HB2	1:111:A:ILE:H	3	9.87
(1,705)	1:75:A:ALA:HB3	1:111:A:ILE:H	3	9.87
(1,705)	1:75:A:ALA:HB1	1:111:A:ILE:H	4	9.61
(1,705)	1:75:A:ALA:HB2	1:111:A:ILE:H	4	9.61
(1,705)	1:75:A:ALA:HB3	1:111:A:ILE:H	4	9.61
(1,705)	1:75:A:ALA:HB1	1:111:A:ILE:H	1	9.4
(1,705)	1:75:A:ALA:HB2	1:111:A:ILE:H	1	9.4
(1,705)	1:75:A:ALA:HB3	1:111:A:ILE:H	1	9.4
(1,705)	1:75:A:ALA:HB1	1:111:A:ILE:H	2	9.23
(1,705)	1:75:A:ALA:HB2	1:111:A:ILE:H	2	9.23
(1,705)	1:75:A:ALA:HB3	1:111:A:ILE:H	2	9.23
(1,705)	1:75:A:ALA:HB1	1:111:A:ILE:H	6	8.99
(1,705)	1:75:A:ALA:HB2	1:111:A:ILE:H	6	8.99
(1,705)	1:75:A:ALA:HB3	1:111:A:ILE:H	6	8.99
(1,705)	1:75:A:ALA:HB1	1:111:A:ILE:H	7	7.76
(1,705)	1:75:A:ALA:HB2	1:111:A:ILE:H	7	7.76
(1,705)	1:75:A:ALA:HB3	1:111:A:ILE:H	7	7.76
(1,649)	1:134:A:TYR:HD1	1:138:A:VAL:H	6	6.92
(1,705)	1:75:A:ALA:HB1	1:111:A:ILE:H	8	6.91
(1,705)	1:75:A:ALA:HB2	1:111:A:ILE:H	8	6.91
(1,705)	1:75:A:ALA:HB3	1:111:A:ILE:H	8	6.91
(1,650)	1:134:A:TYR:HE1	1:138:A:VAL:H	6	6.9
(1,649)	1:134:A:TYR:HD1	1:138:A:VAL:H	5	5.86
(1,649)	1:134:A:TYR:HD1	1:138:A:VAL:H	3	5.67
(1,649)	1:134:A:TYR:HD1	1:138:A:VAL:H	1	5.66
(1,649)	1:134:A:TYR:HD1	1:138:A:VAL:H	2	5.66
(1,650)	1:134:A:TYR:HE1	1:138:A:VAL:H	1	5.46
(1,649)	1:134:A:TYR:HD1	1:138:A:VAL:H	10	5.43
(1,650)	1:134:A:TYR:HE1	1:138:A:VAL:H	4	5.42
(1,650)	1:134:A:TYR:HE1	1:138:A:VAL:H	10	5.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:134:A:TYR:HD1	1:138:A:VAL:H	4	5.28
(1,650)	1:134:A:TYR:HE1	1:138:A:VAL:H	5	5.23
(1,650)	1:134:A:TYR:HE1	1:138:A:VAL:H	3	5.22
(1,1074)	1:47:A:ALA:HB1	1:93:A:TYR:HE1	5	5.12
(1,1074)	1:47:A:ALA:HB2	1:93:A:TYR:HE1	5	5.12
(1,1074)	1:47:A:ALA:HB3	1:93:A:TYR:HE1	5	5.12
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB1	5	5.12
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB2	5	5.12
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB3	5	5.12
(1,650)	1:134:A:TYR:HE1	1:138:A:VAL:H	2	4.96
(1,1175)	1:100:A:ALA:HA	1:79:A:TYR:HE1	10	4.76
(1,650)	1:134:A:TYR:HE1	1:138:A:VAL:H	7	4.7
(1,649)	1:134:A:TYR:HD1	1:138:A:VAL:H	9	4.69
(1,649)	1:134:A:TYR:HD1	1:138:A:VAL:H	7	4.63
(1,740)	1:120:A:ALA:HB1	1:19:A:ALA:H	4	4.56
(1,740)	1:120:A:ALA:HB2	1:19:A:ALA:H	4	4.56
(1,740)	1:120:A:ALA:HB3	1:19:A:ALA:H	4	4.56
(1,694)	1:79:A:TYR:HD1	1:99:A:SER:H	5	4.48
(1,694)	1:79:A:TYR:HD1	1:99:A:SER:H	4	4.47
(1,694)	1:79:A:TYR:HD1	1:99:A:SER:H	9	4.43
(1,740)	1:120:A:ALA:HB1	1:19:A:ALA:H	1	4.38
(1,740)	1:120:A:ALA:HB2	1:19:A:ALA:H	1	4.38
(1,740)	1:120:A:ALA:HB3	1:19:A:ALA:H	1	4.38
(1,740)	1:120:A:ALA:HB1	1:19:A:ALA:H	8	4.37
(1,740)	1:120:A:ALA:HB2	1:19:A:ALA:H	8	4.37
(1,740)	1:120:A:ALA:HB3	1:19:A:ALA:H	8	4.37
(1,740)	1:120:A:ALA:HB1	1:19:A:ALA:H	10	4.37
(1,740)	1:120:A:ALA:HB2	1:19:A:ALA:H	10	4.37
(1,740)	1:120:A:ALA:HB3	1:19:A:ALA:H	10	4.37
(1,686)	1:139:A:PHE:HE1	1:131:A:LEU:H	3	4.3
(1,1175)	1:100:A:ALA:HA	1:79:A:TYR:HE1	2	4.27
(1,1074)	1:47:A:ALA:HB1	1:93:A:TYR:HE1	9	4.27
(1,1074)	1:47:A:ALA:HB2	1:93:A:TYR:HE1	9	4.27
(1,1074)	1:47:A:ALA:HB3	1:93:A:TYR:HE1	9	4.27
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB1	9	4.27
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB2	9	4.27
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB3	9	4.27
(1,740)	1:120:A:ALA:HB1	1:19:A:ALA:H	5	4.25
(1,740)	1:120:A:ALA:HB2	1:19:A:ALA:H	5	4.25
(1,740)	1:120:A:ALA:HB3	1:19:A:ALA:H	5	4.25
(1,711)	1:87:A:ILE:HD11	1:43:A:SER:H	2	4.23
(1,711)	1:87:A:ILE:HD12	1:43:A:SER:H	2	4.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:87:A:ILE:HD13	1:43:A:SER:H	2	4.23
(1,740)	1:120:A:ALA:HB1	1:19:A:ALA:H	2	4.22
(1,740)	1:120:A:ALA:HB2	1:19:A:ALA:H	2	4.22
(1,740)	1:120:A:ALA:HB3	1:19:A:ALA:H	2	4.22
(1,707)	1:68:A:ALA:HB1	1:104:A:VAL:H	8	4.22
(1,707)	1:68:A:ALA:HB2	1:104:A:VAL:H	8	4.22
(1,707)	1:68:A:ALA:HB3	1:104:A:VAL:H	8	4.22
(1,1074)	1:47:A:ALA:HB1	1:93:A:TYR:HE1	10	4.19
(1,1074)	1:47:A:ALA:HB2	1:93:A:TYR:HE1	10	4.19
(1,1074)	1:47:A:ALA:HB3	1:93:A:TYR:HE1	10	4.19
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB1	10	4.19
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB2	10	4.19
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB3	10	4.19
(1,740)	1:120:A:ALA:HB1	1:19:A:ALA:H	3	4.19
(1,740)	1:120:A:ALA:HB2	1:19:A:ALA:H	3	4.19
(1,740)	1:120:A:ALA:HB3	1:19:A:ALA:H	3	4.19
(1,686)	1:139:A:PHE:HE1	1:131:A:LEU:H	2	4.11
(1,687)	1:139:A:PHE:HZ	1:131:A:LEU:H	7	4.09
(1,694)	1:79:A:TYR:HD1	1:99:A:SER:H	1	4.07
(1,822)	1:136:A:PRO:HA	1:139:A:PHE:HD1	8	4.03
(1,711)	1:87:A:ILE:HD11	1:43:A:SER:H	6	4.02
(1,711)	1:87:A:ILE:HD12	1:43:A:SER:H	6	4.02
(1,711)	1:87:A:ILE:HD13	1:43:A:SER:H	6	4.02
(1,711)	1:87:A:ILE:HD11	1:43:A:SER:H	7	3.95
(1,711)	1:87:A:ILE:HD12	1:43:A:SER:H	7	3.95
(1,711)	1:87:A:ILE:HD13	1:43:A:SER:H	7	3.95
(1,1140)	1:102:A:GLY:HA2	1:20:A:PHE:HD1	8	3.94
(1,1140)	1:102:A:GLY:HA3	1:20:A:PHE:HD1	8	3.94
(1,686)	1:139:A:PHE:HE1	1:131:A:LEU:H	5	3.89
(1,681)	1:132:A:THR:HG21	1:127:A:VAL:H	3	3.89
(1,681)	1:132:A:THR:HG22	1:127:A:VAL:H	3	3.89
(1,681)	1:132:A:THR:HG23	1:127:A:VAL:H	3	3.89
(1,1140)	1:102:A:GLY:HA2	1:20:A:PHE:HD1	10	3.87
(1,1140)	1:102:A:GLY:HA3	1:20:A:PHE:HD1	10	3.87
(1,740)	1:120:A:ALA:HB1	1:19:A:ALA:H	7	3.87
(1,740)	1:120:A:ALA:HB2	1:19:A:ALA:H	7	3.87
(1,740)	1:120:A:ALA:HB3	1:19:A:ALA:H	7	3.87
(1,711)	1:87:A:ILE:HD11	1:43:A:SER:H	8	3.86
(1,711)	1:87:A:ILE:HD12	1:43:A:SER:H	8	3.86
(1,711)	1:87:A:ILE:HD13	1:43:A:SER:H	8	3.86
(1,1140)	1:102:A:GLY:HA2	1:20:A:PHE:HD1	2	3.85
(1,1140)	1:102:A:GLY:HA3	1:20:A:PHE:HD1	2	3.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:38:A:ILE:HG21	1:91:A:SER:H	1	3.83
(1,716)	1:38:A:ILE:HG22	1:91:A:SER:H	1	3.83
(1,716)	1:38:A:ILE:HG23	1:91:A:SER:H	1	3.83
(1,1140)	1:102:A:GLY:HA2	1:20:A:PHE:HD1	1	3.82
(1,1140)	1:102:A:GLY:HA3	1:20:A:PHE:HD1	1	3.82
(1,694)	1:79:A:TYR:HD1	1:99:A:SER:H	10	3.82
(1,740)	1:120:A:ALA:HB1	1:19:A:ALA:H	9	3.81
(1,740)	1:120:A:ALA:HB2	1:19:A:ALA:H	9	3.81
(1,740)	1:120:A:ALA:HB3	1:19:A:ALA:H	9	3.81
(1,716)	1:38:A:ILE:HG21	1:91:A:SER:H	4	3.81
(1,716)	1:38:A:ILE:HG22	1:91:A:SER:H	4	3.81
(1,716)	1:38:A:ILE:HG23	1:91:A:SER:H	4	3.81
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB1	5	3.77
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB2	5	3.77
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB3	5	3.77
(1,1140)	1:102:A:GLY:HA2	1:20:A:PHE:HD1	7	3.76
(1,1140)	1:102:A:GLY:HA3	1:20:A:PHE:HD1	7	3.76
(1,1128)	1:41:A:THR:HG21	1:140:A:TYR:HE1	9	3.74
(1,1128)	1:41:A:THR:HG22	1:140:A:TYR:HE1	9	3.74
(1,1128)	1:41:A:THR:HG23	1:140:A:TYR:HE1	9	3.74
(1,1140)	1:102:A:GLY:HA2	1:20:A:PHE:HD1	5	3.73
(1,1140)	1:102:A:GLY:HA3	1:20:A:PHE:HD1	5	3.73
(1,696)	1:79:A:TYR:HD1	1:100:A:ALA:H	10	3.71
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD11	6	3.7
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD12	6	3.7
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD13	6	3.7
(1,716)	1:38:A:ILE:HG21	1:91:A:SER:H	8	3.7
(1,716)	1:38:A:ILE:HG22	1:91:A:SER:H	8	3.7
(1,716)	1:38:A:ILE:HG23	1:91:A:SER:H	8	3.7
(1,740)	1:120:A:ALA:HB1	1:19:A:ALA:H	6	3.69
(1,740)	1:120:A:ALA:HB2	1:19:A:ALA:H	6	3.69
(1,740)	1:120:A:ALA:HB3	1:19:A:ALA:H	6	3.69
(1,716)	1:38:A:ILE:HG21	1:91:A:SER:H	3	3.66
(1,716)	1:38:A:ILE:HG22	1:91:A:SER:H	3	3.66
(1,716)	1:38:A:ILE:HG23	1:91:A:SER:H	3	3.66
(1,716)	1:38:A:ILE:HG21	1:91:A:SER:H	10	3.66
(1,716)	1:38:A:ILE:HG22	1:91:A:SER:H	10	3.66
(1,716)	1:38:A:ILE:HG23	1:91:A:SER:H	10	3.66
(1,681)	1:132:A:THR:HG21	1:127:A:VAL:H	4	3.63
(1,681)	1:132:A:THR:HG22	1:127:A:VAL:H	4	3.63
(1,681)	1:132:A:THR:HG23	1:127:A:VAL:H	4	3.63
(1,716)	1:38:A:ILE:HG21	1:91:A:SER:H	9	3.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:38:A:ILE:HG22	1:91:A:SER:H	9	3.62
(1,716)	1:38:A:ILE:HG23	1:91:A:SER:H	9	3.62
(1,1140)	1:102:A:GLY:HA2	1:20:A:PHE:HD1	3	3.61
(1,1140)	1:102:A:GLY:HA3	1:20:A:PHE:HD1	3	3.61
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB1	7	3.6
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB2	7	3.6
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB3	7	3.6
(1,707)	1:68:A:ALA:HB1	1:104:A:VAL:H	7	3.6
(1,707)	1:68:A:ALA:HB2	1:104:A:VAL:H	7	3.6
(1,707)	1:68:A:ALA:HB3	1:104:A:VAL:H	7	3.6
(1,1208)	1:127:A:VAL:HG11	1:139:A:PHE:HD1	9	3.54
(1,1208)	1:127:A:VAL:HG12	1:139:A:PHE:HD1	9	3.54
(1,1208)	1:127:A:VAL:HG13	1:139:A:PHE:HD1	9	3.54
(1,716)	1:38:A:ILE:HG21	1:91:A:SER:H	2	3.53
(1,716)	1:38:A:ILE:HG22	1:91:A:SER:H	2	3.53
(1,716)	1:38:A:ILE:HG23	1:91:A:SER:H	2	3.53
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD21	8	3.52
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD22	8	3.52
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD23	8	3.52
(1,694)	1:79:A:TYR:HD1	1:99:A:SER:H	6	3.51
(1,1121)	1:80:A:VAL:HG21	1:93:A:TYR:HD1	9	3.49
(1,1121)	1:80:A:VAL:HG22	1:93:A:TYR:HD1	9	3.49
(1,1121)	1:80:A:VAL:HG23	1:93:A:TYR:HD1	9	3.49
(1,697)	1:79:A:TYR:HE1	1:100:A:ALA:H	10	3.49
(1,662)	1:73:A:LEU:HD11	1:69:A:MET:H	5	3.49
(1,662)	1:73:A:LEU:HD12	1:69:A:MET:H	5	3.49
(1,662)	1:73:A:LEU:HD13	1:69:A:MET:H	5	3.49
(1,716)	1:38:A:ILE:HG21	1:91:A:SER:H	7	3.48
(1,716)	1:38:A:ILE:HG22	1:91:A:SER:H	7	3.48
(1,716)	1:38:A:ILE:HG23	1:91:A:SER:H	7	3.48
(1,1140)	1:102:A:GLY:HA2	1:20:A:PHE:HD1	9	3.47
(1,1140)	1:102:A:GLY:HA3	1:20:A:PHE:HD1	9	3.47
(1,1121)	1:80:A:VAL:HG21	1:93:A:TYR:HD1	5	3.47
(1,1121)	1:80:A:VAL:HG22	1:93:A:TYR:HD1	5	3.47
(1,1121)	1:80:A:VAL:HG23	1:93:A:TYR:HD1	5	3.47
(1,1140)	1:102:A:GLY:HA2	1:20:A:PHE:HD1	4	3.45
(1,1140)	1:102:A:GLY:HA3	1:20:A:PHE:HD1	4	3.45
(1,662)	1:73:A:LEU:HD11	1:69:A:MET:H	1	3.45
(1,662)	1:73:A:LEU:HD12	1:69:A:MET:H	1	3.45
(1,662)	1:73:A:LEU:HD13	1:69:A:MET:H	1	3.45
(1,716)	1:38:A:ILE:HG21	1:91:A:SER:H	6	3.44
(1,716)	1:38:A:ILE:HG22	1:91:A:SER:H	6	3.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:38:A:ILE:HG23	1:91:A:SER:H	6	3.44
(1,681)	1:132:A:THR:HG21	1:127:A:VAL:H	7	3.44
(1,681)	1:132:A:THR:HG22	1:127:A:VAL:H	7	3.44
(1,681)	1:132:A:THR:HG23	1:127:A:VAL:H	7	3.44
(1,681)	1:132:A:THR:HG21	1:127:A:VAL:H	5	3.42
(1,681)	1:132:A:THR:HG22	1:127:A:VAL:H	5	3.42
(1,681)	1:132:A:THR:HG23	1:127:A:VAL:H	5	3.42
(1,686)	1:139:A:PHE:HE1	1:131:A:LEU:H	9	3.41
(1,716)	1:38:A:ILE:HG21	1:91:A:SER:H	5	3.38
(1,716)	1:38:A:ILE:HG22	1:91:A:SER:H	5	3.38
(1,716)	1:38:A:ILE:HG23	1:91:A:SER:H	5	3.38
(1,694)	1:79:A:TYR:HD1	1:99:A:SER:H	2	3.38
(1,1121)	1:80:A:VAL:HG21	1:93:A:TYR:HD1	10	3.35
(1,1121)	1:80:A:VAL:HG22	1:93:A:TYR:HD1	10	3.35
(1,1121)	1:80:A:VAL:HG23	1:93:A:TYR:HD1	10	3.35
(1,694)	1:79:A:TYR:HD1	1:99:A:SER:H	8	3.35
(1,1062)	1:136:A:PRO:HG2	1:138:A:VAL:HB	2	3.34
(1,1062)	1:136:A:PRO:HG3	1:138:A:VAL:HB	2	3.34
(1,647)	1:125:A:SER:HA	1:121:A:SER:H	4	3.34
(1,694)	1:79:A:TYR:HD1	1:99:A:SER:H	3	3.33
(1,696)	1:79:A:TYR:HD1	1:100:A:ALA:H	9	3.32
(1,1062)	1:136:A:PRO:HG2	1:138:A:VAL:HB	5	3.31
(1,1062)	1:136:A:PRO:HG3	1:138:A:VAL:HB	5	3.31
(1,822)	1:136:A:PRO:HA	1:139:A:PHE:HD1	6	3.31
(1,711)	1:87:A:ILE:HD11	1:43:A:SER:H	9	3.31
(1,711)	1:87:A:ILE:HD12	1:43:A:SER:H	9	3.31
(1,711)	1:87:A:ILE:HD13	1:43:A:SER:H	9	3.31
(1,647)	1:125:A:SER:HA	1:121:A:SER:H	8	3.31
(1,1062)	1:136:A:PRO:HG2	1:138:A:VAL:HB	3	3.3
(1,1062)	1:136:A:PRO:HG3	1:138:A:VAL:HB	3	3.3
(1,1062)	1:136:A:PRO:HG2	1:138:A:VAL:HB	10	3.29
(1,1062)	1:136:A:PRO:HG3	1:138:A:VAL:HB	10	3.29
(1,1062)	1:136:A:PRO:HG2	1:138:A:VAL:HB	1	3.28
(1,1062)	1:136:A:PRO:HG3	1:138:A:VAL:HB	1	3.28
(1,1062)	1:136:A:PRO:HG2	1:138:A:VAL:HB	4	3.28
(1,1062)	1:136:A:PRO:HG3	1:138:A:VAL:HB	4	3.28
(1,647)	1:125:A:SER:HA	1:121:A:SER:H	5	3.27
(1,1062)	1:136:A:PRO:HG2	1:138:A:VAL:HB	7	3.26
(1,1062)	1:136:A:PRO:HG3	1:138:A:VAL:HB	7	3.26
(1,1140)	1:102:A:GLY:HA2	1:20:A:PHE:HD1	6	3.25
(1,1140)	1:102:A:GLY:HA3	1:20:A:PHE:HD1	6	3.25
(1,707)	1:68:A:ALA:HB1	1:104:A:VAL:H	1	3.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:68:A:ALA:HB2	1:104:A:VAL:H	1	3.24
(1,707)	1:68:A:ALA:HB3	1:104:A:VAL:H	1	3.24
(1,822)	1:136:A:PRO:HA	1:139:A:PHE:HD1	9	3.23
(1,1129)	1:137:A:ALA:HB1	1:140:A:TYR:HE1	9	3.22
(1,1129)	1:137:A:ALA:HB2	1:140:A:TYR:HE1	9	3.22
(1,1129)	1:137:A:ALA:HB3	1:140:A:TYR:HE1	9	3.22
(1,735)	1:116:A:ALA:HB1	1:19:A:ALA:H	7	3.22
(1,735)	1:116:A:ALA:HB2	1:19:A:ALA:H	7	3.22
(1,735)	1:116:A:ALA:HB3	1:19:A:ALA:H	7	3.22
(1,681)	1:132:A:THR:HG21	1:127:A:VAL:H	2	3.22
(1,681)	1:132:A:THR:HG22	1:127:A:VAL:H	2	3.22
(1,681)	1:132:A:THR:HG23	1:127:A:VAL:H	2	3.22
(1,681)	1:132:A:THR:HG21	1:127:A:VAL:H	8	3.22
(1,681)	1:132:A:THR:HG22	1:127:A:VAL:H	8	3.22
(1,681)	1:132:A:THR:HG23	1:127:A:VAL:H	8	3.22
(1,681)	1:132:A:THR:HG21	1:127:A:VAL:H	1	3.21
(1,681)	1:132:A:THR:HG22	1:127:A:VAL:H	1	3.21
(1,681)	1:132:A:THR:HG23	1:127:A:VAL:H	1	3.21
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD11	3	3.19
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD12	3	3.19
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD13	3	3.19
(1,1129)	1:137:A:ALA:HB1	1:140:A:TYR:HE1	8	3.19
(1,1129)	1:137:A:ALA:HB2	1:140:A:TYR:HE1	8	3.19
(1,1129)	1:137:A:ALA:HB3	1:140:A:TYR:HE1	8	3.19
(1,1175)	1:100:A:ALA:HA	1:79:A:TYR:HE1	7	3.17
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD11	9	3.16
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD12	9	3.16
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD13	9	3.16
(1,1062)	1:136:A:PRO:HG2	1:138:A:VAL:HB	6	3.16
(1,1062)	1:136:A:PRO:HG3	1:138:A:VAL:HB	6	3.16
(1,647)	1:125:A:SER:HA	1:121:A:SER:H	3	3.16
(1,696)	1:79:A:TYR:HD1	1:100:A:ALA:H	5	3.11
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD11	9	3.1
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD12	9	3.1
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD13	9	3.1
(1,712)	1:101:A:ILE:HD11	1:55:A:ALA:H	5	3.1
(1,712)	1:101:A:ILE:HD12	1:55:A:ALA:H	5	3.1
(1,712)	1:101:A:ILE:HD13	1:55:A:ALA:H	5	3.1
(1,711)	1:87:A:ILE:HD11	1:43:A:SER:H	4	3.1
(1,711)	1:87:A:ILE:HD12	1:43:A:SER:H	4	3.1
(1,711)	1:87:A:ILE:HD13	1:43:A:SER:H	4	3.1
(1,711)	1:87:A:ILE:HD11	1:43:A:SER:H	10	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:87:A:ILE:HD12	1:43:A:SER:H	10	3.1
(1,711)	1:87:A:ILE:HD13	1:43:A:SER:H	10	3.1
(1,697)	1:79:A:TYR:HE1	1:100:A:ALA:H	1	3.1
(1,697)	1:79:A:TYR:HE1	1:100:A:ALA:H	2	3.1
(1,712)	1:101:A:ILE:HD11	1:55:A:ALA:H	10	3.09
(1,712)	1:101:A:ILE:HD12	1:55:A:ALA:H	10	3.09
(1,712)	1:101:A:ILE:HD13	1:55:A:ALA:H	10	3.09
(1,697)	1:79:A:TYR:HE1	1:100:A:ALA:H	9	3.09
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB2	9	3.08
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB3	9	3.08
(1,1062)	1:136:A:PRO:HG2	1:138:A:VAL:HB	9	3.08
(1,1062)	1:136:A:PRO:HG3	1:138:A:VAL:HB	9	3.08
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB1	2	3.07
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB2	2	3.07
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB3	2	3.07
(1,1072)	1:80:A:VAL:HG21	1:93:A:TYR:HE1	9	3.05
(1,1072)	1:80:A:VAL:HG22	1:93:A:TYR:HE1	9	3.05
(1,1072)	1:80:A:VAL:HG23	1:93:A:TYR:HE1	9	3.05
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG21	9	3.05
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG22	9	3.05
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG23	9	3.05
(1,662)	1:73:A:LEU:HD11	1:69:A:MET:H	2	3.05
(1,662)	1:73:A:LEU:HD12	1:69:A:MET:H	2	3.05
(1,662)	1:73:A:LEU:HD13	1:69:A:MET:H	2	3.05
(1,647)	1:125:A:SER:HA	1:121:A:SER:H	6	3.05
(1,1130)	1:83:A:LEU:HD21	1:79:A:TYR:HE1	5	3.04
(1,1130)	1:83:A:LEU:HD22	1:79:A:TYR:HE1	5	3.04
(1,1130)	1:83:A:LEU:HD23	1:79:A:TYR:HE1	5	3.04
(1,1062)	1:136:A:PRO:HG2	1:138:A:VAL:HB	8	3.04
(1,1062)	1:136:A:PRO:HG3	1:138:A:VAL:HB	8	3.04
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG21	4	3.04
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG22	4	3.04
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG23	4	3.04
(1,647)	1:125:A:SER:HA	1:121:A:SER:H	1	3.04
(1,717)	1:35:A:VAL:HG21	1:90:A:ALA:H	10	3.02
(1,717)	1:35:A:VAL:HG22	1:90:A:ALA:H	10	3.02
(1,717)	1:35:A:VAL:HG23	1:90:A:ALA:H	10	3.02
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB1	10	3.0
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB2	10	3.0
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB3	10	3.0
(1,1072)	1:80:A:VAL:HG21	1:93:A:TYR:HE1	10	2.99
(1,1072)	1:80:A:VAL:HG22	1:93:A:TYR:HE1	10	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:80:A:VAL:HG23	1:93:A:TYR:HE1	10	2.99
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG21	10	2.99
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG22	10	2.99
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG23	10	2.99
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD11	5	2.98
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD12	5	2.98
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD13	5	2.98
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG21	10	2.98
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG22	10	2.98
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG23	10	2.98
(1,647)	1:125:A:SER:HA	1:121:A:SER:H	2	2.98
(1,647)	1:125:A:SER:HA	1:121:A:SER:H	7	2.96
(1,803)	1:137:A:ALA:HA	1:140:A:TYR:HD1	9	2.95
(1,696)	1:79:A:TYR:HD1	1:100:A:ALA:H	2	2.95
(1,686)	1:139:A:PHE:HE1	1:131:A:LEU:H	8	2.95
(1,735)	1:116:A:ALA:HB1	1:19:A:ALA:H	5	2.94
(1,735)	1:116:A:ALA:HB2	1:19:A:ALA:H	5	2.94
(1,735)	1:116:A:ALA:HB3	1:19:A:ALA:H	5	2.94
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD11	6	2.93
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD12	6	2.93
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD13	6	2.93
(1,707)	1:68:A:ALA:HB1	1:104:A:VAL:H	2	2.93
(1,707)	1:68:A:ALA:HB2	1:104:A:VAL:H	2	2.93
(1,707)	1:68:A:ALA:HB3	1:104:A:VAL:H	2	2.93
(1,1130)	1:83:A:LEU:HD21	1:79:A:TYR:HE1	9	2.92
(1,1130)	1:83:A:LEU:HD22	1:79:A:TYR:HE1	9	2.92
(1,1130)	1:83:A:LEU:HD23	1:79:A:TYR:HE1	9	2.92
(1,717)	1:35:A:VAL:HG21	1:90:A:ALA:H	2	2.92
(1,717)	1:35:A:VAL:HG22	1:90:A:ALA:H	2	2.92
(1,717)	1:35:A:VAL:HG23	1:90:A:ALA:H	2	2.92
(1,682)	1:111:A:ILE:HD11	1:116:A:ALA:H	8	2.92
(1,682)	1:111:A:ILE:HD12	1:116:A:ALA:H	8	2.92
(1,682)	1:111:A:ILE:HD13	1:116:A:ALA:H	8	2.92
(1,1074)	1:47:A:ALA:HB1	1:93:A:TYR:HE1	3	2.91
(1,1074)	1:47:A:ALA:HB2	1:93:A:TYR:HE1	3	2.91
(1,1074)	1:47:A:ALA:HB3	1:93:A:TYR:HE1	3	2.91
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB1	3	2.91
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB2	3	2.91
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB3	3	2.91
(1,681)	1:132:A:THR:HG21	1:127:A:VAL:H	10	2.91
(1,681)	1:132:A:THR:HG22	1:127:A:VAL:H	10	2.91
(1,681)	1:132:A:THR:HG23	1:127:A:VAL:H	10	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG21	3	2.89
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG22	3	2.89
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG23	3	2.89
(1,1124)	1:138:A:VAL:HG21	1:139:A:PHE:HD1	3	2.89
(1,1124)	1:138:A:VAL:HG22	1:139:A:PHE:HD1	3	2.89
(1,1124)	1:138:A:VAL:HG23	1:139:A:PHE:HD1	3	2.89
(1,1072)	1:80:A:VAL:HG21	1:93:A:TYR:HE1	5	2.89
(1,1072)	1:80:A:VAL:HG22	1:93:A:TYR:HE1	5	2.89
(1,1072)	1:80:A:VAL:HG23	1:93:A:TYR:HE1	5	2.89
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG21	5	2.89
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG22	5	2.89
(1,816)	1:93:A:TYR:HE1	1:80:A:VAL:HG23	5	2.89
(1,717)	1:35:A:VAL:HG21	1:90:A:ALA:H	5	2.89
(1,717)	1:35:A:VAL:HG22	1:90:A:ALA:H	5	2.89
(1,717)	1:35:A:VAL:HG23	1:90:A:ALA:H	5	2.89
(1,717)	1:35:A:VAL:HG21	1:90:A:ALA:H	8	2.89
(1,717)	1:35:A:VAL:HG22	1:90:A:ALA:H	8	2.89
(1,717)	1:35:A:VAL:HG23	1:90:A:ALA:H	8	2.89
(1,647)	1:125:A:SER:HA	1:121:A:SER:H	9	2.89
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG21	5	2.88
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG22	5	2.88
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG23	5	2.88
(1,1124)	1:138:A:VAL:HG21	1:139:A:PHE:HD1	5	2.88
(1,1124)	1:138:A:VAL:HG22	1:139:A:PHE:HD1	5	2.88
(1,1124)	1:138:A:VAL:HG23	1:139:A:PHE:HD1	5	2.88
(1,696)	1:79:A:TYR:HD1	1:100:A:ALA:H	4	2.88
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD21	2	2.86
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD22	2	2.86
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD23	2	2.86
(1,1130)	1:83:A:LEU:HD21	1:79:A:TYR:HE1	4	2.86
(1,1130)	1:83:A:LEU:HD22	1:79:A:TYR:HE1	4	2.86
(1,1130)	1:83:A:LEU:HD23	1:79:A:TYR:HE1	4	2.86
(1,1206)	1:37:A:MET:HE1	1:139:A:PHE:HD1	9	2.85
(1,1206)	1:37:A:MET:HE2	1:139:A:PHE:HD1	9	2.85
(1,1206)	1:37:A:MET:HE3	1:139:A:PHE:HD1	9	2.85
(1,1130)	1:83:A:LEU:HD21	1:79:A:TYR:HE1	8	2.85
(1,1130)	1:83:A:LEU:HD22	1:79:A:TYR:HE1	8	2.85
(1,1130)	1:83:A:LEU:HD23	1:79:A:TYR:HE1	8	2.85
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB2	5	2.85
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB3	5	2.85
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG21	2	2.85
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG22	2	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG23	2	2.85
(1,735)	1:116:A:ALA:HB1	1:19:A:ALA:H	1	2.85
(1,735)	1:116:A:ALA:HB2	1:19:A:ALA:H	1	2.85
(1,735)	1:116:A:ALA:HB3	1:19:A:ALA:H	1	2.85
(1,697)	1:79:A:TYR:HE1	1:100:A:ALA:H	5	2.85
(1,647)	1:125:A:SER:HA	1:121:A:SER:H	10	2.85
(1,717)	1:35:A:VAL:HG21	1:90:A:ALA:H	7	2.84
(1,717)	1:35:A:VAL:HG22	1:90:A:ALA:H	7	2.84
(1,717)	1:35:A:VAL:HG23	1:90:A:ALA:H	7	2.84
(1,1167)	1:139:A:PHE:HE1	1:54:A:VAL:HG11	9	2.82
(1,1167)	1:139:A:PHE:HE1	1:54:A:VAL:HG12	9	2.82
(1,1167)	1:139:A:PHE:HE1	1:54:A:VAL:HG13	9	2.82
(1,1134)	1:54:A:VAL:HG11	1:139:A:PHE:HE1	9	2.82
(1,1134)	1:54:A:VAL:HG12	1:139:A:PHE:HE1	9	2.82
(1,1134)	1:54:A:VAL:HG13	1:139:A:PHE:HE1	9	2.82
(1,1129)	1:137:A:ALA:HB1	1:140:A:TYR:HE1	6	2.82
(1,1129)	1:137:A:ALA:HB2	1:140:A:TYR:HE1	6	2.82
(1,1129)	1:137:A:ALA:HB3	1:140:A:TYR:HE1	6	2.82
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD11	1	2.81
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD12	1	2.81
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD13	1	2.81
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD11	2	2.81
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD12	2	2.81
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD13	2	2.81
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD11	8	2.81
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD12	8	2.81
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD13	8	2.81
(1,687)	1:139:A:PHE:HZ	1:131:A:LEU:H	1	2.81
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB2	3	2.8
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB3	3	2.8
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB2	7	2.8
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB3	7	2.8
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB2	8	2.8
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB3	8	2.8
(1,697)	1:79:A:TYR:HE1	1:100:A:ALA:H	4	2.8
(1,1130)	1:83:A:LEU:HD21	1:79:A:TYR:HE1	3	2.78
(1,1130)	1:83:A:LEU:HD22	1:79:A:TYR:HE1	3	2.78
(1,1130)	1:83:A:LEU:HD23	1:79:A:TYR:HE1	3	2.78
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB2	4	2.78
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB3	4	2.78
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB2	6	2.78
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB3	6	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:83:A:LEU:HB3	1:87:A:ILE:H	1	2.78
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB2	1	2.77
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB3	1	2.77
(1,717)	1:35:A:VAL:HG21	1:90:A:ALA:H	4	2.77
(1,717)	1:35:A:VAL:HG22	1:90:A:ALA:H	4	2.77
(1,717)	1:35:A:VAL:HG23	1:90:A:ALA:H	4	2.77
(1,687)	1:139:A:PHE:HZ	1:131:A:LEU:H	3	2.77
(1,649)	1:134:A:TYR:HD1	1:138:A:VAL:H	8	2.77
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG11	8	2.76
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG12	8	2.76
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG13	8	2.76
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB2	10	2.76
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB3	10	2.76
(1,681)	1:132:A:THR:HG21	1:127:A:VAL:H	9	2.75
(1,681)	1:132:A:THR:HG22	1:127:A:VAL:H	9	2.75
(1,681)	1:132:A:THR:HG23	1:127:A:VAL:H	9	2.75
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB2	2	2.74
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB3	2	2.74
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB2	9	2.74
(1,888)	1:88:A:SER:HA	1:30:A:SER:HB3	9	2.74
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG21	7	2.73
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG22	7	2.73
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG23	7	2.73
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG21	7	2.73
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG22	7	2.73
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG23	7	2.73
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG21	7	2.73
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG22	7	2.73
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG23	7	2.73
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB1	9	2.72
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB2	9	2.72
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB3	9	2.72
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG21	9	2.72
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG22	9	2.72
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG23	9	2.72
(1,689)	1:69:A:MET:HE1	1:58:A:VAL:H	4	2.72
(1,689)	1:69:A:MET:HE2	1:58:A:VAL:H	4	2.72
(1,689)	1:69:A:MET:HE3	1:58:A:VAL:H	4	2.72
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG21	4	2.71
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG22	4	2.71
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG23	4	2.71
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG21	4	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG22	4	2.71
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG23	4	2.71
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG21	4	2.71
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG22	4	2.71
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG23	4	2.71
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG21	2	2.7
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG22	2	2.7
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG23	2	2.7
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG21	2	2.7
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG22	2	2.7
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG23	2	2.7
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG21	2	2.7
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG22	2	2.7
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG23	2	2.7
(1,1190)	1:20:A:PHE:HD1	1:111:A:ILE:CG2	10	2.69
(1,1138)	1:111:A:ILE:CG2	1:20:A:PHE:HD1	10	2.69
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB1	10	2.69
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB2	10	2.69
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB3	10	2.69
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG21	1	2.69
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG22	1	2.69
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG23	1	2.69
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG21	1	2.69
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG22	1	2.69
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG23	1	2.69
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG21	1	2.69
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG22	1	2.69
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG23	1	2.69
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG21	6	2.69
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG22	6	2.69
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG23	6	2.69
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG21	6	2.69
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG22	6	2.69
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG23	6	2.69
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG21	6	2.69
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG22	6	2.69
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG23	6	2.69
(1,803)	1:137:A:ALA:HA	1:140:A:TYR:HD1	8	2.69
(1,717)	1:35:A:VAL:HG21	1:90:A:ALA:H	6	2.69
(1,717)	1:35:A:VAL:HG22	1:90:A:ALA:H	6	2.69
(1,717)	1:35:A:VAL:HG23	1:90:A:ALA:H	6	2.69
(1,687)	1:139:A:PHE:HZ	1:131:A:LEU:H	2	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG21	10	2.68
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG22	10	2.68
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG23	10	2.68
(1,696)	1:79:A:TYR:HD1	1:100:A:ALA:H	1	2.68
(1,666)	1:83:A:LEU:HB3	1:87:A:ILE:H	8	2.68
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB1	8	2.67
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB2	8	2.67
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB3	8	2.67
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB1	8	2.67
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB2	8	2.67
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB3	8	2.67
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB1	8	2.67
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB2	8	2.67
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB3	8	2.67
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG21	3	2.67
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG22	3	2.67
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG23	3	2.67
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG21	3	2.67
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG22	3	2.67
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG23	3	2.67
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG21	3	2.67
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG22	3	2.67
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG23	3	2.67
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG21	8	2.67
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG22	8	2.67
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG23	8	2.67
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG21	8	2.67
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG22	8	2.67
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG23	8	2.67
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG21	8	2.67
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG22	8	2.67
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG23	8	2.67
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG11	8	2.67
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG12	8	2.67
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG13	8	2.67
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG11	8	2.67
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG12	8	2.67
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG13	8	2.67
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG11	8	2.67
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG12	8	2.67
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG13	8	2.67
(1,717)	1:35:A:VAL:HG21	1:90:A:ALA:H	9	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:35:A:VAL:HG22	1:90:A:ALA:H	9	2.67
(1,717)	1:35:A:VAL:HG23	1:90:A:ALA:H	9	2.67
(1,711)	1:87:A:ILE:HD11	1:43:A:SER:H	3	2.67
(1,711)	1:87:A:ILE:HD12	1:43:A:SER:H	3	2.67
(1,711)	1:87:A:ILE:HD13	1:43:A:SER:H	3	2.67
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG21	5	2.66
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG22	5	2.66
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG23	5	2.66
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG21	5	2.66
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG22	5	2.66
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG23	5	2.66
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG21	5	2.66
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG22	5	2.66
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG23	5	2.66
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG21	10	2.66
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG22	10	2.66
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG23	10	2.66
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG21	10	2.66
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG22	10	2.66
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG23	10	2.66
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG21	10	2.66
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG22	10	2.66
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG23	10	2.66
(1,1164)	1:140:A:TYR:HE1	1:46:A:GLN:HB2	9	2.65
(1,1164)	1:140:A:TYR:HE1	1:46:A:GLN:HB3	9	2.65
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG21	9	2.65
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG22	9	2.65
(1,843)	1:87:A:ILE:HG21	1:76:A:VAL:HG23	9	2.65
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG21	9	2.65
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG22	9	2.65
(1,843)	1:87:A:ILE:HG22	1:76:A:VAL:HG23	9	2.65
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG21	9	2.65
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG22	9	2.65
(1,843)	1:87:A:ILE:HG23	1:76:A:VAL:HG23	9	2.65
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG21	8	2.65
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG22	8	2.65
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG23	8	2.65
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD21	10	2.64
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD22	10	2.64
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD23	10	2.64
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD11	4	2.64
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD12	4	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD13	4	2.64
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD11	5	2.64
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD12	5	2.64
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD13	5	2.64
(1,1208)	1:127:A:VAL:HG11	1:139:A:PHE:HD1	6	2.63
(1,1208)	1:127:A:VAL:HG12	1:139:A:PHE:HD1	6	2.63
(1,1208)	1:127:A:VAL:HG13	1:139:A:PHE:HD1	6	2.63
(1,1130)	1:83:A:LEU:HD21	1:79:A:TYR:HE1	6	2.63
(1,1130)	1:83:A:LEU:HD22	1:79:A:TYR:HE1	6	2.63
(1,1130)	1:83:A:LEU:HD23	1:79:A:TYR:HE1	6	2.63
(1,1090)	1:119:A:ALA:HB1	1:105:A:LEU:HG	2	2.63
(1,1090)	1:119:A:ALA:HB2	1:105:A:LEU:HG	2	2.63
(1,1090)	1:119:A:ALA:HB3	1:105:A:LEU:HG	2	2.63
(1,1090)	1:119:A:ALA:HB1	1:105:A:LEU:HG	6	2.63
(1,1090)	1:119:A:ALA:HB2	1:105:A:LEU:HG	6	2.63
(1,1090)	1:119:A:ALA:HB3	1:105:A:LEU:HG	6	2.63
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD11	5	2.63
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD12	5	2.63
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD13	5	2.63
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD11	5	2.63
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD12	5	2.63
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD13	5	2.63
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD11	5	2.63
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD12	5	2.63
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD13	5	2.63
(1,988)	1:119:A:ALA:HB1	1:111:A:ILE:CG2	4	2.63
(1,988)	1:119:A:ALA:HB2	1:111:A:ILE:CG2	4	2.63
(1,988)	1:119:A:ALA:HB3	1:111:A:ILE:CG2	4	2.63
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB1	4	2.63
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB2	4	2.63
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB3	4	2.63
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB1	6	2.63
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB2	6	2.63
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB3	6	2.63
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD21	1	2.63
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD22	1	2.63
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD23	1	2.63
(1,689)	1:69:A:MET:HE1	1:58:A:VAL:H	8	2.63
(1,689)	1:69:A:MET:HE2	1:58:A:VAL:H	8	2.63
(1,689)	1:69:A:MET:HE3	1:58:A:VAL:H	8	2.63
(1,1090)	1:119:A:ALA:HB1	1:105:A:LEU:HG	3	2.62
(1,1090)	1:119:A:ALA:HB2	1:105:A:LEU:HG	3	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:119:A:ALA:HB3	1:105:A:LEU:HG	3	2.62
(1,1058)	1:45:A:ASP:HA	1:48:A:VAL:HB	8	2.62
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD11	1	2.62
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD12	1	2.62
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD13	1	2.62
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD11	1	2.62
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD12	1	2.62
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD13	1	2.62
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD11	1	2.62
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD12	1	2.62
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD13	1	2.62
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD11	9	2.62
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD12	9	2.62
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD13	9	2.62
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB1	9	2.62
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB2	9	2.62
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB3	9	2.62
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB1	4	2.62
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB2	4	2.62
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB3	4	2.62
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB1	4	2.62
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB2	4	2.62
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB3	4	2.62
(1,576)	1:128:A:THR:HA	1:131:A:LEU:H	10	2.62
(1,1208)	1:127:A:VAL:HG11	1:139:A:PHE:HD1	2	2.61
(1,1208)	1:127:A:VAL:HG12	1:139:A:PHE:HD1	2	2.61
(1,1208)	1:127:A:VAL:HG13	1:139:A:PHE:HD1	2	2.61
(1,1090)	1:119:A:ALA:HB1	1:105:A:LEU:HG	8	2.61
(1,1090)	1:119:A:ALA:HB2	1:105:A:LEU:HG	8	2.61
(1,1090)	1:119:A:ALA:HB3	1:105:A:LEU:HG	8	2.61
(1,1090)	1:119:A:ALA:HB1	1:105:A:LEU:HG	9	2.61
(1,1090)	1:119:A:ALA:HB2	1:105:A:LEU:HG	9	2.61
(1,1090)	1:119:A:ALA:HB3	1:105:A:LEU:HG	9	2.61
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG21	10	2.61
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG22	10	2.61
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG23	10	2.61
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG21	7	2.61
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG22	7	2.61
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG23	7	2.61
(1,734)	1:120:A:ALA:HB1	1:23:A:SER:H	4	2.61
(1,734)	1:120:A:ALA:HB2	1:23:A:SER:H	4	2.61
(1,734)	1:120:A:ALA:HB3	1:23:A:SER:H	4	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:119:A:ALA:HB1	1:105:A:LEU:HG	4	2.6
(1,1090)	1:119:A:ALA:HB2	1:105:A:LEU:HG	4	2.6
(1,1090)	1:119:A:ALA:HB3	1:105:A:LEU:HG	4	2.6
(1,1090)	1:119:A:ALA:HB1	1:105:A:LEU:HG	7	2.6
(1,1090)	1:119:A:ALA:HB2	1:105:A:LEU:HG	7	2.6
(1,1090)	1:119:A:ALA:HB3	1:105:A:LEU:HG	7	2.6
(1,1058)	1:45:A:ASP:HA	1:48:A:VAL:HB	10	2.6
(1,988)	1:119:A:ALA:HB1	1:111:A:ILE:CG2	7	2.6
(1,988)	1:119:A:ALA:HB2	1:111:A:ILE:CG2	7	2.6
(1,988)	1:119:A:ALA:HB3	1:111:A:ILE:CG2	7	2.6
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB1	7	2.6
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB2	7	2.6
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB3	7	2.6
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB1	7	2.6
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB2	7	2.6
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB3	7	2.6
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG21	10	2.6
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG22	10	2.6
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG23	10	2.6
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG21	10	2.6
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG22	10	2.6
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG23	10	2.6
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG21	10	2.6
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG22	10	2.6
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG23	10	2.6
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG11	1	2.6
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG12	1	2.6
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG13	1	2.6
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG11	1	2.6
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG12	1	2.6
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG13	1	2.6
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG11	1	2.6
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG12	1	2.6
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG13	1	2.6
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG21	2	2.59
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG22	2	2.59
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG23	2	2.59
(1,1124)	1:138:A:VAL:HG21	1:139:A:PHE:HD1	2	2.59
(1,1124)	1:138:A:VAL:HG22	1:139:A:PHE:HD1	2	2.59
(1,1124)	1:138:A:VAL:HG23	1:139:A:PHE:HD1	2	2.59
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD11	10	2.59
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD12	10	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD13	10	2.59
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG21	7	2.59
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG22	7	2.59
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG23	7	2.59
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB1	1	2.59
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB2	1	2.59
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB3	1	2.59
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB1	1	2.59
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB2	1	2.59
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB3	1	2.59
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD21	9	2.59
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD22	9	2.59
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD23	9	2.59
(1,735)	1:116:A:ALA:HB1	1:19:A:ALA:H	8	2.59
(1,735)	1:116:A:ALA:HB2	1:19:A:ALA:H	8	2.59
(1,735)	1:116:A:ALA:HB3	1:19:A:ALA:H	8	2.59
(1,1132)	1:127:A:VAL:HA	1:139:A:PHE:HD1	8	2.58
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG21	2	2.58
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG22	2	2.58
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG23	2	2.58
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG21	8	2.58
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG22	8	2.58
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG23	8	2.58
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG11	6	2.57
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG12	6	2.57
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG13	6	2.57
(1,1066)	1:130:A:THR:HG21	1:134:A:TYR:HE1	2	2.57
(1,1066)	1:130:A:THR:HG22	1:134:A:TYR:HE1	2	2.57
(1,1066)	1:130:A:THR:HG23	1:134:A:TYR:HE1	2	2.57
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD11	5	2.57
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD12	5	2.57
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD13	5	2.57
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG21	3	2.57
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG22	3	2.57
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG23	3	2.57
(1,1058)	1:45:A:ASP:HA	1:48:A:VAL:HB	6	2.56
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD11	2	2.56
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD12	2	2.56
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD13	2	2.56
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD11	3	2.56
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD12	3	2.56
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD13	3	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB1	1	2.56
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB2	1	2.56
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB3	1	2.56
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB1	1	2.56
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB2	1	2.56
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB3	1	2.56
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB1	1	2.56
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB2	1	2.56
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB3	1	2.56
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG11	1	2.56
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG12	1	2.56
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG13	1	2.56
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG11	1	2.56
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG12	1	2.56
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG13	1	2.56
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG11	1	2.56
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG12	1	2.56
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG13	1	2.56
(1,1175)	1:100:A:ALA:HA	1:79:A:TYR:HE1	9	2.55
(1,1174)	1:96:A:ALA:HA	1:79:A:TYR:HE1	8	2.55
(1,681)	1:132:A:THR:HG21	1:127:A:VAL:H	6	2.55
(1,681)	1:132:A:THR:HG22	1:127:A:VAL:H	6	2.55
(1,681)	1:132:A:THR:HG23	1:127:A:VAL:H	6	2.55
(1,1174)	1:96:A:ALA:HA	1:79:A:TYR:HE1	9	2.53
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG21	1	2.53
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG22	1	2.53
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG23	1	2.53
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG21	4	2.53
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG22	4	2.53
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG23	4	2.53
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD11	10	2.52
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD12	10	2.52
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD13	10	2.52
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD11	8	2.52
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD12	8	2.52
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD13	8	2.52
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG21	1	2.51
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG22	1	2.51
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG23	1	2.51
(1,707)	1:68:A:ALA:HB1	1:104:A:VAL:H	4	2.51
(1,707)	1:68:A:ALA:HB2	1:104:A:VAL:H	4	2.51
(1,707)	1:68:A:ALA:HB3	1:104:A:VAL:H	4	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,686)	1:139:A:PHE:HE1	1:131:A:LEU:H	6	2.51
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB1	10	2.5
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB2	10	2.5
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB3	10	2.5
(1,1173)	1:100:A:ALA:HB1	1:79:A:TYR:HE1	10	2.5
(1,1173)	1:100:A:ALA:HB2	1:79:A:TYR:HE1	10	2.5
(1,1173)	1:100:A:ALA:HB3	1:79:A:TYR:HE1	10	2.5
(1,711)	1:87:A:ILE:HD11	1:43:A:SER:H	5	2.5
(1,711)	1:87:A:ILE:HD12	1:43:A:SER:H	5	2.5
(1,711)	1:87:A:ILE:HD13	1:43:A:SER:H	5	2.5
(1,1058)	1:45:A:ASP:HA	1:48:A:VAL:HB	4	2.49
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG21	3	2.49
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG22	3	2.49
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG23	3	2.49
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG21	9	2.49
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG22	9	2.49
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG23	9	2.49
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD11	1	2.49
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD12	1	2.49
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD13	1	2.49
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG21	1	2.49
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG22	1	2.49
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG23	1	2.49
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG21	8	2.49
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG22	8	2.49
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG23	8	2.49
(1,822)	1:136:A:PRO:HA	1:139:A:PHE:HD1	2	2.49
(1,735)	1:116:A:ALA:HB1	1:19:A:ALA:H	4	2.49
(1,735)	1:116:A:ALA:HB2	1:19:A:ALA:H	4	2.49
(1,735)	1:116:A:ALA:HB3	1:19:A:ALA:H	4	2.49
(1,1204)	1:134:A:TYR:HD1	1:138:A:VAL:HG11	6	2.48
(1,1204)	1:134:A:TYR:HD1	1:138:A:VAL:HG12	6	2.48
(1,1204)	1:134:A:TYR:HD1	1:138:A:VAL:HG13	6	2.48
(1,1200)	1:138:A:VAL:HG11	1:134:A:TYR:HD1	6	2.48
(1,1200)	1:138:A:VAL:HG12	1:134:A:TYR:HD1	6	2.48
(1,1200)	1:138:A:VAL:HG13	1:134:A:TYR:HD1	6	2.48
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG21	3	2.48
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG22	3	2.48
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG23	3	2.48
(1,717)	1:35:A:VAL:HG21	1:90:A:ALA:H	3	2.48
(1,717)	1:35:A:VAL:HG22	1:90:A:ALA:H	3	2.48
(1,717)	1:35:A:VAL:HG23	1:90:A:ALA:H	3	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB1	10	2.46
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB2	10	2.46
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB3	10	2.46
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB1	10	2.46
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB2	10	2.46
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB3	10	2.46
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD11	5	2.45
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD12	5	2.45
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD13	5	2.45
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB1	5	2.45
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB2	5	2.45
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB3	5	2.45
(1,714)	1:38:A:ILE:HG21	1:90:A:ALA:H	1	2.44
(1,714)	1:38:A:ILE:HG22	1:90:A:ALA:H	1	2.44
(1,714)	1:38:A:ILE:HG23	1:90:A:ALA:H	1	2.44
(1,1132)	1:127:A:VAL:HA	1:139:A:PHE:HD1	3	2.42
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG21	1	2.42
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG22	1	2.42
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG23	1	2.42
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG21	10	2.42
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG22	10	2.42
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG23	10	2.42
(1,1208)	1:127:A:VAL:HG11	1:139:A:PHE:HD1	10	2.41
(1,1208)	1:127:A:VAL:HG12	1:139:A:PHE:HD1	10	2.41
(1,1208)	1:127:A:VAL:HG13	1:139:A:PHE:HD1	10	2.41
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD11	10	2.41
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD12	10	2.41
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD13	10	2.41
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB1	7	2.41
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB2	7	2.41
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB3	7	2.41
(1,1132)	1:127:A:VAL:HA	1:139:A:PHE:HD1	10	2.4
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD11	7	2.39
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD12	7	2.39
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD13	7	2.39
(1,736)	1:124:A:ALA:HB1	1:27:A:ASN:H	10	2.39
(1,736)	1:124:A:ALA:HB2	1:27:A:ASN:H	10	2.39
(1,736)	1:124:A:ALA:HB3	1:27:A:ASN:H	10	2.39
(1,721)	1:29:A:LEU:HD21	1:92:A:ALA:H	1	2.39
(1,721)	1:29:A:LEU:HD22	1:92:A:ALA:H	1	2.39
(1,721)	1:29:A:LEU:HD23	1:92:A:ALA:H	1	2.39
(1,650)	1:134:A:TYR:HE1	1:138:A:VAL:H	9	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:96:A:ALA:HA	1:79:A:TYR:HE1	4	2.38
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG21	6	2.38
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG22	6	2.38
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG23	6	2.38
(1,699)	1:76:A:VAL:HG21	1:100:A:ALA:H	5	2.38
(1,699)	1:76:A:VAL:HG22	1:100:A:ALA:H	5	2.38
(1,699)	1:76:A:VAL:HG23	1:100:A:ALA:H	5	2.38
(1,1190)	1:20:A:PHE:HD1	1:111:A:ILE:CG2	5	2.37
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD11	7	2.37
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD12	7	2.37
(1,1188)	1:20:A:PHE:HD1	1:101:A:ILE:HD13	7	2.37
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG21	6	2.37
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG22	6	2.37
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG23	6	2.37
(1,1138)	1:111:A:ILE:CG2	1:20:A:PHE:HD1	5	2.37
(1,694)	1:79:A:TYR:HD1	1:99:A:SER:H	7	2.37
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD21	3	2.36
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD22	3	2.36
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD23	3	2.36
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD11	5	2.35
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD12	5	2.35
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD13	5	2.35
(1,739)	1:120:A:ALA:HB1	1:20:A:PHE:H	4	2.35
(1,739)	1:120:A:ALA:HB2	1:20:A:PHE:H	4	2.35
(1,739)	1:120:A:ALA:HB3	1:20:A:PHE:H	4	2.35
(1,690)	1:72:A:LEU:HD11	1:59:A:GLY:H	6	2.35
(1,690)	1:72:A:LEU:HD12	1:59:A:GLY:H	6	2.35
(1,690)	1:72:A:LEU:HD13	1:59:A:GLY:H	6	2.35
(1,662)	1:73:A:LEU:HD11	1:69:A:MET:H	7	2.35
(1,662)	1:73:A:LEU:HD12	1:69:A:MET:H	7	2.35
(1,662)	1:73:A:LEU:HD13	1:69:A:MET:H	7	2.35
(1,1174)	1:96:A:ALA:HA	1:79:A:TYR:HE1	5	2.34
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG21	5	2.34
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG22	5	2.34
(1,979)	1:90:A:ALA:HA	1:38:A:ILE:HG23	5	2.34
(1,736)	1:124:A:ALA:HB1	1:27:A:ASN:H	2	2.34
(1,736)	1:124:A:ALA:HB2	1:27:A:ASN:H	2	2.34
(1,736)	1:124:A:ALA:HB3	1:27:A:ASN:H	2	2.34
(1,735)	1:116:A:ALA:HB1	1:19:A:ALA:H	2	2.34
(1,735)	1:116:A:ALA:HB2	1:19:A:ALA:H	2	2.34
(1,735)	1:116:A:ALA:HB3	1:19:A:ALA:H	2	2.34
(1,735)	1:116:A:ALA:HB1	1:19:A:ALA:H	3	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:116:A:ALA:HB2	1:19:A:ALA:H	3	2.34
(1,735)	1:116:A:ALA:HB3	1:19:A:ALA:H	3	2.34
(1,713)	1:97:A:ILE:HD11	1:51:A:ALA:H	7	2.34
(1,713)	1:97:A:ILE:HD12	1:51:A:ALA:H	7	2.34
(1,713)	1:97:A:ILE:HD13	1:51:A:ALA:H	7	2.34
(1,712)	1:101:A:ILE:HD11	1:55:A:ALA:H	7	2.34
(1,712)	1:101:A:ILE:HD12	1:55:A:ALA:H	7	2.34
(1,712)	1:101:A:ILE:HD13	1:55:A:ALA:H	7	2.34
(1,662)	1:73:A:LEU:HD11	1:69:A:MET:H	6	2.33
(1,662)	1:73:A:LEU:HD12	1:69:A:MET:H	6	2.33
(1,662)	1:73:A:LEU:HD13	1:69:A:MET:H	6	2.33
(1,1058)	1:45:A:ASP:HA	1:48:A:VAL:HB	7	2.32
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG21	5	2.32
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG22	5	2.32
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG23	5	2.32
(1,739)	1:120:A:ALA:HB1	1:20:A:PHE:H	1	2.32
(1,739)	1:120:A:ALA:HB2	1:20:A:PHE:H	1	2.32
(1,739)	1:120:A:ALA:HB3	1:20:A:PHE:H	1	2.32
(1,1132)	1:127:A:VAL:HA	1:139:A:PHE:HD1	5	2.31
(1,699)	1:76:A:VAL:HG21	1:100:A:ALA:H	10	2.31
(1,699)	1:76:A:VAL:HG22	1:100:A:ALA:H	10	2.31
(1,699)	1:76:A:VAL:HG23	1:100:A:ALA:H	10	2.31
(1,1174)	1:96:A:ALA:HA	1:79:A:TYR:HE1	1	2.29
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG21	4	2.29
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG22	4	2.29
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG23	4	2.29
(1,1075)	1:38:A:ILE:HG21	1:93:A:TYR:HE1	4	2.29
(1,1075)	1:38:A:ILE:HG22	1:93:A:TYR:HE1	4	2.29
(1,1075)	1:38:A:ILE:HG23	1:93:A:TYR:HE1	4	2.29
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD11	4	2.29
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD12	4	2.29
(1,946)	1:20:A:PHE:HE1	1:101:A:ILE:HD13	4	2.29
(1,803)	1:137:A:ALA:HA	1:140:A:TYR:HD1	6	2.29
(1,669)	1:127:A:VAL:HG21	1:131:A:LEU:H	3	2.29
(1,669)	1:127:A:VAL:HG22	1:131:A:LEU:H	3	2.29
(1,669)	1:127:A:VAL:HG23	1:131:A:LEU:H	3	2.29
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG21	9	2.28
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG22	9	2.28
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG23	9	2.28
(1,1075)	1:38:A:ILE:HG21	1:93:A:TYR:HE1	9	2.28
(1,1075)	1:38:A:ILE:HG22	1:93:A:TYR:HE1	9	2.28
(1,1075)	1:38:A:ILE:HG23	1:93:A:TYR:HE1	9	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,990)	1:116:A:ALA:HA	1:111:A:ILE:CG2	7	2.28
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB1	2	2.27
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB2	2	2.27
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB3	2	2.27
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB1	5	2.27
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB2	5	2.27
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB3	5	2.27
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB1	5	2.27
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB2	5	2.27
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB3	5	2.27
(1,696)	1:79:A:TYR:HD1	1:100:A:ALA:H	6	2.27
(1,669)	1:127:A:VAL:HG21	1:131:A:LEU:H	1	2.27
(1,669)	1:127:A:VAL:HG22	1:131:A:LEU:H	1	2.27
(1,669)	1:127:A:VAL:HG23	1:131:A:LEU:H	1	2.27
(1,990)	1:116:A:ALA:HA	1:111:A:ILE:CG2	6	2.25
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB1	10	2.25
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB2	10	2.25
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB3	10	2.25
(1,785)	1:100:A:ALA:HB1	1:79:A:TYR:HD1	10	2.25
(1,785)	1:100:A:ALA:HB2	1:79:A:TYR:HD1	10	2.25
(1,785)	1:100:A:ALA:HB3	1:79:A:TYR:HD1	10	2.25
(1,697)	1:79:A:TYR:HE1	1:100:A:ALA:H	3	2.25
(1,696)	1:79:A:TYR:HD1	1:100:A:ALA:H	3	2.25
(1,739)	1:120:A:ALA:HB1	1:20:A:PHE:H	10	2.24
(1,739)	1:120:A:ALA:HB2	1:20:A:PHE:H	10	2.24
(1,739)	1:120:A:ALA:HB3	1:20:A:PHE:H	10	2.24
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG21	2	2.23
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG22	2	2.23
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG23	2	2.23
(1,661)	1:69:A:MET:HE1	1:65:A:ASP:H	6	2.23
(1,661)	1:69:A:MET:HE2	1:65:A:ASP:H	6	2.23
(1,661)	1:69:A:MET:HE3	1:65:A:ASP:H	6	2.23
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG11	9	2.22
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG12	9	2.22
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG13	9	2.22
(1,1122)	1:54:A:VAL:HG11	1:139:A:PHE:HD1	9	2.22
(1,1122)	1:54:A:VAL:HG12	1:139:A:PHE:HD1	9	2.22
(1,1122)	1:54:A:VAL:HG13	1:139:A:PHE:HD1	9	2.22
(1,739)	1:120:A:ALA:HB1	1:20:A:PHE:H	5	2.22
(1,739)	1:120:A:ALA:HB2	1:20:A:PHE:H	5	2.22
(1,739)	1:120:A:ALA:HB3	1:20:A:PHE:H	5	2.22
(1,666)	1:83:A:LEU:HB3	1:87:A:ILE:H	9	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:68:A:ALA:HB1	1:104:A:VAL:H	5	2.21
(1,707)	1:68:A:ALA:HB2	1:104:A:VAL:H	5	2.21
(1,707)	1:68:A:ALA:HB3	1:104:A:VAL:H	5	2.21
(1,661)	1:69:A:MET:HE1	1:65:A:ASP:H	5	2.21
(1,661)	1:69:A:MET:HE2	1:65:A:ASP:H	5	2.21
(1,661)	1:69:A:MET:HE3	1:65:A:ASP:H	5	2.21
(1,1175)	1:100:A:ALA:HA	1:79:A:TYR:HE1	5	2.2
(1,1130)	1:83:A:LEU:HD21	1:79:A:TYR:HE1	1	2.2
(1,1130)	1:83:A:LEU:HD22	1:79:A:TYR:HE1	1	2.2
(1,1130)	1:83:A:LEU:HD23	1:79:A:TYR:HE1	1	2.2
(1,1066)	1:130:A:THR:HG21	1:134:A:TYR:HE1	3	2.2
(1,1066)	1:130:A:THR:HG22	1:134:A:TYR:HE1	3	2.2
(1,1066)	1:130:A:THR:HG23	1:134:A:TYR:HE1	3	2.2
(1,1069)	1:50:A:VAL:HG11	1:140:A:TYR:HE1	9	2.19
(1,1069)	1:50:A:VAL:HG12	1:140:A:TYR:HE1	9	2.19
(1,1069)	1:50:A:VAL:HG13	1:140:A:TYR:HE1	9	2.19
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB1	10	2.19
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB2	10	2.19
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB3	10	2.19
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB1	5	2.19
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB2	5	2.19
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB3	5	2.19
(1,822)	1:136:A:PRO:HA	1:139:A:PHE:HD1	3	2.19
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG11	9	2.19
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG12	9	2.19
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG13	9	2.19
(1,739)	1:120:A:ALA:HB1	1:20:A:PHE:H	8	2.19
(1,739)	1:120:A:ALA:HB2	1:20:A:PHE:H	8	2.19
(1,739)	1:120:A:ALA:HB3	1:20:A:PHE:H	8	2.19
(1,689)	1:69:A:MET:HE1	1:58:A:VAL:H	5	2.19
(1,689)	1:69:A:MET:HE2	1:58:A:VAL:H	5	2.19
(1,689)	1:69:A:MET:HE3	1:58:A:VAL:H	5	2.19
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG21	8	2.18
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG22	8	2.18
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG23	8	2.18
(1,1074)	1:47:A:ALA:HB1	1:93:A:TYR:HE1	4	2.18
(1,1074)	1:47:A:ALA:HB2	1:93:A:TYR:HE1	4	2.18
(1,1074)	1:47:A:ALA:HB3	1:93:A:TYR:HE1	4	2.18
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB1	4	2.18
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB2	4	2.18
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB3	4	2.18
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB1	2	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB2	2	2.18
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB3	2	2.18
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB1	2	2.18
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB2	2	2.18
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB3	2	2.18
(1,822)	1:136:A:PRO:HA	1:139:A:PHE:HD1	5	2.18
(1,712)	1:101:A:ILE:HD11	1:55:A:ALA:H	8	2.18
(1,712)	1:101:A:ILE:HD12	1:55:A:ALA:H	8	2.18
(1,712)	1:101:A:ILE:HD13	1:55:A:ALA:H	8	2.18
(1,1123)	1:50:A:VAL:HG21	1:139:A:PHE:HD1	9	2.17
(1,1123)	1:50:A:VAL:HG22	1:139:A:PHE:HD1	9	2.17
(1,1123)	1:50:A:VAL:HG23	1:139:A:PHE:HD1	9	2.17
(1,718)	1:38:A:ILE:HG21	1:93:A:TYR:H	10	2.17
(1,718)	1:38:A:ILE:HG22	1:93:A:TYR:H	10	2.17
(1,718)	1:38:A:ILE:HG23	1:93:A:TYR:H	10	2.17
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG21	5	2.16
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG22	5	2.16
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG23	5	2.16
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB1	3	2.16
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB2	3	2.16
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB3	3	2.16
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD21	2	2.16
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD22	2	2.16
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD23	2	2.16
(1,735)	1:116:A:ALA:HB1	1:19:A:ALA:H	10	2.16
(1,735)	1:116:A:ALA:HB2	1:19:A:ALA:H	10	2.16
(1,735)	1:116:A:ALA:HB3	1:19:A:ALA:H	10	2.16
(1,689)	1:69:A:MET:HE1	1:58:A:VAL:H	10	2.16
(1,689)	1:69:A:MET:HE2	1:58:A:VAL:H	10	2.16
(1,689)	1:69:A:MET:HE3	1:58:A:VAL:H	10	2.16
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG21	5	2.15
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG22	5	2.15
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG23	5	2.15
(1,576)	1:128:A:THR:HA	1:131:A:LEU:H	4	2.15
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD11	9	2.14
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD12	9	2.14
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD13	9	2.14
(1,1172)	1:99:A:SER:HB2	1:79:A:TYR:HE1	1	2.14
(1,1172)	1:99:A:SER:HB3	1:79:A:TYR:HE1	1	2.14
(1,1119)	1:38:A:ILE:HG21	1:93:A:TYR:HD1	4	2.14
(1,1119)	1:38:A:ILE:HG22	1:93:A:TYR:HD1	4	2.14
(1,1119)	1:38:A:ILE:HG23	1:93:A:TYR:HD1	4	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:119:A:ALA:HB1	1:105:A:LEU:HG	1	2.14
(1,1090)	1:119:A:ALA:HB2	1:105:A:LEU:HG	1	2.14
(1,1090)	1:119:A:ALA:HB3	1:105:A:LEU:HG	1	2.14
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG21	4	2.14
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG22	4	2.14
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG23	4	2.14
(1,697)	1:79:A:TYR:HE1	1:100:A:ALA:H	7	2.14
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG21	10	2.13
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG22	10	2.13
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG23	10	2.13
(1,1124)	1:138:A:VAL:HG21	1:139:A:PHE:HD1	10	2.13
(1,1124)	1:138:A:VAL:HG22	1:139:A:PHE:HD1	10	2.13
(1,1124)	1:138:A:VAL:HG23	1:139:A:PHE:HD1	10	2.13
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD21	8	2.13
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD22	8	2.13
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD23	8	2.13
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD11	4	2.12
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD12	4	2.12
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD13	4	2.12
(1,1090)	1:119:A:ALA:HB1	1:105:A:LEU:HG	5	2.12
(1,1090)	1:119:A:ALA:HB2	1:105:A:LEU:HG	5	2.12
(1,1090)	1:119:A:ALA:HB3	1:105:A:LEU:HG	5	2.12
(1,1077)	1:38:A:ILE:HD11	1:93:A:TYR:HE1	4	2.12
(1,1077)	1:38:A:ILE:HD12	1:93:A:TYR:HE1	4	2.12
(1,1077)	1:38:A:ILE:HD13	1:93:A:TYR:HE1	4	2.12
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG11	10	2.12
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG12	10	2.12
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG13	10	2.12
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG11	10	2.12
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG12	10	2.12
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG13	10	2.12
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG11	10	2.12
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG12	10	2.12
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG13	10	2.12
(1,707)	1:68:A:ALA:HB1	1:104:A:VAL:H	6	2.11
(1,707)	1:68:A:ALA:HB2	1:104:A:VAL:H	6	2.11
(1,707)	1:68:A:ALA:HB3	1:104:A:VAL:H	6	2.11
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB1	3	2.1
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB2	3	2.1
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB3	3	2.1
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB1	3	2.1
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB2	3	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB3	3	2.1
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB1	3	2.1
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB2	3	2.1
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB3	3	2.1
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB1	3	2.1
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB2	3	2.1
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB3	3	2.1
(1,735)	1:116:A:ALA:HB1	1:19:A:ALA:H	9	2.1
(1,735)	1:116:A:ALA:HB2	1:19:A:ALA:H	9	2.1
(1,735)	1:116:A:ALA:HB3	1:19:A:ALA:H	9	2.1
(1,718)	1:38:A:ILE:HG21	1:93:A:TYR:H	4	2.1
(1,718)	1:38:A:ILE:HG22	1:93:A:TYR:H	4	2.1
(1,718)	1:38:A:ILE:HG23	1:93:A:TYR:H	4	2.1
(1,690)	1:72:A:LEU:HD11	1:59:A:GLY:H	4	2.1
(1,690)	1:72:A:LEU:HD12	1:59:A:GLY:H	4	2.1
(1,690)	1:72:A:LEU:HD13	1:59:A:GLY:H	4	2.1
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD21	6	2.09
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD22	6	2.09
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD23	6	2.09
(1,739)	1:120:A:ALA:HB1	1:20:A:PHE:H	3	2.09
(1,739)	1:120:A:ALA:HB2	1:20:A:PHE:H	3	2.09
(1,739)	1:120:A:ALA:HB3	1:20:A:PHE:H	3	2.09
(1,718)	1:38:A:ILE:HG21	1:93:A:TYR:H	8	2.09
(1,718)	1:38:A:ILE:HG22	1:93:A:TYR:H	8	2.09
(1,718)	1:38:A:ILE:HG23	1:93:A:TYR:H	8	2.09
(1,689)	1:69:A:MET:HE1	1:58:A:VAL:H	9	2.09
(1,689)	1:69:A:MET:HE2	1:58:A:VAL:H	9	2.09
(1,689)	1:69:A:MET:HE3	1:58:A:VAL:H	9	2.09
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE1	1	2.08
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE2	1	2.08
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE3	1	2.08
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE1	1	2.08
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE2	1	2.08
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE3	1	2.08
(1,739)	1:120:A:ALA:HB1	1:20:A:PHE:H	2	2.08
(1,739)	1:120:A:ALA:HB2	1:20:A:PHE:H	2	2.08
(1,739)	1:120:A:ALA:HB3	1:20:A:PHE:H	2	2.08
(1,714)	1:38:A:ILE:HG21	1:90:A:ALA:H	8	2.08
(1,714)	1:38:A:ILE:HG22	1:90:A:ALA:H	8	2.08
(1,714)	1:38:A:ILE:HG23	1:90:A:ALA:H	8	2.08
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG21	7	2.07
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG22	7	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG23	7	2.07
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB1	2	2.07
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB2	2	2.07
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB3	2	2.07
(1,714)	1:38:A:ILE:HG21	1:90:A:ALA:H	4	2.07
(1,714)	1:38:A:ILE:HG22	1:90:A:ALA:H	4	2.07
(1,714)	1:38:A:ILE:HG23	1:90:A:ALA:H	4	2.07
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB1	8	2.06
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB2	8	2.06
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB3	8	2.06
(1,718)	1:38:A:ILE:HG21	1:93:A:TYR:H	2	2.06
(1,718)	1:38:A:ILE:HG22	1:93:A:TYR:H	2	2.06
(1,718)	1:38:A:ILE:HG23	1:93:A:TYR:H	2	2.06
(1,687)	1:139:A:PHE:HZ	1:131:A:LEU:H	5	2.06
(1,1190)	1:20:A:PHE:HD1	1:111:A:ILE:CG2	1	2.05
(1,1172)	1:99:A:SER:HB2	1:79:A:TYR:HE1	4	2.05
(1,1172)	1:99:A:SER:HB3	1:79:A:TYR:HE1	4	2.05
(1,1138)	1:111:A:ILE:CG2	1:20:A:PHE:HD1	1	2.05
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD11	7	2.05
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD12	7	2.05
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD13	7	2.05
(1,736)	1:124:A:ALA:HB1	1:27:A:ASN:H	8	2.05
(1,736)	1:124:A:ALA:HB2	1:27:A:ASN:H	8	2.05
(1,736)	1:124:A:ALA:HB3	1:27:A:ASN:H	8	2.05
(1,712)	1:101:A:ILE:HD11	1:55:A:ALA:H	2	2.05
(1,712)	1:101:A:ILE:HD12	1:55:A:ALA:H	2	2.05
(1,712)	1:101:A:ILE:HD13	1:55:A:ALA:H	2	2.05
(1,1132)	1:127:A:VAL:HA	1:139:A:PHE:HD1	9	2.04
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB1	2	2.03
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB2	2	2.03
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB3	2	2.03
(1,1175)	1:100:A:ALA:HA	1:79:A:TYR:HE1	4	2.03
(1,1173)	1:100:A:ALA:HB1	1:79:A:TYR:HE1	2	2.03
(1,1173)	1:100:A:ALA:HB2	1:79:A:TYR:HE1	2	2.03
(1,1173)	1:100:A:ALA:HB3	1:79:A:TYR:HE1	2	2.03
(1,1120)	1:38:A:ILE:HD11	1:93:A:TYR:HD1	4	2.03
(1,1120)	1:38:A:ILE:HD12	1:93:A:TYR:HD1	4	2.03
(1,1120)	1:38:A:ILE:HD13	1:93:A:TYR:HD1	4	2.03
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD11	4	2.03
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD12	4	2.03
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD13	4	2.03
(1,990)	1:116:A:ALA:HA	1:111:A:ILE:CG2	10	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:97:A:ILE:HD11	1:51:A:ALA:H	6	2.02
(1,713)	1:97:A:ILE:HD12	1:51:A:ALA:H	6	2.02
(1,713)	1:97:A:ILE:HD13	1:51:A:ALA:H	6	2.02
(1,712)	1:101:A:ILE:HD11	1:55:A:ALA:H	4	2.02
(1,712)	1:101:A:ILE:HD12	1:55:A:ALA:H	4	2.02
(1,712)	1:101:A:ILE:HD13	1:55:A:ALA:H	4	2.02
(1,1127)	1:137:A:ALA:HB1	1:140:A:TYR:HD1	9	2.01
(1,1127)	1:137:A:ALA:HB2	1:140:A:TYR:HD1	9	2.01
(1,1127)	1:137:A:ALA:HB3	1:140:A:TYR:HD1	9	2.01
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG11	5	2.01
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG12	5	2.01
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG13	5	2.01
(1,714)	1:38:A:ILE:HG21	1:90:A:ALA:H	9	2.01
(1,714)	1:38:A:ILE:HG22	1:90:A:ALA:H	9	2.01
(1,714)	1:38:A:ILE:HG23	1:90:A:ALA:H	9	2.01
(1,710)	1:101:A:ILE:HD11	1:58:A:VAL:H	8	2.01
(1,710)	1:101:A:ILE:HD12	1:58:A:VAL:H	8	2.01
(1,710)	1:101:A:ILE:HD13	1:58:A:VAL:H	8	2.01
(1,708)	1:87:A:ILE:HD11	1:47:A:ALA:H	4	2.01
(1,708)	1:87:A:ILE:HD12	1:47:A:ALA:H	4	2.01
(1,708)	1:87:A:ILE:HD13	1:47:A:ALA:H	4	2.01
(1,1190)	1:20:A:PHE:HD1	1:111:A:ILE:CG2	2	2.0
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG21	3	2.0
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG22	3	2.0
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG23	3	2.0
(1,1138)	1:111:A:ILE:CG2	1:20:A:PHE:HD1	2	2.0
(1,1075)	1:38:A:ILE:HG21	1:93:A:TYR:HE1	3	2.0
(1,1075)	1:38:A:ILE:HG22	1:93:A:TYR:HE1	3	2.0
(1,1075)	1:38:A:ILE:HG23	1:93:A:TYR:HE1	3	2.0
(1,718)	1:38:A:ILE:HG21	1:93:A:TYR:H	7	1.99
(1,718)	1:38:A:ILE:HG22	1:93:A:TYR:H	7	1.99
(1,718)	1:38:A:ILE:HG23	1:93:A:TYR:H	7	1.99
(1,685)	1:111:A:ILE:HD11	1:105:A:LEU:H	10	1.99
(1,685)	1:111:A:ILE:HD12	1:105:A:LEU:H	10	1.99
(1,685)	1:111:A:ILE:HD13	1:105:A:LEU:H	10	1.99
(1,669)	1:127:A:VAL:HG21	1:131:A:LEU:H	4	1.99
(1,669)	1:127:A:VAL:HG22	1:131:A:LEU:H	4	1.99
(1,669)	1:127:A:VAL:HG23	1:131:A:LEU:H	4	1.99
(1,650)	1:134:A:TYR:HE1	1:138:A:VAL:H	8	1.99
(1,1175)	1:100:A:ALA:HA	1:79:A:TYR:HE1	3	1.98
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG21	1	1.98
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG22	1	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG23	1	1.98
(1,1066)	1:130:A:THR:HG21	1:134:A:TYR:HE1	1	1.98
(1,1066)	1:130:A:THR:HG22	1:134:A:TYR:HE1	1	1.98
(1,1066)	1:130:A:THR:HG23	1:134:A:TYR:HE1	1	1.98
(1,546)	1:85:A:ASN:HA	1:87:A:ILE:H	3	1.98
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG21	4	1.97
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG22	4	1.97
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG23	4	1.97
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG21	4	1.97
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG22	4	1.97
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG23	4	1.97
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG21	4	1.97
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG22	4	1.97
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG23	4	1.97
(1,715)	1:38:A:ILE:HD11	1:90:A:ALA:H	1	1.97
(1,715)	1:38:A:ILE:HD12	1:90:A:ALA:H	1	1.97
(1,715)	1:38:A:ILE:HD13	1:90:A:ALA:H	1	1.97
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG11	10	1.96
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG12	10	1.96
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG13	10	1.96
(1,660)	1:68:A:ALA:HB1	1:64:A:LEU:H	3	1.96
(1,660)	1:68:A:ALA:HB2	1:64:A:LEU:H	3	1.96
(1,660)	1:68:A:ALA:HB3	1:64:A:LEU:H	3	1.96
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB1	7	1.95
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB2	7	1.95
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB3	7	1.95
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG21	7	1.95
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG22	7	1.95
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG23	7	1.95
(1,734)	1:120:A:ALA:HB1	1:23:A:SER:H	1	1.95
(1,734)	1:120:A:ALA:HB2	1:23:A:SER:H	1	1.95
(1,734)	1:120:A:ALA:HB3	1:23:A:SER:H	1	1.95
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG11	9	1.94
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG12	9	1.94
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG13	9	1.94
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD21	10	1.94
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD22	10	1.94
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD23	10	1.94
(1,626)	1:83:A:LEU:HD21	1:86:A:ALA:H	9	1.94
(1,626)	1:83:A:LEU:HD22	1:86:A:ALA:H	9	1.94
(1,626)	1:83:A:LEU:HD23	1:86:A:ALA:H	9	1.94
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD11	3	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD12	3	1.93
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD13	3	1.93
(1,1127)	1:137:A:ALA:HB1	1:140:A:TYR:HD1	8	1.93
(1,1127)	1:137:A:ALA:HB2	1:140:A:TYR:HD1	8	1.93
(1,1127)	1:137:A:ALA:HB3	1:140:A:TYR:HD1	8	1.93
(1,1077)	1:38:A:ILE:HD11	1:93:A:TYR:HE1	3	1.93
(1,1077)	1:38:A:ILE:HD12	1:93:A:TYR:HE1	3	1.93
(1,1077)	1:38:A:ILE:HD13	1:93:A:TYR:HE1	3	1.93
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB1	1	1.93
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB2	1	1.93
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB3	1	1.93
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB1	10	1.93
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB2	10	1.93
(1,907)	1:79:A:TYR:HD1	1:75:A:ALA:HB3	10	1.93
(1,736)	1:124:A:ALA:HB1	1:27:A:ASN:H	1	1.93
(1,736)	1:124:A:ALA:HB2	1:27:A:ASN:H	1	1.93
(1,736)	1:124:A:ALA:HB3	1:27:A:ASN:H	1	1.93
(1,718)	1:38:A:ILE:HG21	1:93:A:TYR:H	1	1.93
(1,718)	1:38:A:ILE:HG22	1:93:A:TYR:H	1	1.93
(1,718)	1:38:A:ILE:HG23	1:93:A:TYR:H	1	1.93
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG21	9	1.92
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG22	9	1.92
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG23	9	1.92
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG21	9	1.92
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG22	9	1.92
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG23	9	1.92
(1,822)	1:136:A:PRO:HA	1:139:A:PHE:HD1	10	1.91
(1,718)	1:38:A:ILE:HG21	1:93:A:TYR:H	5	1.91
(1,718)	1:38:A:ILE:HG22	1:93:A:TYR:H	5	1.91
(1,718)	1:38:A:ILE:HG23	1:93:A:TYR:H	5	1.91
(1,1067)	1:96:A:ALA:HB1	1:79:A:TYR:HE1	8	1.9
(1,1067)	1:96:A:ALA:HB2	1:79:A:TYR:HE1	8	1.9
(1,1067)	1:96:A:ALA:HB3	1:79:A:TYR:HE1	8	1.9
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB1	3	1.9
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB2	3	1.9
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB3	3	1.9
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB1	3	1.9
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB2	3	1.9
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB3	3	1.9
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD21	5	1.9
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD22	5	1.9
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD23	5	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,729)	1:116:A:ALA:HB1	1:21:A:ALA:H	8	1.9
(1,729)	1:116:A:ALA:HB2	1:21:A:ALA:H	8	1.9
(1,729)	1:116:A:ALA:HB3	1:21:A:ALA:H	8	1.9
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG11	1	1.89
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG12	1	1.89
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG13	1	1.89
(1,697)	1:79:A:TYR:HE1	1:100:A:ALA:H	6	1.89
(1,714)	1:38:A:ILE:HG21	1:90:A:ALA:H	3	1.88
(1,714)	1:38:A:ILE:HG22	1:90:A:ALA:H	3	1.88
(1,714)	1:38:A:ILE:HG23	1:90:A:ALA:H	3	1.88
(1,686)	1:139:A:PHE:HE1	1:131:A:LEU:H	7	1.88
(1,1207)	1:131:A:LEU:HD11	1:139:A:PHE:HE1	10	1.87
(1,1207)	1:131:A:LEU:HD12	1:139:A:PHE:HE1	10	1.87
(1,1207)	1:131:A:LEU:HD13	1:139:A:PHE:HE1	10	1.87
(1,1207)	1:131:A:LEU:HD21	1:139:A:PHE:HE1	10	1.87
(1,1207)	1:131:A:LEU:HD22	1:139:A:PHE:HE1	10	1.87
(1,1207)	1:131:A:LEU:HD23	1:139:A:PHE:HE1	10	1.87
(1,1119)	1:38:A:ILE:HG21	1:93:A:TYR:HD1	3	1.87
(1,1119)	1:38:A:ILE:HG22	1:93:A:TYR:HD1	3	1.87
(1,1119)	1:38:A:ILE:HG23	1:93:A:TYR:HD1	3	1.87
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG21	3	1.87
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG22	3	1.87
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG23	3	1.87
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG21	4	1.87
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG22	4	1.87
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG23	4	1.87
(1,710)	1:101:A:ILE:HD11	1:58:A:VAL:H	5	1.87
(1,710)	1:101:A:ILE:HD12	1:58:A:VAL:H	5	1.87
(1,710)	1:101:A:ILE:HD13	1:58:A:VAL:H	5	1.87
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB1	10	1.85
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB2	10	1.85
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB3	10	1.85
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG21	4	1.85
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG22	4	1.85
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG23	4	1.85
(1,736)	1:124:A:ALA:HB1	1:27:A:ASN:H	7	1.85
(1,736)	1:124:A:ALA:HB2	1:27:A:ASN:H	7	1.85
(1,736)	1:124:A:ALA:HB3	1:27:A:ASN:H	7	1.85
(1,713)	1:97:A:ILE:HD11	1:51:A:ALA:H	9	1.85
(1,713)	1:97:A:ILE:HD12	1:51:A:ALA:H	9	1.85
(1,713)	1:97:A:ILE:HD13	1:51:A:ALA:H	9	1.85
(1,1090)	1:119:A:ALA:HB1	1:105:A:LEU:HG	10	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:119:A:ALA:HB2	1:105:A:LEU:HG	10	1.84
(1,1090)	1:119:A:ALA:HB3	1:105:A:LEU:HG	10	1.84
(1,739)	1:120:A:ALA:HB1	1:20:A:PHE:H	7	1.84
(1,739)	1:120:A:ALA:HB2	1:20:A:PHE:H	7	1.84
(1,739)	1:120:A:ALA:HB3	1:20:A:PHE:H	7	1.84
(1,714)	1:38:A:ILE:HG21	1:90:A:ALA:H	6	1.84
(1,714)	1:38:A:ILE:HG22	1:90:A:ALA:H	6	1.84
(1,714)	1:38:A:ILE:HG23	1:90:A:ALA:H	6	1.84
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG21	3	1.83
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG22	3	1.83
(1,1154)	1:34:A:PHE:HE1	1:38:A:ILE:HG23	3	1.83
(1,1137)	1:111:A:ILE:HD11	1:20:A:PHE:HD1	4	1.83
(1,1137)	1:111:A:ILE:HD12	1:20:A:PHE:HD1	4	1.83
(1,1137)	1:111:A:ILE:HD13	1:20:A:PHE:HD1	4	1.83
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD11	4	1.83
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD12	4	1.83
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD13	4	1.83
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE1	2	1.83
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE2	2	1.83
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE3	2	1.83
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE1	2	1.83
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE2	2	1.83
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE3	2	1.83
(1,696)	1:79:A:TYR:HD1	1:100:A:ALA:H	7	1.83
(1,666)	1:83:A:LEU:HB3	1:87:A:ILE:H	4	1.83
(1,988)	1:119:A:ALA:HB1	1:111:A:ILE:CG2	3	1.82
(1,988)	1:119:A:ALA:HB2	1:111:A:ILE:CG2	3	1.82
(1,988)	1:119:A:ALA:HB3	1:111:A:ILE:CG2	3	1.82
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB1	3	1.82
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB2	3	1.82
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB3	3	1.82
(1,865)	1:127:A:VAL:HG21	1:139:A:PHE:HE1	5	1.82
(1,865)	1:127:A:VAL:HG22	1:139:A:PHE:HE1	5	1.82
(1,865)	1:127:A:VAL:HG23	1:139:A:PHE:HE1	5	1.82
(1,736)	1:124:A:ALA:HB1	1:27:A:ASN:H	5	1.82
(1,736)	1:124:A:ALA:HB2	1:27:A:ASN:H	5	1.82
(1,736)	1:124:A:ALA:HB3	1:27:A:ASN:H	5	1.82
(1,678)	1:69:A:MET:HE1	1:64:A:LEU:H	9	1.82
(1,678)	1:69:A:MET:HE2	1:64:A:LEU:H	9	1.82
(1,678)	1:69:A:MET:HE3	1:64:A:LEU:H	9	1.82
(1,718)	1:38:A:ILE:HG21	1:93:A:TYR:H	9	1.81
(1,718)	1:38:A:ILE:HG22	1:93:A:TYR:H	9	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:38:A:ILE:HG23	1:93:A:TYR:H	9	1.81
(1,682)	1:111:A:ILE:HD11	1:116:A:ALA:H	9	1.81
(1,682)	1:111:A:ILE:HD12	1:116:A:ALA:H	9	1.81
(1,682)	1:111:A:ILE:HD13	1:116:A:ALA:H	9	1.81
(1,1120)	1:38:A:ILE:HD11	1:93:A:TYR:HD1	3	1.8
(1,1120)	1:38:A:ILE:HD12	1:93:A:TYR:HD1	3	1.8
(1,1120)	1:38:A:ILE:HD13	1:93:A:TYR:HD1	3	1.8
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD11	3	1.8
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD12	3	1.8
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD13	3	1.8
(1,734)	1:120:A:ALA:HB1	1:23:A:SER:H	10	1.8
(1,734)	1:120:A:ALA:HB2	1:23:A:SER:H	10	1.8
(1,734)	1:120:A:ALA:HB3	1:23:A:SER:H	10	1.8
(1,718)	1:38:A:ILE:HG21	1:93:A:TYR:H	3	1.8
(1,718)	1:38:A:ILE:HG22	1:93:A:TYR:H	3	1.8
(1,718)	1:38:A:ILE:HG23	1:93:A:TYR:H	3	1.8
(1,1190)	1:20:A:PHE:HD1	1:111:A:ILE:CG2	3	1.79
(1,1138)	1:111:A:ILE:CG2	1:20:A:PHE:HD1	3	1.79
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD11	8	1.79
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD12	8	1.79
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD13	8	1.79
(1,546)	1:85:A:ASN:HA	1:87:A:ILE:H	6	1.79
(1,1175)	1:100:A:ALA:HA	1:79:A:TYR:HE1	1	1.78
(1,1119)	1:38:A:ILE:HG21	1:93:A:TYR:HD1	9	1.78
(1,1119)	1:38:A:ILE:HG22	1:93:A:TYR:HD1	9	1.78
(1,1119)	1:38:A:ILE:HG23	1:93:A:TYR:HD1	9	1.78
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG21	9	1.78
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG22	9	1.78
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG23	9	1.78
(1,708)	1:87:A:ILE:HD11	1:47:A:ALA:H	2	1.78
(1,708)	1:87:A:ILE:HD12	1:47:A:ALA:H	2	1.78
(1,708)	1:87:A:ILE:HD13	1:47:A:ALA:H	2	1.78
(1,151)	1:64:A:LEU:HG	1:64:A:LEU:H	6	1.78
(1,1174)	1:96:A:ALA:HA	1:79:A:TYR:HE1	6	1.77
(1,1127)	1:137:A:ALA:HB1	1:140:A:TYR:HD1	6	1.77
(1,1127)	1:137:A:ALA:HB2	1:140:A:TYR:HD1	6	1.77
(1,1127)	1:137:A:ALA:HB3	1:140:A:TYR:HD1	6	1.77
(1,714)	1:38:A:ILE:HG21	1:90:A:ALA:H	2	1.77
(1,714)	1:38:A:ILE:HG22	1:90:A:ALA:H	2	1.77
(1,714)	1:38:A:ILE:HG23	1:90:A:ALA:H	2	1.77
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD21	6	1.76
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD22	6	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD23	6	1.76
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD21	7	1.76
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD22	7	1.76
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD23	7	1.76
(1,724)	1:29:A:LEU:HD11	1:95:A:ASN:H	10	1.76
(1,724)	1:29:A:LEU:HD12	1:95:A:ASN:H	10	1.76
(1,724)	1:29:A:LEU:HD13	1:95:A:ASN:H	10	1.76
(1,643)	1:60:A:ASN:HA	1:64:A:LEU:H	6	1.76
(1,546)	1:85:A:ASN:HA	1:87:A:ILE:H	5	1.76
(1,1208)	1:127:A:VAL:HG11	1:139:A:PHE:HD1	8	1.75
(1,1208)	1:127:A:VAL:HG12	1:139:A:PHE:HD1	8	1.75
(1,1208)	1:127:A:VAL:HG13	1:139:A:PHE:HD1	8	1.75
(1,1175)	1:100:A:ALA:HA	1:79:A:TYR:HE1	6	1.74
(1,1172)	1:99:A:SER:HB2	1:79:A:TYR:HE1	9	1.74
(1,1172)	1:99:A:SER:HB3	1:79:A:TYR:HE1	9	1.74
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG21	2	1.74
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG22	2	1.74
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG23	2	1.74
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG21	2	1.74
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG22	2	1.74
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG23	2	1.74
(1,660)	1:68:A:ALA:HB1	1:64:A:LEU:H	6	1.74
(1,660)	1:68:A:ALA:HB2	1:64:A:LEU:H	6	1.74
(1,660)	1:68:A:ALA:HB3	1:64:A:LEU:H	6	1.74
(1,546)	1:85:A:ASN:HA	1:87:A:ILE:H	10	1.74
(1,1207)	1:131:A:LEU:HD11	1:139:A:PHE:HE1	9	1.73
(1,1207)	1:131:A:LEU:HD12	1:139:A:PHE:HE1	9	1.73
(1,1207)	1:131:A:LEU:HD13	1:139:A:PHE:HE1	9	1.73
(1,1207)	1:131:A:LEU:HD21	1:139:A:PHE:HE1	9	1.73
(1,1207)	1:131:A:LEU:HD22	1:139:A:PHE:HE1	9	1.73
(1,1207)	1:131:A:LEU:HD23	1:139:A:PHE:HE1	9	1.73
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG21	10	1.73
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG22	10	1.73
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG23	10	1.73
(1,1075)	1:38:A:ILE:HG21	1:93:A:TYR:HE1	10	1.73
(1,1075)	1:38:A:ILE:HG22	1:93:A:TYR:HE1	10	1.73
(1,1075)	1:38:A:ILE:HG23	1:93:A:TYR:HE1	10	1.73
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB1	8	1.73
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB2	8	1.73
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB3	8	1.73
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB1	8	1.73
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB2	8	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB3	8	1.73
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB1	1	1.73
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB2	1	1.73
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB3	1	1.73
(1,734)	1:120:A:ALA:HB1	1:23:A:SER:H	3	1.73
(1,734)	1:120:A:ALA:HB2	1:23:A:SER:H	3	1.73
(1,734)	1:120:A:ALA:HB3	1:23:A:SER:H	3	1.73
(1,666)	1:83:A:LEU:HB3	1:87:A:ILE:H	3	1.73
(1,1207)	1:131:A:LEU:HD11	1:139:A:PHE:HE1	8	1.72
(1,1207)	1:131:A:LEU:HD12	1:139:A:PHE:HE1	8	1.72
(1,1207)	1:131:A:LEU:HD13	1:139:A:PHE:HE1	8	1.72
(1,1207)	1:131:A:LEU:HD21	1:139:A:PHE:HE1	8	1.72
(1,1207)	1:131:A:LEU:HD22	1:139:A:PHE:HE1	8	1.72
(1,1207)	1:131:A:LEU:HD23	1:139:A:PHE:HE1	8	1.72
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG21	5	1.72
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG22	5	1.72
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG23	5	1.72
(1,1075)	1:38:A:ILE:HG21	1:93:A:TYR:HE1	5	1.72
(1,1075)	1:38:A:ILE:HG22	1:93:A:TYR:HE1	5	1.72
(1,1075)	1:38:A:ILE:HG23	1:93:A:TYR:HE1	5	1.72
(1,714)	1:38:A:ILE:HG21	1:90:A:ALA:H	10	1.72
(1,714)	1:38:A:ILE:HG22	1:90:A:ALA:H	10	1.72
(1,714)	1:38:A:ILE:HG23	1:90:A:ALA:H	10	1.72
(1,685)	1:111:A:ILE:HD11	1:105:A:LEU:H	1	1.72
(1,685)	1:111:A:ILE:HD12	1:105:A:LEU:H	1	1.72
(1,685)	1:111:A:ILE:HD13	1:105:A:LEU:H	1	1.72
(1,547)	1:82:A:THR:HA	1:84:A:GLY:H	2	1.72
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE1	8	1.71
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE2	8	1.71
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE3	8	1.71
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG11	6	1.71
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG12	6	1.71
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG13	6	1.71
(1,739)	1:120:A:ALA:HB1	1:20:A:PHE:H	9	1.71
(1,739)	1:120:A:ALA:HB2	1:20:A:PHE:H	9	1.71
(1,739)	1:120:A:ALA:HB3	1:20:A:PHE:H	9	1.71
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD21	9	1.7
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD22	9	1.7
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD23	9	1.7
(1,1190)	1:20:A:PHE:HD1	1:111:A:ILE:CG2	7	1.7
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG2	9	1.7
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG3	9	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:111:A:ILE:CG2	1:20:A:PHE:HD1	7	1.7
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB1	4	1.7
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB2	4	1.7
(1,920)	1:99:A:SER:HA	1:21:A:ALA:HB3	4	1.7
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG21	6	1.7
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG22	6	1.7
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG23	6	1.7
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG21	2	1.7
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG22	2	1.7
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG23	2	1.7
(1,714)	1:38:A:ILE:HG21	1:90:A:ALA:H	7	1.7
(1,714)	1:38:A:ILE:HG22	1:90:A:ALA:H	7	1.7
(1,714)	1:38:A:ILE:HG23	1:90:A:ALA:H	7	1.7
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD11	3	1.69
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD12	3	1.69
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD13	3	1.69
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD11	3	1.69
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD12	3	1.69
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD13	3	1.69
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD11	3	1.69
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD12	3	1.69
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD13	3	1.69
(1,669)	1:127:A:VAL:HG21	1:131:A:LEU:H	10	1.69
(1,669)	1:127:A:VAL:HG22	1:131:A:LEU:H	10	1.69
(1,669)	1:127:A:VAL:HG23	1:131:A:LEU:H	10	1.69
(1,1172)	1:99:A:SER:HB2	1:79:A:TYR:HE1	5	1.68
(1,1172)	1:99:A:SER:HB3	1:79:A:TYR:HE1	5	1.68
(1,709)	1:97:A:ILE:HG21	1:55:A:ALA:H	3	1.68
(1,709)	1:97:A:ILE:HG22	1:55:A:ALA:H	3	1.68
(1,709)	1:97:A:ILE:HG23	1:55:A:ALA:H	3	1.68
(1,685)	1:111:A:ILE:HD11	1:105:A:LEU:H	2	1.68
(1,685)	1:111:A:ILE:HD12	1:105:A:LEU:H	2	1.68
(1,685)	1:111:A:ILE:HD13	1:105:A:LEU:H	2	1.68
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB1	7	1.67
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB2	7	1.67
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB3	7	1.67
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB1	7	1.67
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB2	7	1.67
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB3	7	1.67
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB1	7	1.66
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB2	7	1.66
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB3	7	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB2	4	1.66
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB3	4	1.66
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB1	4	1.66
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB2	4	1.66
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB3	4	1.66
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG21	7	1.66
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG22	7	1.66
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG23	7	1.66
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG21	7	1.66
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG22	7	1.66
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG23	7	1.66
(1,734)	1:120:A:ALA:HB1	1:23:A:SER:H	5	1.66
(1,734)	1:120:A:ALA:HB2	1:23:A:SER:H	5	1.66
(1,734)	1:120:A:ALA:HB3	1:23:A:SER:H	5	1.66
(1,710)	1:101:A:ILE:HD11	1:58:A:VAL:H	7	1.66
(1,710)	1:101:A:ILE:HD12	1:58:A:VAL:H	7	1.66
(1,710)	1:101:A:ILE:HD13	1:58:A:VAL:H	7	1.66
(1,710)	1:101:A:ILE:HD11	1:58:A:VAL:H	10	1.66
(1,710)	1:101:A:ILE:HD12	1:58:A:VAL:H	10	1.66
(1,710)	1:101:A:ILE:HD13	1:58:A:VAL:H	10	1.66
(1,710)	1:101:A:ILE:HD11	1:58:A:VAL:H	3	1.65
(1,710)	1:101:A:ILE:HD12	1:58:A:VAL:H	3	1.65
(1,710)	1:101:A:ILE:HD13	1:58:A:VAL:H	3	1.65
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG2	4	1.63
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG3	4	1.63
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE1	6	1.63
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE2	6	1.63
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE3	6	1.63
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE1	6	1.63
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE2	6	1.63
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE3	6	1.63
(1,660)	1:68:A:ALA:HB1	1:64:A:LEU:H	1	1.63
(1,660)	1:68:A:ALA:HB2	1:64:A:LEU:H	1	1.63
(1,660)	1:68:A:ALA:HB3	1:64:A:LEU:H	1	1.63
(1,865)	1:127:A:VAL:HG21	1:139:A:PHE:HE1	3	1.62
(1,865)	1:127:A:VAL:HG22	1:139:A:PHE:HE1	3	1.62
(1,865)	1:127:A:VAL:HG23	1:139:A:PHE:HE1	3	1.62
(1,604)	1:46:A:GLN:HB2	1:43:A:SER:H	3	1.62
(1,604)	1:46:A:GLN:HB3	1:43:A:SER:H	3	1.62
(1,1174)	1:96:A:ALA:HA	1:79:A:TYR:HE1	3	1.61
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG11	9	1.61
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG12	9	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG13	9	1.61
(1,739)	1:120:A:ALA:HB1	1:20:A:PHE:H	6	1.61
(1,739)	1:120:A:ALA:HB2	1:20:A:PHE:H	6	1.61
(1,739)	1:120:A:ALA:HB3	1:20:A:PHE:H	6	1.61
(1,700)	1:76:A:VAL:HG11	1:101:A:ILE:H	9	1.61
(1,700)	1:76:A:VAL:HG12	1:101:A:ILE:H	9	1.61
(1,700)	1:76:A:VAL:HG13	1:101:A:ILE:H	9	1.61
(1,666)	1:83:A:LEU:HB3	1:87:A:ILE:H	7	1.61
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD11	8	1.6
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD12	8	1.6
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD13	8	1.6
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD11	8	1.6
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD12	8	1.6
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD13	8	1.6
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD11	8	1.6
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD12	8	1.6
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD13	8	1.6
(1,713)	1:97:A:ILE:HD11	1:51:A:ALA:H	5	1.6
(1,713)	1:97:A:ILE:HD12	1:51:A:ALA:H	5	1.6
(1,713)	1:97:A:ILE:HD13	1:51:A:ALA:H	5	1.6
(1,697)	1:79:A:TYR:HE1	1:100:A:ALA:H	8	1.6
(1,1132)	1:127:A:VAL:HA	1:139:A:PHE:HD1	6	1.59
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG21	7	1.59
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG22	7	1.59
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG23	7	1.59
(1,787)	1:50:A:VAL:HG11	1:140:A:TYR:HD1	9	1.58
(1,787)	1:50:A:VAL:HG12	1:140:A:TYR:HD1	9	1.58
(1,787)	1:50:A:VAL:HG13	1:140:A:TYR:HD1	9	1.58
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG11	9	1.58
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG12	9	1.58
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG13	9	1.58
(1,690)	1:72:A:LEU:HD11	1:59:A:GLY:H	8	1.58
(1,690)	1:72:A:LEU:HD12	1:59:A:GLY:H	8	1.58
(1,690)	1:72:A:LEU:HD13	1:59:A:GLY:H	8	1.58
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB1	2	1.57
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB2	2	1.57
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB3	2	1.57
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG21	8	1.57
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG22	8	1.57
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG23	8	1.57
(1,729)	1:116:A:ALA:HB1	1:21:A:ALA:H	7	1.57
(1,729)	1:116:A:ALA:HB2	1:21:A:ALA:H	7	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,729)	1:116:A:ALA:HB3	1:21:A:ALA:H	7	1.57
(1,724)	1:29:A:LEU:HD11	1:95:A:ASN:H	5	1.57
(1,724)	1:29:A:LEU:HD12	1:95:A:ASN:H	5	1.57
(1,724)	1:29:A:LEU:HD13	1:95:A:ASN:H	5	1.57
(1,546)	1:85:A:ASN:HA	1:87:A:ILE:H	7	1.57
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG11	9	1.56
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG12	9	1.56
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG13	9	1.56
(1,736)	1:124:A:ALA:HB1	1:27:A:ASN:H	3	1.56
(1,736)	1:124:A:ALA:HB2	1:27:A:ASN:H	3	1.56
(1,736)	1:124:A:ALA:HB3	1:27:A:ASN:H	3	1.56
(1,734)	1:120:A:ALA:HB1	1:23:A:SER:H	2	1.56
(1,734)	1:120:A:ALA:HB2	1:23:A:SER:H	2	1.56
(1,734)	1:120:A:ALA:HB3	1:23:A:SER:H	2	1.56
(1,662)	1:73:A:LEU:HD11	1:69:A:MET:H	4	1.55
(1,662)	1:73:A:LEU:HD12	1:69:A:MET:H	4	1.55
(1,662)	1:73:A:LEU:HD13	1:69:A:MET:H	4	1.55
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD11	9	1.54
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD12	9	1.54
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD13	9	1.54
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD11	9	1.54
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD12	9	1.54
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD13	9	1.54
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD11	9	1.54
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD12	9	1.54
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD13	9	1.54
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG21	9	1.54
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG22	9	1.54
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG23	9	1.54
(1,736)	1:124:A:ALA:HB1	1:27:A:ASN:H	9	1.54
(1,736)	1:124:A:ALA:HB2	1:27:A:ASN:H	9	1.54
(1,736)	1:124:A:ALA:HB3	1:27:A:ASN:H	9	1.54
(1,534)	1:97:A:ILE:HD11	1:96:A:ALA:H	6	1.54
(1,534)	1:97:A:ILE:HD12	1:96:A:ALA:H	6	1.54
(1,534)	1:97:A:ILE:HD13	1:96:A:ALA:H	6	1.54
(1,534)	1:97:A:ILE:HD11	1:96:A:ALA:H	8	1.54
(1,534)	1:97:A:ILE:HD12	1:96:A:ALA:H	8	1.54
(1,534)	1:97:A:ILE:HD13	1:96:A:ALA:H	8	1.54
(1,1183)	1:87:A:ILE:HG21	1:93:A:TYR:HE1	9	1.53
(1,1183)	1:87:A:ILE:HG22	1:93:A:TYR:HE1	9	1.53
(1,1183)	1:87:A:ILE:HG23	1:93:A:TYR:HE1	9	1.53
(1,1116)	1:127:A:VAL:HG21	1:34:A:PHE:HD1	3	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1116)	1:127:A:VAL:HG22	1:34:A:PHE:HD1	3	1.53
(1,1116)	1:127:A:VAL:HG23	1:34:A:PHE:HD1	3	1.53
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB1	6	1.53
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB2	6	1.53
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB3	6	1.53
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB1	6	1.53
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB2	6	1.53
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB3	6	1.53
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB1	6	1.53
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB2	6	1.53
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB3	6	1.53
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG11	6	1.53
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG12	6	1.53
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG13	6	1.53
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG11	6	1.53
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG12	6	1.53
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG13	6	1.53
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG11	6	1.53
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG12	6	1.53
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG13	6	1.53
(1,727)	1:111:A:ILE:HD11	1:20:A:PHE:H	4	1.53
(1,727)	1:111:A:ILE:HD12	1:20:A:PHE:H	4	1.53
(1,727)	1:111:A:ILE:HD13	1:20:A:PHE:H	4	1.53
(1,546)	1:85:A:ASN:HA	1:87:A:ILE:H	4	1.53
(1,1147)	1:127:A:VAL:HG21	1:34:A:PHE:HE1	3	1.52
(1,1147)	1:127:A:VAL:HG22	1:34:A:PHE:HE1	3	1.52
(1,1147)	1:127:A:VAL:HG23	1:34:A:PHE:HE1	3	1.52
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB1	5	1.52
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB2	5	1.52
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB3	5	1.52
(1,801)	1:119:A:ALA:HB1	1:20:A:PHE:HD1	5	1.52
(1,801)	1:119:A:ALA:HB2	1:20:A:PHE:HD1	5	1.52
(1,801)	1:119:A:ALA:HB3	1:20:A:PHE:HD1	5	1.52
(1,724)	1:29:A:LEU:HD11	1:95:A:ASN:H	6	1.52
(1,724)	1:29:A:LEU:HD12	1:95:A:ASN:H	6	1.52
(1,724)	1:29:A:LEU:HD13	1:95:A:ASN:H	6	1.52
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB1	5	1.51
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB2	5	1.51
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB3	5	1.51
(1,1172)	1:99:A:SER:HB2	1:79:A:TYR:HE1	10	1.51
(1,1172)	1:99:A:SER:HB3	1:79:A:TYR:HE1	10	1.51
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB1	4	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB2	4	1.51
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB3	4	1.51
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB1	8	1.51
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB2	8	1.51
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB3	8	1.51
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG11	5	1.5
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG12	5	1.5
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG13	5	1.5
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG21	6	1.5
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG22	6	1.5
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG23	6	1.5
(1,719)	1:38:A:ILE:HD11	1:94:A:ALA:H	5	1.5
(1,719)	1:38:A:ILE:HD12	1:94:A:ALA:H	5	1.5
(1,719)	1:38:A:ILE:HD13	1:94:A:ALA:H	5	1.5
(1,719)	1:38:A:ILE:HD11	1:94:A:ALA:H	8	1.5
(1,719)	1:38:A:ILE:HD12	1:94:A:ALA:H	8	1.5
(1,719)	1:38:A:ILE:HD13	1:94:A:ALA:H	8	1.5
(1,534)	1:97:A:ILE:HD11	1:96:A:ALA:H	5	1.5
(1,534)	1:97:A:ILE:HD12	1:96:A:ALA:H	5	1.5
(1,534)	1:97:A:ILE:HD13	1:96:A:ALA:H	5	1.5
(1,534)	1:97:A:ILE:HD11	1:96:A:ALA:H	10	1.5
(1,534)	1:97:A:ILE:HD12	1:96:A:ALA:H	10	1.5
(1,534)	1:97:A:ILE:HD13	1:96:A:ALA:H	10	1.5
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG21	9	1.49
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG22	9	1.49
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG23	9	1.49
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG11	1	1.49
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG12	1	1.49
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG13	1	1.49
(1,724)	1:29:A:LEU:HD11	1:95:A:ASN:H	8	1.49
(1,724)	1:29:A:LEU:HD12	1:95:A:ASN:H	8	1.49
(1,724)	1:29:A:LEU:HD13	1:95:A:ASN:H	8	1.49
(1,719)	1:38:A:ILE:HD11	1:94:A:ALA:H	7	1.49
(1,719)	1:38:A:ILE:HD12	1:94:A:ALA:H	7	1.49
(1,719)	1:38:A:ILE:HD13	1:94:A:ALA:H	7	1.49
(1,715)	1:38:A:ILE:HD11	1:90:A:ALA:H	8	1.49
(1,715)	1:38:A:ILE:HD12	1:90:A:ALA:H	8	1.49
(1,715)	1:38:A:ILE:HD13	1:90:A:ALA:H	8	1.49
(1,699)	1:76:A:VAL:HG21	1:100:A:ALA:H	9	1.49
(1,699)	1:76:A:VAL:HG22	1:100:A:ALA:H	9	1.49
(1,699)	1:76:A:VAL:HG23	1:100:A:ALA:H	9	1.49
(1,534)	1:97:A:ILE:HD11	1:96:A:ALA:H	3	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:97:A:ILE:HD12	1:96:A:ALA:H	3	1.49
(1,534)	1:97:A:ILE:HD13	1:96:A:ALA:H	3	1.49
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG21	7	1.48
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG22	7	1.48
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG23	7	1.48
(1,682)	1:111:A:ILE:HD11	1:116:A:ALA:H	4	1.48
(1,682)	1:111:A:ILE:HD12	1:116:A:ALA:H	4	1.48
(1,682)	1:111:A:ILE:HD13	1:116:A:ALA:H	4	1.48
(1,676)	1:116:A:ALA:HB1	1:120:A:ALA:H	8	1.48
(1,676)	1:116:A:ALA:HB2	1:120:A:ALA:H	8	1.48
(1,676)	1:116:A:ALA:HB3	1:120:A:ALA:H	8	1.48
(1,534)	1:97:A:ILE:HD11	1:96:A:ALA:H	4	1.48
(1,534)	1:97:A:ILE:HD12	1:96:A:ALA:H	4	1.48
(1,534)	1:97:A:ILE:HD13	1:96:A:ALA:H	4	1.48
(1,70)	1:79:A:TYR:HD1	1:79:A:TYR:H	2	1.48
(1,1172)	1:99:A:SER:HB2	1:79:A:TYR:HE1	2	1.47
(1,1172)	1:99:A:SER:HB3	1:79:A:TYR:HE1	2	1.47
(1,1172)	1:99:A:SER:HB2	1:79:A:TYR:HE1	8	1.47
(1,1172)	1:99:A:SER:HB3	1:79:A:TYR:HE1	8	1.47
(1,718)	1:38:A:ILE:HG21	1:93:A:TYR:H	6	1.47
(1,718)	1:38:A:ILE:HG22	1:93:A:TYR:H	6	1.47
(1,718)	1:38:A:ILE:HG23	1:93:A:TYR:H	6	1.47
(1,712)	1:101:A:ILE:HD11	1:55:A:ALA:H	1	1.47
(1,712)	1:101:A:ILE:HD12	1:55:A:ALA:H	1	1.47
(1,712)	1:101:A:ILE:HD13	1:55:A:ALA:H	1	1.47
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG11	6	1.46
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG12	6	1.46
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG13	6	1.46
(1,1129)	1:137:A:ALA:HB1	1:140:A:TYR:HE1	7	1.46
(1,1129)	1:137:A:ALA:HB2	1:140:A:TYR:HE1	7	1.46
(1,1129)	1:137:A:ALA:HB3	1:140:A:TYR:HE1	7	1.46
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG21	5	1.46
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG22	5	1.46
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG23	5	1.46
(1,724)	1:29:A:LEU:HD11	1:95:A:ASN:H	2	1.46
(1,724)	1:29:A:LEU:HD12	1:95:A:ASN:H	2	1.46
(1,724)	1:29:A:LEU:HD13	1:95:A:ASN:H	2	1.46
(1,707)	1:68:A:ALA:HB1	1:104:A:VAL:H	9	1.46
(1,707)	1:68:A:ALA:HB2	1:104:A:VAL:H	9	1.46
(1,707)	1:68:A:ALA:HB3	1:104:A:VAL:H	9	1.46
(1,689)	1:69:A:MET:HE1	1:58:A:VAL:H	1	1.46
(1,689)	1:69:A:MET:HE2	1:58:A:VAL:H	1	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:69:A:MET:HE3	1:58:A:VAL:H	1	1.46
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG11	8	1.45
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG12	8	1.45
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG13	8	1.45
(1,1135)	1:130:A:THR:HG21	1:139:A:PHE:HE1	5	1.45
(1,1135)	1:130:A:THR:HG22	1:139:A:PHE:HE1	5	1.45
(1,1135)	1:130:A:THR:HG23	1:139:A:PHE:HE1	5	1.45
(1,1119)	1:38:A:ILE:HG21	1:93:A:TYR:HD1	10	1.45
(1,1119)	1:38:A:ILE:HG22	1:93:A:TYR:HD1	10	1.45
(1,1119)	1:38:A:ILE:HG23	1:93:A:TYR:HD1	10	1.45
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG21	10	1.45
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG22	10	1.45
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG23	10	1.45
(1,735)	1:116:A:ALA:HB1	1:19:A:ALA:H	6	1.45
(1,735)	1:116:A:ALA:HB2	1:19:A:ALA:H	6	1.45
(1,735)	1:116:A:ALA:HB3	1:19:A:ALA:H	6	1.45
(1,707)	1:68:A:ALA:HB1	1:104:A:VAL:H	10	1.45
(1,707)	1:68:A:ALA:HB2	1:104:A:VAL:H	10	1.45
(1,707)	1:68:A:ALA:HB3	1:104:A:VAL:H	10	1.45
(1,639)	1:97:A:ILE:HD11	1:100:A:ALA:H	1	1.45
(1,639)	1:97:A:ILE:HD12	1:100:A:ALA:H	1	1.45
(1,639)	1:97:A:ILE:HD13	1:100:A:ALA:H	1	1.45
(1,534)	1:97:A:ILE:HD11	1:96:A:ALA:H	9	1.45
(1,534)	1:97:A:ILE:HD12	1:96:A:ALA:H	9	1.45
(1,534)	1:97:A:ILE:HD13	1:96:A:ALA:H	9	1.45
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG11	7	1.44
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG12	7	1.44
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG13	7	1.44
(1,719)	1:38:A:ILE:HD11	1:94:A:ALA:H	10	1.44
(1,719)	1:38:A:ILE:HD12	1:94:A:ALA:H	10	1.44
(1,719)	1:38:A:ILE:HD13	1:94:A:ALA:H	10	1.44
(1,1208)	1:127:A:VAL:HG11	1:139:A:PHE:HD1	5	1.43
(1,1208)	1:127:A:VAL:HG12	1:139:A:PHE:HD1	5	1.43
(1,1208)	1:127:A:VAL:HG13	1:139:A:PHE:HD1	5	1.43
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB1	1	1.43
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB2	1	1.43
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB3	1	1.43
(1,801)	1:119:A:ALA:HB1	1:20:A:PHE:HD1	1	1.43
(1,801)	1:119:A:ALA:HB2	1:20:A:PHE:HD1	1	1.43
(1,801)	1:119:A:ALA:HB3	1:20:A:PHE:HD1	1	1.43
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG11	2	1.43
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG12	2	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG13	2	1.43
(1,724)	1:29:A:LEU:HD11	1:95:A:ASN:H	4	1.43
(1,724)	1:29:A:LEU:HD12	1:95:A:ASN:H	4	1.43
(1,724)	1:29:A:LEU:HD13	1:95:A:ASN:H	4	1.43
(1,724)	1:29:A:LEU:HD11	1:95:A:ASN:H	7	1.43
(1,724)	1:29:A:LEU:HD12	1:95:A:ASN:H	7	1.43
(1,724)	1:29:A:LEU:HD13	1:95:A:ASN:H	7	1.43
(1,695)	1:100:A:ALA:HB1	1:79:A:TYR:H	10	1.43
(1,695)	1:100:A:ALA:HB2	1:79:A:TYR:H	10	1.43
(1,695)	1:100:A:ALA:HB3	1:79:A:TYR:H	10	1.43
(1,151)	1:64:A:LEU:HG	1:64:A:LEU:H	1	1.43
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG21	1	1.42
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG22	1	1.42
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG23	1	1.42
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG21	1	1.42
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG22	1	1.42
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG23	1	1.42
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG21	1	1.42
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG22	1	1.42
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG23	1	1.42
(1,865)	1:127:A:VAL:HG21	1:139:A:PHE:HE1	9	1.42
(1,865)	1:127:A:VAL:HG22	1:139:A:PHE:HE1	9	1.42
(1,865)	1:127:A:VAL:HG23	1:139:A:PHE:HE1	9	1.42
(1,719)	1:38:A:ILE:HD11	1:94:A:ALA:H	3	1.42
(1,719)	1:38:A:ILE:HD12	1:94:A:ALA:H	3	1.42
(1,719)	1:38:A:ILE:HD13	1:94:A:ALA:H	3	1.42
(1,700)	1:76:A:VAL:HG11	1:101:A:ILE:H	6	1.42
(1,700)	1:76:A:VAL:HG12	1:101:A:ILE:H	6	1.42
(1,700)	1:76:A:VAL:HG13	1:101:A:ILE:H	6	1.42
(1,787)	1:50:A:VAL:HG11	1:140:A:TYR:HD1	8	1.41
(1,787)	1:50:A:VAL:HG12	1:140:A:TYR:HD1	8	1.41
(1,787)	1:50:A:VAL:HG13	1:140:A:TYR:HD1	8	1.41
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG11	8	1.41
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG12	8	1.41
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG13	8	1.41
(1,734)	1:120:A:ALA:HB1	1:23:A:SER:H	8	1.4
(1,734)	1:120:A:ALA:HB2	1:23:A:SER:H	8	1.4
(1,734)	1:120:A:ALA:HB3	1:23:A:SER:H	8	1.4
(1,714)	1:38:A:ILE:HG21	1:90:A:ALA:H	5	1.4
(1,714)	1:38:A:ILE:HG22	1:90:A:ALA:H	5	1.4
(1,714)	1:38:A:ILE:HG23	1:90:A:ALA:H	5	1.4
(1,709)	1:97:A:ILE:HG21	1:55:A:ALA:H	5	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:97:A:ILE:HG22	1:55:A:ALA:H	5	1.4
(1,709)	1:97:A:ILE:HG23	1:55:A:ALA:H	5	1.4
(1,709)	1:97:A:ILE:HG21	1:55:A:ALA:H	9	1.4
(1,709)	1:97:A:ILE:HG22	1:55:A:ALA:H	9	1.4
(1,709)	1:97:A:ILE:HG23	1:55:A:ALA:H	9	1.4
(1,70)	1:79:A:TYR:HD1	1:79:A:TYR:H	7	1.4
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG21	4	1.39
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG22	4	1.39
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG23	4	1.39
(1,736)	1:124:A:ALA:HB1	1:27:A:ASN:H	6	1.39
(1,736)	1:124:A:ALA:HB2	1:27:A:ASN:H	6	1.39
(1,736)	1:124:A:ALA:HB3	1:27:A:ASN:H	6	1.39
(1,713)	1:97:A:ILE:HD11	1:51:A:ALA:H	10	1.39
(1,713)	1:97:A:ILE:HD12	1:51:A:ALA:H	10	1.39
(1,713)	1:97:A:ILE:HD13	1:51:A:ALA:H	10	1.39
(1,695)	1:100:A:ALA:HB1	1:79:A:TYR:H	9	1.39
(1,695)	1:100:A:ALA:HB2	1:79:A:TYR:H	9	1.39
(1,695)	1:100:A:ALA:HB3	1:79:A:TYR:H	9	1.39
(1,661)	1:69:A:MET:HE1	1:65:A:ASP:H	7	1.39
(1,661)	1:69:A:MET:HE2	1:65:A:ASP:H	7	1.39
(1,661)	1:69:A:MET:HE3	1:65:A:ASP:H	7	1.39
(1,643)	1:60:A:ASN:HA	1:64:A:LEU:H	1	1.39
(1,1170)	1:80:A:VAL:HG11	1:79:A:TYR:HD1	3	1.38
(1,1170)	1:80:A:VAL:HG12	1:79:A:TYR:HD1	3	1.38
(1,1170)	1:80:A:VAL:HG13	1:79:A:TYR:HD1	3	1.38
(1,1116)	1:127:A:VAL:HG21	1:34:A:PHE:HD1	4	1.38
(1,1116)	1:127:A:VAL:HG22	1:34:A:PHE:HD1	4	1.38
(1,1116)	1:127:A:VAL:HG23	1:34:A:PHE:HD1	4	1.38
(1,990)	1:116:A:ALA:HA	1:111:A:ILE:CG2	3	1.38
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB1	2	1.38
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB2	2	1.38
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB3	2	1.38
(1,741)	1:130:A:THR:HG21	1:134:A:TYR:HD1	10	1.38
(1,741)	1:130:A:THR:HG22	1:134:A:TYR:HD1	10	1.38
(1,741)	1:130:A:THR:HG23	1:134:A:TYR:HD1	10	1.38
(1,719)	1:38:A:ILE:HD11	1:94:A:ALA:H	4	1.38
(1,719)	1:38:A:ILE:HD12	1:94:A:ALA:H	4	1.38
(1,719)	1:38:A:ILE:HD13	1:94:A:ALA:H	4	1.38
(1,709)	1:97:A:ILE:HG21	1:55:A:ALA:H	10	1.38
(1,709)	1:97:A:ILE:HG22	1:55:A:ALA:H	10	1.38
(1,709)	1:97:A:ILE:HG23	1:55:A:ALA:H	10	1.38
(1,700)	1:76:A:VAL:HG11	1:101:A:ILE:H	3	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,700)	1:76:A:VAL:HG12	1:101:A:ILE:H	3	1.38
(1,700)	1:76:A:VAL:HG13	1:101:A:ILE:H	3	1.38
(1,687)	1:139:A:PHE:HZ	1:131:A:LEU:H	9	1.38
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB1	7	1.37
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB2	7	1.37
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB3	7	1.37
(1,1173)	1:100:A:ALA:HB1	1:79:A:TYR:HE1	7	1.37
(1,1173)	1:100:A:ALA:HB2	1:79:A:TYR:HE1	7	1.37
(1,1173)	1:100:A:ALA:HB3	1:79:A:TYR:HE1	7	1.37
(1,1119)	1:38:A:ILE:HG21	1:93:A:TYR:HD1	5	1.37
(1,1119)	1:38:A:ILE:HG22	1:93:A:TYR:HD1	5	1.37
(1,1119)	1:38:A:ILE:HG23	1:93:A:TYR:HD1	5	1.37
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD11	10	1.37
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD12	10	1.37
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD13	10	1.37
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD11	10	1.37
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD12	10	1.37
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD13	10	1.37
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD11	10	1.37
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD12	10	1.37
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD13	10	1.37
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG21	5	1.37
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG22	5	1.37
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG23	5	1.37
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB1	9	1.37
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB2	9	1.37
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB3	9	1.37
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB1	9	1.37
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB2	9	1.37
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB3	9	1.37
(1,699)	1:76:A:VAL:HG21	1:100:A:ALA:H	6	1.37
(1,699)	1:76:A:VAL:HG22	1:100:A:ALA:H	6	1.37
(1,699)	1:76:A:VAL:HG23	1:100:A:ALA:H	6	1.37
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB1	1	1.35
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB2	1	1.35
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB3	1	1.35
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD11	2	1.35
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD12	2	1.35
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD13	2	1.35
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB1	2	1.35
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB2	2	1.35
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB3	2	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:100:A:ALA:HB1	1:79:A:TYR:HD1	2	1.35
(1,785)	1:100:A:ALA:HB2	1:79:A:TYR:HD1	2	1.35
(1,785)	1:100:A:ALA:HB3	1:79:A:TYR:HD1	2	1.35
(1,686)	1:139:A:PHE:HE1	1:131:A:LEU:H	10	1.35
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG21	3	1.34
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG22	3	1.34
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG23	3	1.34
(1,988)	1:119:A:ALA:HB1	1:111:A:ILE:CG2	10	1.33
(1,988)	1:119:A:ALA:HB2	1:111:A:ILE:CG2	10	1.33
(1,988)	1:119:A:ALA:HB3	1:111:A:ILE:CG2	10	1.33
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB1	10	1.33
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB2	10	1.33
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB3	10	1.33
(1,639)	1:97:A:ILE:HD11	1:100:A:ALA:H	7	1.33
(1,639)	1:97:A:ILE:HD12	1:100:A:ALA:H	7	1.33
(1,639)	1:97:A:ILE:HD13	1:100:A:ALA:H	7	1.33
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG21	5	1.32
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG22	5	1.32
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG23	5	1.32
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG21	5	1.32
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG22	5	1.32
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG23	5	1.32
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG21	5	1.32
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG22	5	1.32
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG23	5	1.32
(1,881)	1:134:A:TYR:HD1	1:138:A:VAL:HG21	4	1.32
(1,881)	1:134:A:TYR:HD1	1:138:A:VAL:HG22	4	1.32
(1,881)	1:134:A:TYR:HD1	1:138:A:VAL:HG23	4	1.32
(1,724)	1:29:A:LEU:HD11	1:95:A:ASN:H	1	1.32
(1,724)	1:29:A:LEU:HD12	1:95:A:ASN:H	1	1.32
(1,724)	1:29:A:LEU:HD13	1:95:A:ASN:H	1	1.32
(1,709)	1:97:A:ILE:HG21	1:55:A:ALA:H	8	1.32
(1,709)	1:97:A:ILE:HG22	1:55:A:ALA:H	8	1.32
(1,709)	1:97:A:ILE:HG23	1:55:A:ALA:H	8	1.32
(1,639)	1:97:A:ILE:HD11	1:100:A:ALA:H	2	1.32
(1,639)	1:97:A:ILE:HD12	1:100:A:ALA:H	2	1.32
(1,639)	1:97:A:ILE:HD13	1:100:A:ALA:H	2	1.32
(1,516)	1:58:A:VAL:HB	1:57:A:ASN:H	3	1.32
(1,516)	1:58:A:VAL:HB	1:57:A:ASN:H	5	1.32
(1,1137)	1:111:A:ILE:HD11	1:20:A:PHE:HD1	5	1.31
(1,1137)	1:111:A:ILE:HD12	1:20:A:PHE:HD1	5	1.31
(1,1137)	1:111:A:ILE:HD13	1:20:A:PHE:HD1	5	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1128)	1:41:A:THR:HG21	1:140:A:TYR:HE1	6	1.31
(1,1128)	1:41:A:THR:HG22	1:140:A:TYR:HE1	6	1.31
(1,1128)	1:41:A:THR:HG23	1:140:A:TYR:HE1	6	1.31
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD11	5	1.31
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD12	5	1.31
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD13	5	1.31
(1,708)	1:87:A:ILE:HD11	1:47:A:ALA:H	3	1.31
(1,708)	1:87:A:ILE:HD12	1:47:A:ALA:H	3	1.31
(1,708)	1:87:A:ILE:HD13	1:47:A:ALA:H	3	1.31
(1,689)	1:69:A:MET:HE1	1:58:A:VAL:H	2	1.31
(1,689)	1:69:A:MET:HE2	1:58:A:VAL:H	2	1.31
(1,689)	1:69:A:MET:HE3	1:58:A:VAL:H	2	1.31
(1,70)	1:79:A:TYR:HD1	1:79:A:TYR:H	10	1.31
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB1	6	1.3
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB2	6	1.3
(1,903)	1:23:A:SER:HB2	1:120:A:ALA:HB3	6	1.3
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB1	6	1.3
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB2	6	1.3
(1,903)	1:23:A:SER:HB3	1:120:A:ALA:HB3	6	1.3
(1,709)	1:97:A:ILE:HG21	1:55:A:ALA:H	6	1.3
(1,709)	1:97:A:ILE:HG22	1:55:A:ALA:H	6	1.3
(1,709)	1:97:A:ILE:HG23	1:55:A:ALA:H	6	1.3
(1,696)	1:79:A:TYR:HD1	1:100:A:ALA:H	8	1.3
(1,516)	1:58:A:VAL:HB	1:57:A:ASN:H	6	1.3
(1,719)	1:38:A:ILE:HD11	1:94:A:ALA:H	1	1.29
(1,719)	1:38:A:ILE:HD12	1:94:A:ALA:H	1	1.29
(1,719)	1:38:A:ILE:HD13	1:94:A:ALA:H	1	1.29
(1,715)	1:38:A:ILE:HD11	1:90:A:ALA:H	4	1.29
(1,715)	1:38:A:ILE:HD12	1:90:A:ALA:H	4	1.29
(1,715)	1:38:A:ILE:HD13	1:90:A:ALA:H	4	1.29
(1,1172)	1:99:A:SER:HB2	1:79:A:TYR:HE1	6	1.28
(1,1172)	1:99:A:SER:HB3	1:79:A:TYR:HE1	6	1.28
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD11	4	1.28
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD12	4	1.28
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD13	4	1.28
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG21	9	1.28
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG22	9	1.28
(1,825)	1:31:A:SER:HB3	1:128:A:THR:HG23	9	1.28
(1,732)	1:116:A:ALA:HB1	1:20:A:PHE:H	7	1.28
(1,732)	1:116:A:ALA:HB2	1:20:A:PHE:H	7	1.28
(1,732)	1:116:A:ALA:HB3	1:20:A:PHE:H	7	1.28
(1,729)	1:116:A:ALA:HB1	1:21:A:ALA:H	9	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,729)	1:116:A:ALA:HB2	1:21:A:ALA:H	9	1.28
(1,729)	1:116:A:ALA:HB3	1:21:A:ALA:H	9	1.28
(1,682)	1:111:A:ILE:HD11	1:116:A:ALA:H	3	1.28
(1,682)	1:111:A:ILE:HD12	1:116:A:ALA:H	3	1.28
(1,682)	1:111:A:ILE:HD13	1:116:A:ALA:H	3	1.28
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE1	4	1.27
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE2	4	1.27
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE3	4	1.27
(1,660)	1:68:A:ALA:HB1	1:64:A:LEU:H	4	1.27
(1,660)	1:68:A:ALA:HB2	1:64:A:LEU:H	4	1.27
(1,660)	1:68:A:ALA:HB3	1:64:A:LEU:H	4	1.27
(1,516)	1:58:A:VAL:HB	1:57:A:ASN:H	8	1.27
(1,1208)	1:127:A:VAL:HG11	1:139:A:PHE:HD1	3	1.26
(1,1208)	1:127:A:VAL:HG12	1:139:A:PHE:HD1	3	1.26
(1,1208)	1:127:A:VAL:HG13	1:139:A:PHE:HD1	3	1.26
(1,715)	1:38:A:ILE:HD11	1:90:A:ALA:H	3	1.26
(1,715)	1:38:A:ILE:HD12	1:90:A:ALA:H	3	1.26
(1,715)	1:38:A:ILE:HD13	1:90:A:ALA:H	3	1.26
(1,678)	1:69:A:MET:HE1	1:64:A:LEU:H	6	1.26
(1,678)	1:69:A:MET:HE2	1:64:A:LEU:H	6	1.26
(1,678)	1:69:A:MET:HE3	1:64:A:LEU:H	6	1.26
(1,1164)	1:140:A:TYR:HE1	1:46:A:GLN:HB2	4	1.25
(1,1164)	1:140:A:TYR:HE1	1:46:A:GLN:HB3	4	1.25
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG11	3	1.25
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG12	3	1.25
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG13	3	1.25
(1,741)	1:130:A:THR:HG21	1:134:A:TYR:HD1	2	1.25
(1,741)	1:130:A:THR:HG22	1:134:A:TYR:HD1	2	1.25
(1,741)	1:130:A:THR:HG23	1:134:A:TYR:HD1	2	1.25
(1,671)	1:138:A:VAL:HG21	1:134:A:TYR:H	4	1.25
(1,671)	1:138:A:VAL:HG22	1:134:A:TYR:H	4	1.25
(1,671)	1:138:A:VAL:HG23	1:134:A:TYR:H	4	1.25
(1,436)	1:111:A:ILE:HB	1:112:A:SER:H	10	1.25
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG11	4	1.24
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG12	4	1.24
(1,1150)	1:34:A:PHE:HD1	1:35:A:VAL:HG13	4	1.24
(1,1066)	1:130:A:THR:HG21	1:134:A:TYR:HE1	10	1.24
(1,1066)	1:130:A:THR:HG22	1:134:A:TYR:HE1	10	1.24
(1,1066)	1:130:A:THR:HG23	1:134:A:TYR:HE1	10	1.24
(1,708)	1:87:A:ILE:HD11	1:47:A:ALA:H	6	1.24
(1,708)	1:87:A:ILE:HD12	1:47:A:ALA:H	6	1.24
(1,708)	1:87:A:ILE:HD13	1:47:A:ALA:H	6	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:38:A:ILE:HD11	1:94:A:ALA:H	9	1.23
(1,719)	1:38:A:ILE:HD12	1:94:A:ALA:H	9	1.23
(1,719)	1:38:A:ILE:HD13	1:94:A:ALA:H	9	1.23
(1,684)	1:41:A:THR:HB	1:47:A:ALA:H	4	1.23
(1,1067)	1:96:A:ALA:HB1	1:79:A:TYR:HE1	1	1.22
(1,1067)	1:96:A:ALA:HB2	1:79:A:TYR:HE1	1	1.22
(1,1067)	1:96:A:ALA:HB3	1:79:A:TYR:HE1	1	1.22
(1,728)	1:111:A:ILE:HD11	1:17:A:GLY:H	8	1.22
(1,728)	1:111:A:ILE:HD12	1:17:A:GLY:H	8	1.22
(1,728)	1:111:A:ILE:HD13	1:17:A:GLY:H	8	1.22
(1,709)	1:97:A:ILE:HG21	1:55:A:ALA:H	7	1.22
(1,709)	1:97:A:ILE:HG22	1:55:A:ALA:H	7	1.22
(1,709)	1:97:A:ILE:HG23	1:55:A:ALA:H	7	1.22
(1,661)	1:69:A:MET:HE1	1:65:A:ASP:H	4	1.22
(1,661)	1:69:A:MET:HE2	1:65:A:ASP:H	4	1.22
(1,661)	1:69:A:MET:HE3	1:65:A:ASP:H	4	1.22
(1,67)	1:28:A:LEU:HG	1:28:A:LEU:H	3	1.22
(1,1170)	1:80:A:VAL:HG11	1:79:A:TYR:HD1	5	1.21
(1,1170)	1:80:A:VAL:HG12	1:79:A:TYR:HD1	5	1.21
(1,1170)	1:80:A:VAL:HG13	1:79:A:TYR:HD1	5	1.21
(1,1074)	1:47:A:ALA:HB1	1:93:A:TYR:HE1	6	1.21
(1,1074)	1:47:A:ALA:HB2	1:93:A:TYR:HE1	6	1.21
(1,1074)	1:47:A:ALA:HB3	1:93:A:TYR:HE1	6	1.21
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB1	6	1.21
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB2	6	1.21
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB3	6	1.21
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG11	7	1.21
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG12	7	1.21
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG13	7	1.21
(1,719)	1:38:A:ILE:HD11	1:94:A:ALA:H	6	1.21
(1,719)	1:38:A:ILE:HD12	1:94:A:ALA:H	6	1.21
(1,719)	1:38:A:ILE:HD13	1:94:A:ALA:H	6	1.21
(1,67)	1:28:A:LEU:HG	1:28:A:LEU:H	4	1.21
(1,1116)	1:127:A:VAL:HG21	1:34:A:PHE:HD1	10	1.2
(1,1116)	1:127:A:VAL:HG22	1:34:A:PHE:HD1	10	1.2
(1,1116)	1:127:A:VAL:HG23	1:34:A:PHE:HD1	10	1.2
(1,661)	1:69:A:MET:HE1	1:65:A:ASP:H	9	1.2
(1,661)	1:69:A:MET:HE2	1:65:A:ASP:H	9	1.2
(1,661)	1:69:A:MET:HE3	1:65:A:ASP:H	9	1.2
(1,67)	1:28:A:LEU:HG	1:28:A:LEU:H	7	1.2
(1,1139)	1:116:A:ALA:HA	1:20:A:PHE:HD1	5	1.19
(1,708)	1:87:A:ILE:HD11	1:47:A:ALA:H	7	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:87:A:ILE:HD12	1:47:A:ALA:H	7	1.19
(1,708)	1:87:A:ILE:HD13	1:47:A:ALA:H	7	1.19
(1,75)	1:83:A:LEU:HG	1:83:A:LEU:H	7	1.19
(1,67)	1:28:A:LEU:HG	1:28:A:LEU:H	2	1.19
(1,67)	1:28:A:LEU:HG	1:28:A:LEU:H	10	1.19
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG11	3	1.18
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG12	3	1.18
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG13	3	1.18
(1,757)	1:51:A:ALA:HB1	1:80:A:VAL:HG11	3	1.18
(1,757)	1:51:A:ALA:HB1	1:80:A:VAL:HG12	3	1.18
(1,757)	1:51:A:ALA:HB1	1:80:A:VAL:HG13	3	1.18
(1,757)	1:51:A:ALA:HB2	1:80:A:VAL:HG11	3	1.18
(1,757)	1:51:A:ALA:HB2	1:80:A:VAL:HG12	3	1.18
(1,757)	1:51:A:ALA:HB2	1:80:A:VAL:HG13	3	1.18
(1,757)	1:51:A:ALA:HB3	1:80:A:VAL:HG11	3	1.18
(1,757)	1:51:A:ALA:HB3	1:80:A:VAL:HG12	3	1.18
(1,757)	1:51:A:ALA:HB3	1:80:A:VAL:HG13	3	1.18
(1,727)	1:111:A:ILE:HD11	1:20:A:PHE:H	7	1.18
(1,727)	1:111:A:ILE:HD12	1:20:A:PHE:H	7	1.18
(1,727)	1:111:A:ILE:HD13	1:20:A:PHE:H	7	1.18
(1,719)	1:38:A:ILE:HD11	1:94:A:ALA:H	2	1.18
(1,719)	1:38:A:ILE:HD12	1:94:A:ALA:H	2	1.18
(1,719)	1:38:A:ILE:HD13	1:94:A:ALA:H	2	1.18
(1,75)	1:83:A:LEU:HG	1:83:A:LEU:H	4	1.18
(1,67)	1:28:A:LEU:HG	1:28:A:LEU:H	5	1.18
(1,727)	1:111:A:ILE:HD11	1:20:A:PHE:H	5	1.17
(1,727)	1:111:A:ILE:HD12	1:20:A:PHE:H	5	1.17
(1,727)	1:111:A:ILE:HD13	1:20:A:PHE:H	5	1.17
(1,672)	1:24:A:LEU:HB3	1:28:A:LEU:H	3	1.17
(1,549)	1:29:A:LEU:HD21	1:31:A:SER:H	2	1.17
(1,549)	1:29:A:LEU:HD22	1:31:A:SER:H	2	1.17
(1,549)	1:29:A:LEU:HD23	1:31:A:SER:H	2	1.17
(1,67)	1:28:A:LEU:HG	1:28:A:LEU:H	8	1.17
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE1	1	1.16
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE2	1	1.16
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE3	1	1.16
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB1	4	1.16
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB2	4	1.16
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB3	4	1.16
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB1	10	1.16
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB2	10	1.16
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB3	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:119:A:ALA:HB1	1:20:A:PHE:HD1	4	1.16
(1,801)	1:119:A:ALA:HB2	1:20:A:PHE:HD1	4	1.16
(1,801)	1:119:A:ALA:HB3	1:20:A:PHE:HD1	4	1.16
(1,736)	1:124:A:ALA:HB1	1:27:A:ASN:H	4	1.16
(1,736)	1:124:A:ALA:HB2	1:27:A:ASN:H	4	1.16
(1,736)	1:124:A:ALA:HB3	1:27:A:ASN:H	4	1.16
(1,549)	1:29:A:LEU:HD21	1:31:A:SER:H	6	1.16
(1,549)	1:29:A:LEU:HD22	1:31:A:SER:H	6	1.16
(1,549)	1:29:A:LEU:HD23	1:31:A:SER:H	6	1.16
(1,549)	1:29:A:LEU:HD21	1:31:A:SER:H	8	1.16
(1,549)	1:29:A:LEU:HD22	1:31:A:SER:H	8	1.16
(1,549)	1:29:A:LEU:HD23	1:31:A:SER:H	8	1.16
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG11	8	1.15
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG12	8	1.15
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG13	8	1.15
(1,625)	1:83:A:LEU:HB3	1:86:A:ALA:H	9	1.15
(1,549)	1:29:A:LEU:HD21	1:31:A:SER:H	7	1.15
(1,549)	1:29:A:LEU:HD22	1:31:A:SER:H	7	1.15
(1,549)	1:29:A:LEU:HD23	1:31:A:SER:H	7	1.15
(1,67)	1:28:A:LEU:HG	1:28:A:LEU:H	1	1.15
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG21	6	1.14
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG22	6	1.14
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG23	6	1.14
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG21	6	1.14
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG22	6	1.14
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG23	6	1.14
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG21	6	1.14
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG22	6	1.14
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG23	6	1.14
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG21	3	1.14
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG22	3	1.14
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG23	3	1.14
(1,786)	1:92:A:ALA:HB1	1:93:A:TYR:HD1	5	1.14
(1,786)	1:92:A:ALA:HB2	1:93:A:TYR:HD1	5	1.14
(1,786)	1:92:A:ALA:HB3	1:93:A:TYR:HD1	5	1.14
(1,786)	1:92:A:ALA:HB1	1:93:A:TYR:HD1	10	1.14
(1,786)	1:92:A:ALA:HB2	1:93:A:TYR:HD1	10	1.14
(1,786)	1:92:A:ALA:HB3	1:93:A:TYR:HD1	10	1.14
(1,695)	1:100:A:ALA:HB1	1:79:A:TYR:H	5	1.14
(1,695)	1:100:A:ALA:HB2	1:79:A:TYR:H	5	1.14
(1,695)	1:100:A:ALA:HB3	1:79:A:TYR:H	5	1.14
(1,626)	1:83:A:LEU:HD21	1:86:A:ALA:H	1	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:83:A:LEU:HD22	1:86:A:ALA:H	1	1.14
(1,626)	1:83:A:LEU:HD23	1:86:A:ALA:H	1	1.14
(1,576)	1:128:A:THR:HA	1:131:A:LEU:H	3	1.14
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB1	9	1.13
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB2	9	1.13
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB3	9	1.13
(1,867)	1:87:A:ILE:HG21	1:83:A:LEU:HB2	10	1.13
(1,867)	1:87:A:ILE:HG22	1:83:A:LEU:HB2	10	1.13
(1,867)	1:87:A:ILE:HG23	1:83:A:LEU:HB2	10	1.13
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG21	5	1.13
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG22	5	1.13
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG23	5	1.13
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG21	5	1.13
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG22	5	1.13
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG23	5	1.13
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG21	5	1.13
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG22	5	1.13
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG23	5	1.13
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG21	7	1.13
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG22	7	1.13
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG23	7	1.13
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG21	7	1.13
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG22	7	1.13
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG23	7	1.13
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG21	7	1.13
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG22	7	1.13
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG23	7	1.13
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG21	9	1.13
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG22	9	1.13
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG23	9	1.13
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG21	9	1.13
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG22	9	1.13
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG23	9	1.13
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG21	9	1.13
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG22	9	1.13
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG23	9	1.13
(1,785)	1:100:A:ALA:HB1	1:79:A:TYR:HD1	9	1.13
(1,785)	1:100:A:ALA:HB2	1:79:A:TYR:HD1	9	1.13
(1,785)	1:100:A:ALA:HB3	1:79:A:TYR:HD1	9	1.13
(1,233)	1:29:A:LEU:HG	1:29:A:LEU:H	4	1.13
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD11	3	1.12
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD12	3	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD13	3	1.12
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD11	3	1.12
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD12	3	1.12
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD13	3	1.12
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD11	3	1.12
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD12	3	1.12
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD13	3	1.12
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG21	6	1.12
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG22	6	1.12
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG23	6	1.12
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG21	6	1.12
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG22	6	1.12
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG23	6	1.12
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG21	6	1.12
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG22	6	1.12
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG23	6	1.12
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG11	2	1.12
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG12	2	1.12
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG13	2	1.12
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG11	2	1.12
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG12	2	1.12
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG13	2	1.12
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG11	2	1.12
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG12	2	1.12
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG13	2	1.12
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG11	6	1.12
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG12	6	1.12
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG13	6	1.12
(1,715)	1:38:A:ILE:HD11	1:90:A:ALA:H	6	1.12
(1,715)	1:38:A:ILE:HD12	1:90:A:ALA:H	6	1.12
(1,715)	1:38:A:ILE:HD13	1:90:A:ALA:H	6	1.12
(1,552)	1:44:A:THR:HB	1:46:A:GLN:H	1	1.12
(1,75)	1:83:A:LEU:HG	1:83:A:LEU:H	9	1.12
(1,1208)	1:127:A:VAL:HG11	1:139:A:PHE:HD1	7	1.11
(1,1208)	1:127:A:VAL:HG12	1:139:A:PHE:HD1	7	1.11
(1,1208)	1:127:A:VAL:HG13	1:139:A:PHE:HD1	7	1.11
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG11	5	1.11
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG12	5	1.11
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG13	5	1.11
(1,1170)	1:80:A:VAL:HG11	1:79:A:TYR:HD1	4	1.11
(1,1170)	1:80:A:VAL:HG12	1:79:A:TYR:HD1	4	1.11
(1,1170)	1:80:A:VAL:HG13	1:79:A:TYR:HD1	4	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD11	2	1.11
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD12	2	1.11
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD13	2	1.11
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD11	7	1.11
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD12	7	1.11
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD13	7	1.11
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD11	10	1.11
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD12	10	1.11
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD13	10	1.11
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD11	2	1.11
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD12	2	1.11
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD13	2	1.11
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD11	2	1.11
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD12	2	1.11
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD13	2	1.11
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD11	2	1.11
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD12	2	1.11
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD13	2	1.11
(1,925)	1:76:A:VAL:HG11	1:55:A:ALA:HB1	3	1.11
(1,925)	1:76:A:VAL:HG11	1:55:A:ALA:HB2	3	1.11
(1,925)	1:76:A:VAL:HG11	1:55:A:ALA:HB3	3	1.11
(1,925)	1:76:A:VAL:HG12	1:55:A:ALA:HB1	3	1.11
(1,925)	1:76:A:VAL:HG12	1:55:A:ALA:HB2	3	1.11
(1,925)	1:76:A:VAL:HG12	1:55:A:ALA:HB3	3	1.11
(1,925)	1:76:A:VAL:HG13	1:55:A:ALA:HB1	3	1.11
(1,925)	1:76:A:VAL:HG13	1:55:A:ALA:HB2	3	1.11
(1,925)	1:76:A:VAL:HG13	1:55:A:ALA:HB3	3	1.11
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG21	10	1.11
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG22	10	1.11
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG23	10	1.11
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG21	10	1.11
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG22	10	1.11
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG23	10	1.11
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG21	10	1.11
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG22	10	1.11
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG23	10	1.11
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG11	3	1.11
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG12	3	1.11
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG13	3	1.11
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG11	3	1.11
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG12	3	1.11
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG13	3	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG11	3	1.11
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG12	3	1.11
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG13	3	1.11
(1,771)	1:55:A:ALA:HB1	1:76:A:VAL:HG11	3	1.11
(1,771)	1:55:A:ALA:HB1	1:76:A:VAL:HG12	3	1.11
(1,771)	1:55:A:ALA:HB1	1:76:A:VAL:HG13	3	1.11
(1,771)	1:55:A:ALA:HB2	1:76:A:VAL:HG11	3	1.11
(1,771)	1:55:A:ALA:HB2	1:76:A:VAL:HG12	3	1.11
(1,771)	1:55:A:ALA:HB2	1:76:A:VAL:HG13	3	1.11
(1,771)	1:55:A:ALA:HB3	1:76:A:VAL:HG11	3	1.11
(1,771)	1:55:A:ALA:HB3	1:76:A:VAL:HG12	3	1.11
(1,771)	1:55:A:ALA:HB3	1:76:A:VAL:HG13	3	1.11
(1,728)	1:111:A:ILE:HD11	1:17:A:GLY:H	7	1.11
(1,728)	1:111:A:ILE:HD12	1:17:A:GLY:H	7	1.11
(1,728)	1:111:A:ILE:HD13	1:17:A:GLY:H	7	1.11
(1,666)	1:83:A:LEU:HB3	1:87:A:ILE:H	2	1.11
(1,639)	1:97:A:ILE:HD11	1:100:A:ALA:H	8	1.11
(1,639)	1:97:A:ILE:HD12	1:100:A:ALA:H	8	1.11
(1,639)	1:97:A:ILE:HD13	1:100:A:ALA:H	8	1.11
(1,604)	1:46:A:GLN:HB2	1:43:A:SER:H	4	1.11
(1,604)	1:46:A:GLN:HB3	1:43:A:SER:H	4	1.11
(1,1181)	1:97:A:ILE:HD11	1:93:A:TYR:HD1	8	1.1
(1,1181)	1:97:A:ILE:HD12	1:93:A:TYR:HD1	8	1.1
(1,1181)	1:97:A:ILE:HD13	1:93:A:TYR:HD1	8	1.1
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD11	7	1.1
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD12	7	1.1
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD13	7	1.1
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD11	7	1.1
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD12	7	1.1
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD13	7	1.1
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD11	7	1.1
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD12	7	1.1
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD13	7	1.1
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD11	7	1.1
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD12	7	1.1
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD13	7	1.1
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD11	7	1.1
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD12	7	1.1
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD13	7	1.1
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD11	7	1.1
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD12	7	1.1
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD13	7	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB1	3	1.1
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB2	3	1.1
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB3	3	1.1
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG21	2	1.1
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG22	2	1.1
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG23	2	1.1
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG21	2	1.1
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG22	2	1.1
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG23	2	1.1
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG21	2	1.1
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG22	2	1.1
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG23	2	1.1
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG21	8	1.1
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG22	8	1.1
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG23	8	1.1
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG21	8	1.1
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG22	8	1.1
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG23	8	1.1
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG21	8	1.1
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG22	8	1.1
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG23	8	1.1
(1,786)	1:92:A:ALA:HB1	1:93:A:TYR:HD1	9	1.1
(1,786)	1:92:A:ALA:HB2	1:93:A:TYR:HD1	9	1.1
(1,786)	1:92:A:ALA:HB3	1:93:A:TYR:HD1	9	1.1
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG11	4	1.1
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG12	4	1.1
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG13	4	1.1
(1,767)	1:29:A:LEU:HA	1:35:A:VAL:HG11	1	1.1
(1,767)	1:29:A:LEU:HA	1:35:A:VAL:HG12	1	1.1
(1,767)	1:29:A:LEU:HA	1:35:A:VAL:HG13	1	1.1
(1,732)	1:116:A:ALA:HB1	1:20:A:PHE:H	5	1.1
(1,732)	1:116:A:ALA:HB2	1:20:A:PHE:H	5	1.1
(1,732)	1:116:A:ALA:HB3	1:20:A:PHE:H	5	1.1
(1,710)	1:101:A:ILE:HD11	1:58:A:VAL:H	2	1.1
(1,710)	1:101:A:ILE:HD12	1:58:A:VAL:H	2	1.1
(1,710)	1:101:A:ILE:HD13	1:58:A:VAL:H	2	1.1
(1,643)	1:60:A:ASN:HA	1:64:A:LEU:H	9	1.1
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD21	3	1.09
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD22	3	1.09
(1,1198)	1:139:A:PHE:HD1	1:131:A:LEU:HD23	3	1.09
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB1	6	1.09
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB2	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB3	6	1.09
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB1	9	1.09
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB2	9	1.09
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB3	9	1.09
(1,1173)	1:100:A:ALA:HB1	1:79:A:TYR:HE1	9	1.09
(1,1173)	1:100:A:ALA:HB2	1:79:A:TYR:HE1	9	1.09
(1,1173)	1:100:A:ALA:HB3	1:79:A:TYR:HE1	9	1.09
(1,1170)	1:80:A:VAL:HG11	1:79:A:TYR:HD1	8	1.09
(1,1170)	1:80:A:VAL:HG12	1:79:A:TYR:HD1	8	1.09
(1,1170)	1:80:A:VAL:HG13	1:79:A:TYR:HD1	8	1.09
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB1	4	1.09
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB2	4	1.09
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB3	4	1.09
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG21	3	1.09
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG22	3	1.09
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG23	3	1.09
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG21	3	1.09
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG22	3	1.09
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG23	3	1.09
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG21	3	1.09
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG22	3	1.09
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG23	3	1.09
(1,786)	1:92:A:ALA:HB1	1:93:A:TYR:HD1	6	1.09
(1,786)	1:92:A:ALA:HB2	1:93:A:TYR:HD1	6	1.09
(1,786)	1:92:A:ALA:HB3	1:93:A:TYR:HD1	6	1.09
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG11	8	1.09
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG12	8	1.09
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG13	8	1.09
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG11	8	1.09
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG12	8	1.09
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG13	8	1.09
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG11	8	1.09
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG12	8	1.09
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG13	8	1.09
(1,729)	1:116:A:ALA:HB1	1:21:A:ALA:H	6	1.09
(1,729)	1:116:A:ALA:HB2	1:21:A:ALA:H	6	1.09
(1,729)	1:116:A:ALA:HB3	1:21:A:ALA:H	6	1.09
(1,233)	1:29:A:LEU:HG	1:29:A:LEU:H	5	1.09
(1,151)	1:64:A:LEU:HG	1:64:A:LEU:H	3	1.09
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD11	3	1.08
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD12	3	1.08
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD13	3	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:80:A:VAL:HG11	1:79:A:TYR:HD1	9	1.08
(1,1170)	1:80:A:VAL:HG12	1:79:A:TYR:HD1	9	1.08
(1,1170)	1:80:A:VAL:HG13	1:79:A:TYR:HD1	9	1.08
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG21	6	1.08
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG22	6	1.08
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG23	6	1.08
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG21	10	1.08
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG22	10	1.08
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG23	10	1.08
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD11	8	1.08
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD12	8	1.08
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD13	8	1.08
(1,1058)	1:45:A:ASP:HA	1:48:A:VAL:HB	3	1.08
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB1	7	1.08
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB2	7	1.08
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB3	7	1.08
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB1	7	1.08
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB2	7	1.08
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB3	7	1.08
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB1	1	1.08
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB2	1	1.08
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB3	1	1.08
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB1	1	1.08
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB2	1	1.08
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB3	1	1.08
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB1	1	1.08
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB2	1	1.08
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB3	1	1.08
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG11	10	1.08
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG12	10	1.08
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG13	10	1.08
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG11	10	1.08
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG12	10	1.08
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG13	10	1.08
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG11	10	1.08
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG12	10	1.08
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG13	10	1.08
(1,699)	1:76:A:VAL:HG21	1:100:A:ALA:H	2	1.08
(1,699)	1:76:A:VAL:HG22	1:100:A:ALA:H	2	1.08
(1,699)	1:76:A:VAL:HG23	1:100:A:ALA:H	2	1.08
(1,679)	1:64:A:LEU:HB2	1:69:A:MET:H	6	1.08
(1,679)	1:64:A:LEU:HB3	1:69:A:MET:H	6	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:83:A:LEU:HB3	1:87:A:ILE:H	5	1.08
(1,163)	1:73:A:LEU:HG	1:73:A:LEU:H	7	1.08
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD11	6	1.07
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD12	6	1.07
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD13	6	1.07
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD11	6	1.07
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD12	6	1.07
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD13	6	1.07
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD11	6	1.07
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD12	6	1.07
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD13	6	1.07
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD11	6	1.07
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD12	6	1.07
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD13	6	1.07
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD11	8	1.07
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD12	8	1.07
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD13	8	1.07
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD11	8	1.07
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD12	8	1.07
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD13	8	1.07
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD11	8	1.07
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD12	8	1.07
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD13	8	1.07
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD11	7	1.07
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD12	7	1.07
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD13	7	1.07
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD11	4	1.07
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD12	4	1.07
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD13	4	1.07
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD11	4	1.07
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD12	4	1.07
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD13	4	1.07
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD11	4	1.07
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD12	4	1.07
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD13	4	1.07
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD11	4	1.07
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD12	4	1.07
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD13	4	1.07
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD11	4	1.07
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD12	4	1.07
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD13	4	1.07
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD11	4	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD12	4	1.07
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD13	4	1.07
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE1	6	1.07
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE2	6	1.07
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE3	6	1.07
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB1	6	1.07
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB2	6	1.07
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB3	6	1.07
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB1	6	1.07
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB2	6	1.07
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB3	6	1.07
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB1	6	1.07
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB2	6	1.07
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB3	6	1.07
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG21	1	1.07
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG22	1	1.07
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG23	1	1.07
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB1	5	1.07
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB2	5	1.07
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB3	5	1.07
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB1	6	1.07
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB2	6	1.07
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB3	6	1.07
(1,883)	1:134:A:TYR:HB3	1:138:A:VAL:HG21	9	1.07
(1,883)	1:134:A:TYR:HB3	1:138:A:VAL:HG22	9	1.07
(1,883)	1:134:A:TYR:HB3	1:138:A:VAL:HG23	9	1.07
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG21	4	1.07
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG22	4	1.07
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG23	4	1.07
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG21	1	1.07
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG22	1	1.07
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG23	1	1.07
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG21	6	1.07
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG22	6	1.07
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG23	6	1.07
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD21	4	1.07
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD22	4	1.07
(1,845)	1:91:A:SER:HA	1:29:A:LEU:HD23	4	1.07
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG11	4	1.07
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG12	4	1.07
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG13	4	1.07
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG11	4	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG12	4	1.07
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG13	4	1.07
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG11	4	1.07
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG12	4	1.07
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG13	4	1.07
(1,766)	1:90:A:ALA:HB1	1:35:A:VAL:HA	5	1.07
(1,766)	1:90:A:ALA:HB2	1:35:A:VAL:HA	5	1.07
(1,766)	1:90:A:ALA:HB3	1:35:A:VAL:HA	5	1.07
(1,766)	1:90:A:ALA:HB1	1:35:A:VAL:HA	6	1.07
(1,766)	1:90:A:ALA:HB2	1:35:A:VAL:HA	6	1.07
(1,766)	1:90:A:ALA:HB3	1:35:A:VAL:HA	6	1.07
(1,323)	1:130:A:THR:HB	1:131:A:LEU:H	3	1.07
(1,233)	1:29:A:LEU:HG	1:29:A:LEU:H	10	1.07
(1,138)	1:105:A:LEU:HG	1:105:A:LEU:H	4	1.07
(1,1180)	1:41:A:THR:HG21	1:87:A:ILE:HB	4	1.06
(1,1180)	1:41:A:THR:HG22	1:87:A:ILE:HB	4	1.06
(1,1180)	1:41:A:THR:HG23	1:87:A:ILE:HB	4	1.06
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG21	7	1.06
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG22	7	1.06
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG23	7	1.06
(1,1129)	1:137:A:ALA:HB1	1:140:A:TYR:HE1	3	1.06
(1,1129)	1:137:A:ALA:HB2	1:140:A:TYR:HE1	3	1.06
(1,1129)	1:137:A:ALA:HB3	1:140:A:TYR:HE1	3	1.06
(1,1123)	1:50:A:VAL:HG21	1:139:A:PHE:HD1	7	1.06
(1,1123)	1:50:A:VAL:HG22	1:139:A:PHE:HD1	7	1.06
(1,1123)	1:50:A:VAL:HG23	1:139:A:PHE:HD1	7	1.06
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD11	1	1.06
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD12	1	1.06
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD13	1	1.06
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD11	1	1.06
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD12	1	1.06
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD13	1	1.06
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD11	1	1.06
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD12	1	1.06
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD13	1	1.06
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB1	8	1.06
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB2	8	1.06
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB3	8	1.06
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD21	1	1.06
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD22	1	1.06
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD23	1	1.06
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD21	1	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD22	1	1.06
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD23	1	1.06
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD21	1	1.06
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD22	1	1.06
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD23	1	1.06
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD21	8	1.06
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD22	8	1.06
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD23	8	1.06
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD21	8	1.06
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD22	8	1.06
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD23	8	1.06
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD21	8	1.06
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD22	8	1.06
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD23	8	1.06
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD11	4	1.06
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD12	4	1.06
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD13	4	1.06
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD11	4	1.06
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD12	4	1.06
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD13	4	1.06
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD11	4	1.06
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD12	4	1.06
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD13	4	1.06
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG21	4	1.06
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG22	4	1.06
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG23	4	1.06
(1,766)	1:90:A:ALA:HB1	1:35:A:VAL:HA	8	1.06
(1,766)	1:90:A:ALA:HB2	1:35:A:VAL:HA	8	1.06
(1,766)	1:90:A:ALA:HB3	1:35:A:VAL:HA	8	1.06
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG11	1	1.06
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG12	1	1.06
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG13	1	1.06
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG11	5	1.06
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG12	5	1.06
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG13	5	1.06
(1,690)	1:72:A:LEU:HD11	1:59:A:GLY:H	3	1.06
(1,690)	1:72:A:LEU:HD12	1:59:A:GLY:H	3	1.06
(1,690)	1:72:A:LEU:HD13	1:59:A:GLY:H	3	1.06
(1,689)	1:69:A:MET:HE1	1:58:A:VAL:H	6	1.06
(1,689)	1:69:A:MET:HE2	1:58:A:VAL:H	6	1.06
(1,689)	1:69:A:MET:HE3	1:58:A:VAL:H	6	1.06
(1,545)	1:41:A:THR:HB	1:43:A:SER:H	5	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG11	4	1.05
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG12	4	1.05
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG13	4	1.05
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG11	4	1.05
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG12	4	1.05
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG13	4	1.05
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG11	4	1.05
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG12	4	1.05
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG13	4	1.05
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD11	9	1.05
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD12	9	1.05
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD13	9	1.05
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD11	5	1.05
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD12	5	1.05
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD13	5	1.05
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD11	5	1.05
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD12	5	1.05
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD13	5	1.05
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD11	5	1.05
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD12	5	1.05
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD13	5	1.05
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB1	6	1.05
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB2	6	1.05
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB3	6	1.05
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB1	6	1.05
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB2	6	1.05
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB3	6	1.05
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB1	6	1.05
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB2	6	1.05
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB3	6	1.05
(1,1129)	1:137:A:ALA:HB1	1:140:A:TYR:HE1	2	1.05
(1,1129)	1:137:A:ALA:HB2	1:140:A:TYR:HE1	2	1.05
(1,1129)	1:137:A:ALA:HB3	1:140:A:TYR:HE1	2	1.05
(1,1116)	1:127:A:VAL:HG21	1:34:A:PHE:HD1	9	1.05
(1,1116)	1:127:A:VAL:HG22	1:34:A:PHE:HD1	9	1.05
(1,1116)	1:127:A:VAL:HG23	1:34:A:PHE:HD1	9	1.05
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD11	9	1.05
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD12	9	1.05
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD13	9	1.05
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD11	9	1.05
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD12	9	1.05
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD13	9	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD11	9	1.05
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD12	9	1.05
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD13	9	1.05
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD11	5	1.05
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD12	5	1.05
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD13	5	1.05
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD11	5	1.05
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD12	5	1.05
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD13	5	1.05
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD11	5	1.05
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD12	5	1.05
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD13	5	1.05
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD11	10	1.05
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD12	10	1.05
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD13	10	1.05
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD11	10	1.05
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD12	10	1.05
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD13	10	1.05
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD11	10	1.05
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD12	10	1.05
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD13	10	1.05
(1,1014)	1:68:A:ALA:HB1	1:72:A:LEU:HA	2	1.05
(1,1014)	1:68:A:ALA:HB2	1:72:A:LEU:HA	2	1.05
(1,1014)	1:68:A:ALA:HB3	1:72:A:LEU:HA	2	1.05
(1,1014)	1:68:A:ALA:HB1	1:72:A:LEU:HA	4	1.05
(1,1014)	1:68:A:ALA:HB2	1:72:A:LEU:HA	4	1.05
(1,1014)	1:68:A:ALA:HB3	1:72:A:LEU:HA	4	1.05
(1,1014)	1:68:A:ALA:HB1	1:72:A:LEU:HA	5	1.05
(1,1014)	1:68:A:ALA:HB2	1:72:A:LEU:HA	5	1.05
(1,1014)	1:68:A:ALA:HB3	1:72:A:LEU:HA	5	1.05
(1,1014)	1:68:A:ALA:HB1	1:72:A:LEU:HA	8	1.05
(1,1014)	1:68:A:ALA:HB2	1:72:A:LEU:HA	8	1.05
(1,1014)	1:68:A:ALA:HB3	1:72:A:LEU:HA	8	1.05
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB1	9	1.05
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB2	9	1.05
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB3	9	1.05
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB1	9	1.05
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB2	9	1.05
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB3	9	1.05
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB1	9	1.05
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB2	9	1.05
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB3	9	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB1	3	1.05
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB2	3	1.05
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB3	3	1.05
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB1	4	1.05
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB2	4	1.05
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB3	4	1.05
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB1	7	1.05
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB2	7	1.05
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB3	7	1.05
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD21	4	1.05
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD22	4	1.05
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD23	4	1.05
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD21	4	1.05
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD22	4	1.05
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD23	4	1.05
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD21	4	1.05
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD22	4	1.05
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD23	4	1.05
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD21	9	1.05
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD22	9	1.05
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD23	9	1.05
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD21	9	1.05
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD22	9	1.05
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD23	9	1.05
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD21	9	1.05
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD22	9	1.05
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD23	9	1.05
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG21	7	1.05
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG22	7	1.05
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG23	7	1.05
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG21	7	1.05
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG22	7	1.05
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG23	7	1.05
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG21	7	1.05
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG22	7	1.05
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG23	7	1.05
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG21	9	1.05
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG22	9	1.05
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG23	9	1.05
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG21	9	1.05
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG22	9	1.05
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG23	9	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG21	9	1.05
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG22	9	1.05
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG23	9	1.05
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG21	3	1.05
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG22	3	1.05
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG23	3	1.05
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG21	3	1.05
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG22	3	1.05
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG23	3	1.05
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG21	3	1.05
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG22	3	1.05
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG23	3	1.05
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG21	4	1.05
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG22	4	1.05
(1,860)	1:90:A:ALA:HB1	1:35:A:VAL:HG23	4	1.05
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG21	4	1.05
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG22	4	1.05
(1,860)	1:90:A:ALA:HB2	1:35:A:VAL:HG23	4	1.05
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG21	4	1.05
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG22	4	1.05
(1,860)	1:90:A:ALA:HB3	1:35:A:VAL:HG23	4	1.05
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD11	5	1.05
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD12	5	1.05
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD13	5	1.05
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD11	5	1.05
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD12	5	1.05
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD13	5	1.05
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD11	5	1.05
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD12	5	1.05
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD13	5	1.05
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD11	6	1.05
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD12	6	1.05
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD13	6	1.05
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD11	6	1.05
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD12	6	1.05
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD13	6	1.05
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD11	6	1.05
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD12	6	1.05
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD13	6	1.05
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD21	6	1.05
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD22	6	1.05
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD23	6	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD21	6	1.05
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD22	6	1.05
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD23	6	1.05
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD21	6	1.05
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD22	6	1.05
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD23	6	1.05
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG11	10	1.05
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG12	10	1.05
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG13	10	1.05
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG11	5	1.05
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG12	5	1.05
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG13	5	1.05
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG11	5	1.05
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG12	5	1.05
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG13	5	1.05
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG11	5	1.05
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG12	5	1.05
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG13	5	1.05
(1,766)	1:90:A:ALA:HB1	1:35:A:VAL:HA	3	1.05
(1,766)	1:90:A:ALA:HB2	1:35:A:VAL:HA	3	1.05
(1,766)	1:90:A:ALA:HB3	1:35:A:VAL:HA	3	1.05
(1,766)	1:90:A:ALA:HB1	1:35:A:VAL:HA	4	1.05
(1,766)	1:90:A:ALA:HB2	1:35:A:VAL:HA	4	1.05
(1,766)	1:90:A:ALA:HB3	1:35:A:VAL:HA	4	1.05
(1,766)	1:90:A:ALA:HB1	1:35:A:VAL:HA	7	1.05
(1,766)	1:90:A:ALA:HB2	1:35:A:VAL:HA	7	1.05
(1,766)	1:90:A:ALA:HB3	1:35:A:VAL:HA	7	1.05
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG11	1	1.05
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG12	1	1.05
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG13	1	1.05
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG11	1	1.05
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG12	1	1.05
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG13	1	1.05
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG11	1	1.05
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG12	1	1.05
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG13	1	1.05
(1,720)	1:29:A:LEU:HD21	1:91:A:SER:H	1	1.05
(1,720)	1:29:A:LEU:HD22	1:91:A:SER:H	1	1.05
(1,720)	1:29:A:LEU:HD23	1:91:A:SER:H	1	1.05
(1,720)	1:29:A:LEU:HD21	1:91:A:SER:H	1	1.05
(1,720)	1:29:A:LEU:HD22	1:91:A:SER:H	1	1.05
(1,720)	1:29:A:LEU:HD23	1:91:A:SER:H	1	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:72:A:LEU:HD21	1:105:A:LEU:H	9	1.05
(1,704)	1:72:A:LEU:HD22	1:105:A:LEU:H	9	1.05
(1,704)	1:72:A:LEU:HD23	1:105:A:LEU:H	9	1.05
(1,544)	1:41:A:THR:HA	1:43:A:SER:H	3	1.05
(1,323)	1:130:A:THR:HB	1:131:A:LEU:H	7	1.05
(1,163)	1:73:A:LEU:HG	1:73:A:LEU:H	6	1.05
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD11	2	1.04
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD12	2	1.04
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD13	2	1.04
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB1	1	1.04
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB2	1	1.04
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB3	1	1.04
(1,1176)	1:87:A:ILE:HD11	1:83:A:LEU:HB2	1	1.04
(1,1176)	1:87:A:ILE:HD12	1:83:A:LEU:HB2	1	1.04
(1,1176)	1:87:A:ILE:HD13	1:83:A:LEU:HB2	1	1.04
(1,1173)	1:100:A:ALA:HB1	1:79:A:TYR:HE1	1	1.04
(1,1173)	1:100:A:ALA:HB2	1:79:A:TYR:HE1	1	1.04
(1,1173)	1:100:A:ALA:HB3	1:79:A:TYR:HE1	1	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG21	1	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG22	1	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG23	1	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG21	4	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG22	4	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG23	4	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG21	5	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG22	5	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG23	5	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG21	8	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG22	8	1.04
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG23	8	1.04
(1,1129)	1:137:A:ALA:HB1	1:140:A:TYR:HE1	1	1.04
(1,1129)	1:137:A:ALA:HB2	1:140:A:TYR:HE1	1	1.04
(1,1129)	1:137:A:ALA:HB3	1:140:A:TYR:HE1	1	1.04
(1,1129)	1:137:A:ALA:HB1	1:140:A:TYR:HE1	5	1.04
(1,1129)	1:137:A:ALA:HB2	1:140:A:TYR:HE1	5	1.04
(1,1129)	1:137:A:ALA:HB3	1:140:A:TYR:HE1	5	1.04
(1,1121)	1:80:A:VAL:HG21	1:93:A:TYR:HD1	7	1.04
(1,1121)	1:80:A:VAL:HG22	1:93:A:TYR:HD1	7	1.04
(1,1121)	1:80:A:VAL:HG23	1:93:A:TYR:HD1	7	1.04
(1,1120)	1:38:A:ILE:HD11	1:93:A:TYR:HD1	1	1.04
(1,1120)	1:38:A:ILE:HD12	1:93:A:TYR:HD1	1	1.04
(1,1120)	1:38:A:ILE:HD13	1:93:A:TYR:HD1	1	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:28:A:LEU:HD21	1:34:A:PHE:HD1	10	1.04
(1,1117)	1:28:A:LEU:HD22	1:34:A:PHE:HD1	10	1.04
(1,1117)	1:28:A:LEU:HD23	1:34:A:PHE:HD1	10	1.04
(1,1067)	1:96:A:ALA:HB1	1:79:A:TYR:HE1	9	1.04
(1,1067)	1:96:A:ALA:HB2	1:79:A:TYR:HE1	9	1.04
(1,1067)	1:96:A:ALA:HB3	1:79:A:TYR:HE1	9	1.04
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD11	1	1.04
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD12	1	1.04
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD13	1	1.04
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD11	2	1.04
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD12	2	1.04
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD13	2	1.04
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD11	2	1.04
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD12	2	1.04
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD13	2	1.04
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD11	2	1.04
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD12	2	1.04
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD13	2	1.04
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE1	5	1.04
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE2	5	1.04
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE3	5	1.04
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE1	5	1.04
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE2	5	1.04
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE3	5	1.04
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE1	5	1.04
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE2	5	1.04
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE3	5	1.04
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB2	10	1.04
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB3	10	1.04
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB2	10	1.04
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB3	10	1.04
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB2	10	1.04
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB3	10	1.04
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB1	1	1.04
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB2	1	1.04
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB3	1	1.04
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB1	2	1.04
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB2	2	1.04
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB3	2	1.04
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB1	8	1.04
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB2	8	1.04
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB3	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB1	6	1.04
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB2	6	1.04
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB3	6	1.04
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB1	3	1.04
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB2	3	1.04
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB3	3	1.04
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB1	3	1.04
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB2	3	1.04
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB3	3	1.04
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB1	3	1.04
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB2	3	1.04
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB3	3	1.04
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB1	10	1.04
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB2	10	1.04
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB3	10	1.04
(1,867)	1:87:A:ILE:HG21	1:83:A:LEU:HB2	9	1.04
(1,867)	1:87:A:ILE:HG22	1:83:A:LEU:HB2	9	1.04
(1,867)	1:87:A:ILE:HG23	1:83:A:LEU:HB2	9	1.04
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG21	4	1.04
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG22	4	1.04
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG23	4	1.04
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD11	9	1.04
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD12	9	1.04
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD13	9	1.04
(1,766)	1:90:A:ALA:HB1	1:35:A:VAL:HA	10	1.04
(1,766)	1:90:A:ALA:HB2	1:35:A:VAL:HA	10	1.04
(1,766)	1:90:A:ALA:HB3	1:35:A:VAL:HA	10	1.04
(1,734)	1:120:A:ALA:HB1	1:23:A:SER:H	7	1.04
(1,734)	1:120:A:ALA:HB2	1:23:A:SER:H	7	1.04
(1,734)	1:120:A:ALA:HB3	1:23:A:SER:H	7	1.04
(1,729)	1:116:A:ALA:HB1	1:21:A:ALA:H	3	1.04
(1,729)	1:116:A:ALA:HB2	1:21:A:ALA:H	3	1.04
(1,729)	1:116:A:ALA:HB3	1:21:A:ALA:H	3	1.04
(1,715)	1:38:A:ILE:HD11	1:90:A:ALA:H	7	1.04
(1,715)	1:38:A:ILE:HD12	1:90:A:ALA:H	7	1.04
(1,715)	1:38:A:ILE:HD13	1:90:A:ALA:H	7	1.04
(1,672)	1:24:A:LEU:HB3	1:28:A:LEU:H	1	1.04
(1,639)	1:97:A:ILE:HD11	1:100:A:ALA:H	6	1.04
(1,639)	1:97:A:ILE:HD12	1:100:A:ALA:H	6	1.04
(1,639)	1:97:A:ILE:HD13	1:100:A:ALA:H	6	1.04
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG21	4	1.03
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG22	4	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG23	4	1.03
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB1	4	1.03
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB2	4	1.03
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB3	4	1.03
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD11	5	1.03
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD12	5	1.03
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD13	5	1.03
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD11	7	1.03
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD12	7	1.03
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD13	7	1.03
(1,1170)	1:80:A:VAL:HG11	1:79:A:TYR:HD1	6	1.03
(1,1170)	1:80:A:VAL:HG12	1:79:A:TYR:HD1	6	1.03
(1,1170)	1:80:A:VAL:HG13	1:79:A:TYR:HD1	6	1.03
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG21	2	1.03
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG22	2	1.03
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG23	2	1.03
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG21	9	1.03
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG22	9	1.03
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG23	9	1.03
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD11	3	1.03
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD12	3	1.03
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD13	3	1.03
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD11	3	1.03
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD12	3	1.03
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD13	3	1.03
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD11	3	1.03
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD12	3	1.03
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD13	3	1.03
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB1	9	1.03
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB2	9	1.03
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB3	9	1.03
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB1	9	1.03
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB2	9	1.03
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB3	9	1.03
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB1	9	1.03
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB2	9	1.03
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB3	9	1.03
(1,1124)	1:138:A:VAL:HG21	1:139:A:PHE:HD1	4	1.03
(1,1124)	1:138:A:VAL:HG22	1:139:A:PHE:HD1	4	1.03
(1,1124)	1:138:A:VAL:HG23	1:139:A:PHE:HD1	4	1.03
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD11	5	1.03
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD12	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD13	5	1.03
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD11	5	1.03
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD12	5	1.03
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD13	5	1.03
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD11	5	1.03
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD12	5	1.03
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD13	5	1.03
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD11	1	1.03
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD12	1	1.03
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD13	1	1.03
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD11	1	1.03
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD12	1	1.03
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD13	1	1.03
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD11	1	1.03
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD12	1	1.03
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD13	1	1.03
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD11	5	1.03
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD12	5	1.03
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD13	5	1.03
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD11	5	1.03
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD12	5	1.03
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD13	5	1.03
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD11	5	1.03
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD12	5	1.03
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD13	5	1.03
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD11	10	1.03
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD12	10	1.03
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD13	10	1.03
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD11	10	1.03
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD12	10	1.03
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD13	10	1.03
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD11	10	1.03
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD12	10	1.03
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD13	10	1.03
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD11	10	1.03
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD12	10	1.03
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD13	10	1.03
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD11	10	1.03
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD12	10	1.03
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD13	10	1.03
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD11	10	1.03
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD12	10	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD13	10	1.03
(1,1023)	1:116:A:ALA:HB1	1:111:A:ILE:HD11	8	1.03
(1,1023)	1:116:A:ALA:HB1	1:111:A:ILE:HD12	8	1.03
(1,1023)	1:116:A:ALA:HB1	1:111:A:ILE:HD13	8	1.03
(1,1023)	1:116:A:ALA:HB2	1:111:A:ILE:HD11	8	1.03
(1,1023)	1:116:A:ALA:HB2	1:111:A:ILE:HD12	8	1.03
(1,1023)	1:116:A:ALA:HB2	1:111:A:ILE:HD13	8	1.03
(1,1023)	1:116:A:ALA:HB3	1:111:A:ILE:HD11	8	1.03
(1,1023)	1:116:A:ALA:HB3	1:111:A:ILE:HD12	8	1.03
(1,1023)	1:116:A:ALA:HB3	1:111:A:ILE:HD13	8	1.03
(1,1014)	1:68:A:ALA:HB1	1:72:A:LEU:HA	3	1.03
(1,1014)	1:68:A:ALA:HB2	1:72:A:LEU:HA	3	1.03
(1,1014)	1:68:A:ALA:HB3	1:72:A:LEU:HA	3	1.03
(1,991)	1:62:A:LEU:HD11	1:111:A:ILE:CG2	3	1.03
(1,991)	1:62:A:LEU:HD12	1:111:A:ILE:CG2	3	1.03
(1,991)	1:62:A:LEU:HD13	1:111:A:ILE:CG2	3	1.03
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG21	3	1.03
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG22	3	1.03
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG23	3	1.03
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG21	3	1.03
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG22	3	1.03
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG23	3	1.03
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG21	3	1.03
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG22	3	1.03
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG23	3	1.03
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB1	9	1.03
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB2	9	1.03
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB3	9	1.03
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB1	5	1.03
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB2	5	1.03
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB3	5	1.03
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB1	5	1.03
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB2	5	1.03
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB3	5	1.03
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB1	5	1.03
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB2	5	1.03
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB3	5	1.03
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG21	4	1.03
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG22	4	1.03
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG23	4	1.03
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB1	8	1.03
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB2	8	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB3	8	1.03
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB1	8	1.03
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB2	8	1.03
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB3	8	1.03
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB1	8	1.03
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB2	8	1.03
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB3	8	1.03
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB1	5	1.03
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB2	5	1.03
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB3	5	1.03
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB1	5	1.03
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB2	5	1.03
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB3	5	1.03
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB1	5	1.03
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB2	5	1.03
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB3	5	1.03
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB1	10	1.03
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB2	10	1.03
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB3	10	1.03
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB1	10	1.03
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB2	10	1.03
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB3	10	1.03
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB1	10	1.03
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB2	10	1.03
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB3	10	1.03
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB1	1	1.03
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB2	1	1.03
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB3	1	1.03
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB1	1	1.03
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB2	1	1.03
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB3	1	1.03
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB1	1	1.03
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB2	1	1.03
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB3	1	1.03
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB1	9	1.03
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB2	9	1.03
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB3	9	1.03
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB1	9	1.03
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB2	9	1.03
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB3	9	1.03
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB1	6	1.03
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB2	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB3	6	1.03
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB1	6	1.03
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB2	6	1.03
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB3	6	1.03
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB1	6	1.03
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB2	6	1.03
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB3	6	1.03
(1,887)	1:111:A:ILE:HD11	1:116:A:ALA:HB1	8	1.03
(1,887)	1:111:A:ILE:HD11	1:116:A:ALA:HB2	8	1.03
(1,887)	1:111:A:ILE:HD11	1:116:A:ALA:HB3	8	1.03
(1,887)	1:111:A:ILE:HD12	1:116:A:ALA:HB1	8	1.03
(1,887)	1:111:A:ILE:HD12	1:116:A:ALA:HB2	8	1.03
(1,887)	1:111:A:ILE:HD12	1:116:A:ALA:HB3	8	1.03
(1,887)	1:111:A:ILE:HD13	1:116:A:ALA:HB1	8	1.03
(1,887)	1:111:A:ILE:HD13	1:116:A:ALA:HB2	8	1.03
(1,887)	1:111:A:ILE:HD13	1:116:A:ALA:HB3	8	1.03
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG21	3	1.03
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG22	3	1.03
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG23	3	1.03
(1,867)	1:87:A:ILE:HG21	1:83:A:LEU:HB2	4	1.03
(1,867)	1:87:A:ILE:HG22	1:83:A:LEU:HB2	4	1.03
(1,867)	1:87:A:ILE:HG23	1:83:A:LEU:HB2	4	1.03
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG21	10	1.03
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG22	10	1.03
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG23	10	1.03
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD11	2	1.03
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD12	2	1.03
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD13	2	1.03
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD11	2	1.03
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD12	2	1.03
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD13	2	1.03
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD11	2	1.03
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD12	2	1.03
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD13	2	1.03
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG21	9	1.03
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG22	9	1.03
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG23	9	1.03
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG21	9	1.03
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG22	9	1.03
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG23	9	1.03
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG21	9	1.03
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG22	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG23	9	1.03
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD21	9	1.03
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD22	9	1.03
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD23	9	1.03
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD21	9	1.03
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD22	9	1.03
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD23	9	1.03
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD21	9	1.03
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD22	9	1.03
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD23	9	1.03
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD21	8	1.03
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD22	8	1.03
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD23	8	1.03
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD21	8	1.03
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD22	8	1.03
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD23	8	1.03
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD21	8	1.03
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD22	8	1.03
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD23	8	1.03
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG11	3	1.03
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG12	3	1.03
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG13	3	1.03
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG11	3	1.03
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG12	3	1.03
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG13	3	1.03
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG11	3	1.03
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG12	3	1.03
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG13	3	1.03
(1,436)	1:111:A:ILE:HB	1:112:A:SER:H	8	1.03
(1,436)	1:111:A:ILE:HB	1:112:A:SER:H	9	1.03
(1,163)	1:73:A:LEU:HG	1:73:A:LEU:H	1	1.03
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD11	1	1.02
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD12	1	1.02
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD13	1	1.02
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD11	8	1.02
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD12	8	1.02
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD13	8	1.02
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD11	10	1.02
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD12	10	1.02
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD13	10	1.02
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG21	2	1.02
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG22	2	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG23	2	1.02
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG21	2	1.02
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG22	2	1.02
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG23	2	1.02
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG21	2	1.02
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG22	2	1.02
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG23	2	1.02
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG21	1	1.02
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG22	1	1.02
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG23	1	1.02
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG21	1	1.02
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG22	1	1.02
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG23	1	1.02
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG21	1	1.02
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG22	1	1.02
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG23	1	1.02
(1,1176)	1:87:A:ILE:HD11	1:83:A:LEU:HB2	5	1.02
(1,1176)	1:87:A:ILE:HD12	1:83:A:LEU:HB2	5	1.02
(1,1176)	1:87:A:ILE:HD13	1:83:A:LEU:HB2	5	1.02
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD11	10	1.02
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD12	10	1.02
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD13	10	1.02
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD11	10	1.02
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD12	10	1.02
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD13	10	1.02
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD11	10	1.02
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD12	10	1.02
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD13	10	1.02
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG21	3	1.02
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG22	3	1.02
(1,1156)	1:34:A:PHE:HZ	1:38:A:ILE:HG23	3	1.02
(1,1146)	1:37:A:MET:HE1	1:34:A:PHE:HZ	2	1.02
(1,1146)	1:37:A:MET:HE2	1:34:A:PHE:HZ	2	1.02
(1,1146)	1:37:A:MET:HE3	1:34:A:PHE:HZ	2	1.02
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD11	1	1.02
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD12	1	1.02
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD13	1	1.02
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD11	1	1.02
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD12	1	1.02
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD13	1	1.02
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD11	1	1.02
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD12	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD13	1	1.02
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD11	2	1.02
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD12	2	1.02
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD13	2	1.02
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD11	2	1.02
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD12	2	1.02
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD13	2	1.02
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD11	2	1.02
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD12	2	1.02
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD13	2	1.02
(1,1133)	1:130:A:THR:HB	1:139:A:PHE:HZ	7	1.02
(1,1132)	1:127:A:VAL:HA	1:139:A:PHE:HD1	2	1.02
(1,1067)	1:96:A:ALA:HB1	1:79:A:TYR:HE1	5	1.02
(1,1067)	1:96:A:ALA:HB2	1:79:A:TYR:HE1	5	1.02
(1,1067)	1:96:A:ALA:HB3	1:79:A:TYR:HE1	5	1.02
(1,1066)	1:130:A:THR:HG21	1:134:A:TYR:HE1	9	1.02
(1,1066)	1:130:A:THR:HG22	1:134:A:TYR:HE1	9	1.02
(1,1066)	1:130:A:THR:HG23	1:134:A:TYR:HE1	9	1.02
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD11	5	1.02
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD12	5	1.02
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD13	5	1.02
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD11	5	1.02
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD12	5	1.02
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD13	5	1.02
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD11	5	1.02
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD12	5	1.02
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD13	5	1.02
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE1	6	1.02
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE2	6	1.02
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE3	6	1.02
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE1	6	1.02
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE2	6	1.02
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE3	6	1.02
(1,994)	1:127:A:VAL:HG11	1:57:A:ASN:HB2	10	1.02
(1,994)	1:127:A:VAL:HG11	1:57:A:ASN:HB3	10	1.02
(1,994)	1:127:A:VAL:HG12	1:57:A:ASN:HB2	10	1.02
(1,994)	1:127:A:VAL:HG12	1:57:A:ASN:HB3	10	1.02
(1,994)	1:127:A:VAL:HG13	1:57:A:ASN:HB2	10	1.02
(1,994)	1:127:A:VAL:HG13	1:57:A:ASN:HB3	10	1.02
(1,983)	1:93:A:TYR:HD1	1:97:A:ILE:HG21	1	1.02
(1,983)	1:93:A:TYR:HD1	1:97:A:ILE:HG22	1	1.02
(1,983)	1:93:A:TYR:HD1	1:97:A:ILE:HG23	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB1	5	1.02
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB2	5	1.02
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB3	5	1.02
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB1	10	1.02
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB2	10	1.02
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB3	10	1.02
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB1	7	1.02
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB2	7	1.02
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB3	7	1.02
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB1	7	1.02
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB2	7	1.02
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB3	7	1.02
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB1	7	1.02
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB2	7	1.02
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB3	7	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD21	2	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD22	2	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD23	2	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD21	2	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD22	2	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD23	2	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD21	2	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD22	2	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD23	2	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD21	5	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD22	5	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD23	5	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD21	5	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD22	5	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD23	5	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD21	5	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD22	5	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD23	5	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD21	6	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD22	6	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD23	6	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD21	6	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD22	6	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD23	6	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD21	6	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD22	6	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD23	6	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD21	10	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD22	10	1.02
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD23	10	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD21	10	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD22	10	1.02
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD23	10	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD21	10	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD22	10	1.02
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD23	10	1.02
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG21	5	1.02
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG22	5	1.02
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG23	5	1.02
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG21	6	1.02
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG22	6	1.02
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG23	6	1.02
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG21	6	1.02
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG22	6	1.02
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG23	6	1.02
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG21	6	1.02
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG22	6	1.02
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG23	6	1.02
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG21	9	1.02
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG22	9	1.02
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG23	9	1.02
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD11	7	1.02
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD12	7	1.02
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD13	7	1.02
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD11	7	1.02
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD12	7	1.02
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD13	7	1.02
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD11	7	1.02
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD12	7	1.02
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD13	7	1.02
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG21	6	1.02
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG22	6	1.02
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG23	6	1.02
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG21	6	1.02
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG22	6	1.02
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG23	6	1.02
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG21	6	1.02
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG22	6	1.02
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG23	6	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:73:A:LEU:HD21	1:52:A:THR:HG21	2	1.02
(1,823)	1:73:A:LEU:HD21	1:52:A:THR:HG22	2	1.02
(1,823)	1:73:A:LEU:HD21	1:52:A:THR:HG23	2	1.02
(1,823)	1:73:A:LEU:HD22	1:52:A:THR:HG21	2	1.02
(1,823)	1:73:A:LEU:HD22	1:52:A:THR:HG22	2	1.02
(1,823)	1:73:A:LEU:HD22	1:52:A:THR:HG23	2	1.02
(1,823)	1:73:A:LEU:HD23	1:52:A:THR:HG21	2	1.02
(1,823)	1:73:A:LEU:HD23	1:52:A:THR:HG22	2	1.02
(1,823)	1:73:A:LEU:HD23	1:52:A:THR:HG23	2	1.02
(1,822)	1:136:A:PRO:HA	1:139:A:PHE:HD1	7	1.02
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG21	7	1.02
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG22	7	1.02
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG23	7	1.02
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG21	7	1.02
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG22	7	1.02
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG23	7	1.02
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG21	7	1.02
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG22	7	1.02
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG23	7	1.02
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD11	8	1.02
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD12	8	1.02
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD13	8	1.02
(1,792)	1:134:A:TYR:HB3	1:130:A:THR:HG21	10	1.02
(1,792)	1:134:A:TYR:HB3	1:130:A:THR:HG22	10	1.02
(1,792)	1:134:A:TYR:HB3	1:130:A:THR:HG23	10	1.02
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG21	1	1.02
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG22	1	1.02
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG23	1	1.02
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG21	1	1.02
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG22	1	1.02
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG23	1	1.02
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG21	1	1.02
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG22	1	1.02
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG23	1	1.02
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG11	7	1.02
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG12	7	1.02
(1,780)	1:101:A:ILE:HD11	1:104:A:VAL:HG13	7	1.02
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG11	7	1.02
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG12	7	1.02
(1,780)	1:101:A:ILE:HD12	1:104:A:VAL:HG13	7	1.02
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG11	7	1.02
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG12	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:101:A:ILE:HD13	1:104:A:VAL:HG13	7	1.02
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG11	2	1.02
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG12	2	1.02
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG13	2	1.02
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG11	2	1.02
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG12	2	1.02
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG13	2	1.02
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG11	2	1.02
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG12	2	1.02
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG13	2	1.02
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG11	7	1.02
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG12	7	1.02
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG13	7	1.02
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG11	7	1.02
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG12	7	1.02
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG13	7	1.02
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG11	7	1.02
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG12	7	1.02
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG13	7	1.02
(1,689)	1:69:A:MET:HE1	1:58:A:VAL:H	3	1.02
(1,689)	1:69:A:MET:HE2	1:58:A:VAL:H	3	1.02
(1,689)	1:69:A:MET:HE3	1:58:A:VAL:H	3	1.02
(1,233)	1:29:A:LEU:HG	1:29:A:LEU:H	9	1.02
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG21	1	1.01
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG22	1	1.01
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG23	1	1.01
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB1	8	1.01
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB2	8	1.01
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB3	8	1.01
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD11	2	1.01
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD12	2	1.01
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD13	2	1.01
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG11	7	1.01
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG12	7	1.01
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG13	7	1.01
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG11	7	1.01
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG12	7	1.01
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG13	7	1.01
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG11	7	1.01
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG12	7	1.01
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG13	7	1.01
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD11	4	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD12	4	1.01
(1,1187)	1:20:A:PHE:HZ	1:101:A:ILE:HD13	4	1.01
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB1	3	1.01
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB2	3	1.01
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB3	3	1.01
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG21	9	1.01
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG22	9	1.01
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG23	9	1.01
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG21	9	1.01
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG22	9	1.01
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG23	9	1.01
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG21	9	1.01
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG22	9	1.01
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG23	9	1.01
(1,1180)	1:41:A:THR:HG21	1:87:A:ILE:HB	3	1.01
(1,1180)	1:41:A:THR:HG22	1:87:A:ILE:HB	3	1.01
(1,1180)	1:41:A:THR:HG23	1:87:A:ILE:HB	3	1.01
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG21	9	1.01
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG22	9	1.01
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG23	9	1.01
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG21	9	1.01
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG22	9	1.01
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG23	9	1.01
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG21	9	1.01
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG22	9	1.01
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG23	9	1.01
(1,1173)	1:100:A:ALA:HB1	1:79:A:TYR:HE1	3	1.01
(1,1173)	1:100:A:ALA:HB2	1:79:A:TYR:HE1	3	1.01
(1,1173)	1:100:A:ALA:HB3	1:79:A:TYR:HE1	3	1.01
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB2	2	1.01
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB3	2	1.01
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB2	5	1.01
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB3	5	1.01
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD11	7	1.01
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD12	7	1.01
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD13	7	1.01
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD11	7	1.01
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD12	7	1.01
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD13	7	1.01
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD11	7	1.01
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD12	7	1.01
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD13	7	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:127:A:VAL:HG21	1:34:A:PHE:HE1	2	1.01
(1,1147)	1:127:A:VAL:HG22	1:34:A:PHE:HE1	2	1.01
(1,1147)	1:127:A:VAL:HG23	1:34:A:PHE:HE1	2	1.01
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD11	9	1.01
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD12	9	1.01
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD13	9	1.01
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD11	9	1.01
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD12	9	1.01
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD13	9	1.01
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD11	9	1.01
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD12	9	1.01
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD13	9	1.01
(1,1128)	1:41:A:THR:HG21	1:140:A:TYR:HE1	4	1.01
(1,1128)	1:41:A:THR:HG22	1:140:A:TYR:HE1	4	1.01
(1,1128)	1:41:A:THR:HG23	1:140:A:TYR:HE1	4	1.01
(1,1124)	1:138:A:VAL:HG21	1:139:A:PHE:HD1	1	1.01
(1,1124)	1:138:A:VAL:HG22	1:139:A:PHE:HD1	1	1.01
(1,1124)	1:138:A:VAL:HG23	1:139:A:PHE:HD1	1	1.01
(1,1123)	1:50:A:VAL:HG21	1:139:A:PHE:HD1	4	1.01
(1,1123)	1:50:A:VAL:HG22	1:139:A:PHE:HD1	4	1.01
(1,1123)	1:50:A:VAL:HG23	1:139:A:PHE:HD1	4	1.01
(1,1121)	1:80:A:VAL:HG21	1:93:A:TYR:HD1	2	1.01
(1,1121)	1:80:A:VAL:HG22	1:93:A:TYR:HD1	2	1.01
(1,1121)	1:80:A:VAL:HG23	1:93:A:TYR:HD1	2	1.01
(1,1121)	1:80:A:VAL:HG21	1:93:A:TYR:HD1	6	1.01
(1,1121)	1:80:A:VAL:HG22	1:93:A:TYR:HD1	6	1.01
(1,1121)	1:80:A:VAL:HG23	1:93:A:TYR:HD1	6	1.01
(1,1115)	1:131:A:LEU:HD11	1:34:A:PHE:HD1	10	1.01
(1,1115)	1:131:A:LEU:HD12	1:34:A:PHE:HD1	10	1.01
(1,1115)	1:131:A:LEU:HD13	1:34:A:PHE:HD1	10	1.01
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD11	10	1.01
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD12	10	1.01
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD13	10	1.01
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD21	9	1.01
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD22	9	1.01
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD23	9	1.01
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD21	9	1.01
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD22	9	1.01
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD23	9	1.01
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD21	9	1.01
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD22	9	1.01
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD23	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD11	2	1.01
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD12	2	1.01
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD13	2	1.01
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD11	2	1.01
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD12	2	1.01
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD13	2	1.01
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD11	2	1.01
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD12	2	1.01
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD13	2	1.01
(1,1043)	1:38:A:ILE:HG21	1:90:A:ALA:HA	10	1.01
(1,1043)	1:38:A:ILE:HG22	1:90:A:ALA:HA	10	1.01
(1,1043)	1:38:A:ILE:HG23	1:90:A:ALA:HA	10	1.01
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD11	4	1.01
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD12	4	1.01
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD13	4	1.01
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD11	4	1.01
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD12	4	1.01
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD13	4	1.01
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD11	4	1.01
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD12	4	1.01
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD13	4	1.01
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD11	5	1.01
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD12	5	1.01
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD13	5	1.01
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD11	5	1.01
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD12	5	1.01
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD13	5	1.01
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD11	5	1.01
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD12	5	1.01
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD13	5	1.01
(1,1014)	1:68:A:ALA:HB1	1:72:A:LEU:HA	10	1.01
(1,1014)	1:68:A:ALA:HB2	1:72:A:LEU:HA	10	1.01
(1,1014)	1:68:A:ALA:HB3	1:72:A:LEU:HA	10	1.01
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE1	2	1.01
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE2	2	1.01
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE3	2	1.01
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE1	2	1.01
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE2	2	1.01
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE3	2	1.01
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE1	2	1.01
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE2	2	1.01
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE3	2	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE1	4	1.01
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE2	4	1.01
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE3	4	1.01
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE1	4	1.01
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE2	4	1.01
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE3	4	1.01
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE1	4	1.01
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE2	4	1.01
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE3	4	1.01
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE1	4	1.01
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE2	4	1.01
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE3	4	1.01
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE1	3	1.01
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE2	3	1.01
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE3	3	1.01
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE1	3	1.01
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE2	3	1.01
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE3	3	1.01
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE1	3	1.01
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE2	3	1.01
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE3	3	1.01
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG21	4	1.01
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG22	4	1.01
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG23	4	1.01
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG21	4	1.01
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG22	4	1.01
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG23	4	1.01
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG21	4	1.01
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG22	4	1.01
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG23	4	1.01
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB1	10	1.01
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB2	10	1.01
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB3	10	1.01
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG21	10	1.01
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG22	10	1.01
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG23	10	1.01
(1,951)	1:132:A:THR:HG21	1:31:A:SER:HB3	3	1.01
(1,951)	1:132:A:THR:HG22	1:31:A:SER:HB3	3	1.01
(1,951)	1:132:A:THR:HG23	1:31:A:SER:HB3	3	1.01
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG21	5	1.01
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG22	5	1.01
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG23	5	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG21	8	1.01
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG22	8	1.01
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG23	8	1.01
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG21	10	1.01
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG22	10	1.01
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG23	10	1.01
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB1	2	1.01
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB2	2	1.01
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB3	2	1.01
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB1	2	1.01
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB2	2	1.01
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB3	2	1.01
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB1	2	1.01
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB2	2	1.01
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB3	2	1.01
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB1	9	1.01
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB2	9	1.01
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB3	9	1.01
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB1	9	1.01
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB2	9	1.01
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB3	9	1.01
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB1	9	1.01
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB2	9	1.01
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB3	9	1.01
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB1	2	1.01
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB2	2	1.01
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB3	2	1.01
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB1	2	1.01
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB2	2	1.01
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB3	2	1.01
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB1	6	1.01
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB2	6	1.01
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB3	6	1.01
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB1	6	1.01
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB2	6	1.01
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB3	6	1.01
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB1	8	1.01
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB2	8	1.01
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB3	8	1.01
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB1	8	1.01
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB2	8	1.01
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB3	8	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB1	7	1.01
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB2	7	1.01
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB3	7	1.01
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB1	7	1.01
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB2	7	1.01
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB3	7	1.01
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB1	7	1.01
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB2	7	1.01
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB3	7	1.01
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD21	7	1.01
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD22	7	1.01
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD23	7	1.01
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD21	7	1.01
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD22	7	1.01
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD23	7	1.01
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD21	7	1.01
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD22	7	1.01
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD23	7	1.01
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG21	1	1.01
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG22	1	1.01
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG23	1	1.01
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG21	1	1.01
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG22	1	1.01
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG23	1	1.01
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG21	1	1.01
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG22	1	1.01
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG23	1	1.01
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG21	5	1.01
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG22	5	1.01
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG23	5	1.01
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG21	5	1.01
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG22	5	1.01
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG23	5	1.01
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG21	5	1.01
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG22	5	1.01
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG23	5	1.01
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG21	8	1.01
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG22	8	1.01
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG23	8	1.01
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG21	8	1.01
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG22	8	1.01
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG23	8	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG21	8	1.01
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG22	8	1.01
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG23	8	1.01
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD11	1	1.01
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD12	1	1.01
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD13	1	1.01
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD11	1	1.01
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD12	1	1.01
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD13	1	1.01
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD11	1	1.01
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD12	1	1.01
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD13	1	1.01
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD11	8	1.01
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD12	8	1.01
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD13	8	1.01
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD11	8	1.01
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD12	8	1.01
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD13	8	1.01
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD11	8	1.01
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD12	8	1.01
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD13	8	1.01
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD11	9	1.01
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD12	9	1.01
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD13	9	1.01
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD11	9	1.01
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD12	9	1.01
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD13	9	1.01
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD11	9	1.01
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD12	9	1.01
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD13	9	1.01
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG21	2	1.01
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG22	2	1.01
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG23	2	1.01
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG21	10	1.01
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG22	10	1.01
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG23	10	1.01
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG21	10	1.01
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG22	10	1.01
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG23	10	1.01
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG21	10	1.01
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG22	10	1.01
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG23	10	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG21	3	1.01
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG22	3	1.01
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG23	3	1.01
(1,801)	1:119:A:ALA:HB1	1:20:A:PHE:HD1	10	1.01
(1,801)	1:119:A:ALA:HB2	1:20:A:PHE:HD1	10	1.01
(1,801)	1:119:A:ALA:HB3	1:20:A:PHE:HD1	10	1.01
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG21	9	1.01
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG22	9	1.01
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG23	9	1.01
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG21	9	1.01
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG22	9	1.01
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG23	9	1.01
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG21	9	1.01
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG22	9	1.01
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG23	9	1.01
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG11	2	1.01
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG12	2	1.01
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG13	2	1.01
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG11	2	1.01
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG12	2	1.01
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG13	2	1.01
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG11	2	1.01
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG12	2	1.01
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG13	2	1.01
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG11	9	1.01
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG12	9	1.01
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG13	9	1.01
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG11	9	1.01
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG12	9	1.01
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG13	9	1.01
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG11	9	1.01
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG12	9	1.01
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG13	9	1.01
(1,721)	1:29:A:LEU:HD21	1:92:A:ALA:H	2	1.01
(1,721)	1:29:A:LEU:HD22	1:92:A:ALA:H	2	1.01
(1,721)	1:29:A:LEU:HD23	1:92:A:ALA:H	2	1.01
(1,712)	1:101:A:ILE:HD11	1:55:A:ALA:H	6	1.01
(1,712)	1:101:A:ILE:HD12	1:55:A:ALA:H	6	1.01
(1,712)	1:101:A:ILE:HD13	1:55:A:ALA:H	6	1.01
(1,685)	1:111:A:ILE:HD11	1:105:A:LEU:H	6	1.01
(1,685)	1:111:A:ILE:HD12	1:105:A:LEU:H	6	1.01
(1,685)	1:111:A:ILE:HD13	1:105:A:LEU:H	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:97:A:ILE:HD11	1:100:A:ALA:H	4	1.01
(1,639)	1:97:A:ILE:HD12	1:100:A:ALA:H	4	1.01
(1,639)	1:97:A:ILE:HD13	1:100:A:ALA:H	4	1.01
(1,545)	1:41:A:THR:HB	1:43:A:SER:H	3	1.01
(1,323)	1:130:A:THR:HB	1:131:A:LEU:H	1	1.01
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB2	3	1.0
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB3	3	1.0
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG2	5	1.0
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG3	5	1.0
(1,1147)	1:127:A:VAL:HG21	1:34:A:PHE:HE1	4	1.0
(1,1147)	1:127:A:VAL:HG22	1:34:A:PHE:HE1	4	1.0
(1,1147)	1:127:A:VAL:HG23	1:34:A:PHE:HE1	4	1.0
(1,1120)	1:38:A:ILE:HD11	1:93:A:TYR:HD1	8	1.0
(1,1120)	1:38:A:ILE:HD12	1:93:A:TYR:HD1	8	1.0
(1,1120)	1:38:A:ILE:HD13	1:93:A:TYR:HD1	8	1.0
(1,1114)	1:37:A:MET:HE1	1:34:A:PHE:HD1	2	1.0
(1,1114)	1:37:A:MET:HE2	1:34:A:PHE:HD1	2	1.0
(1,1114)	1:37:A:MET:HE3	1:34:A:PHE:HD1	2	1.0
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD21	1	1.0
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD22	1	1.0
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD23	1	1.0
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD21	1	1.0
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD22	1	1.0
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD23	1	1.0
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD21	1	1.0
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD22	1	1.0
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD23	1	1.0
(1,1074)	1:47:A:ALA:HB1	1:93:A:TYR:HE1	7	1.0
(1,1074)	1:47:A:ALA:HB2	1:93:A:TYR:HE1	7	1.0
(1,1074)	1:47:A:ALA:HB3	1:93:A:TYR:HE1	7	1.0
(1,1067)	1:96:A:ALA:HB1	1:79:A:TYR:HE1	6	1.0
(1,1067)	1:96:A:ALA:HB2	1:79:A:TYR:HE1	6	1.0
(1,1067)	1:96:A:ALA:HB3	1:79:A:TYR:HE1	6	1.0
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD11	8	1.0
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD12	8	1.0
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD13	8	1.0
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD11	1	1.0
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD12	1	1.0
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD13	1	1.0
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD11	1	1.0
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD12	1	1.0
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD13	1	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD11	1	1.0
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD12	1	1.0
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD13	1	1.0
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD11	7	1.0
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD12	7	1.0
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD13	7	1.0
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD11	2	1.0
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD12	2	1.0
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD13	2	1.0
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD11	2	1.0
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD12	2	1.0
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD13	2	1.0
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD11	2	1.0
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD12	2	1.0
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD13	2	1.0
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE1	6	1.0
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE2	6	1.0
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE3	6	1.0
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE1	6	1.0
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE2	6	1.0
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE3	6	1.0
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE1	6	1.0
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE2	6	1.0
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE3	6	1.0
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB2	2	1.0
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB3	2	1.0
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB2	2	1.0
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB3	2	1.0
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB2	2	1.0
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB3	2	1.0
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG21	9	1.0
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG22	9	1.0
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG23	9	1.0
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG21	9	1.0
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG22	9	1.0
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG23	9	1.0
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG21	9	1.0
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG22	9	1.0
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG23	9	1.0
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG21	6	1.0
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG22	6	1.0
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG23	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG21	6	1.0
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG22	6	1.0
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG23	6	1.0
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG21	6	1.0
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG22	6	1.0
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG23	6	1.0
(1,951)	1:132:A:THR:HG21	1:31:A:SER:HB3	2	1.0
(1,951)	1:132:A:THR:HG22	1:31:A:SER:HB3	2	1.0
(1,951)	1:132:A:THR:HG23	1:31:A:SER:HB3	2	1.0
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD11	1	1.0
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD12	1	1.0
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD13	1	1.0
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD11	1	1.0
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD12	1	1.0
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD13	1	1.0
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD11	1	1.0
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD12	1	1.0
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD13	1	1.0
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG21	7	1.0
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG22	7	1.0
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG23	7	1.0
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB1	2	1.0
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB2	2	1.0
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB3	2	1.0
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB1	7	1.0
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB2	7	1.0
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB3	7	1.0
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG21	2	1.0
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG22	2	1.0
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG23	2	1.0
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG21	2	1.0
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG22	2	1.0
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG23	2	1.0
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG21	2	1.0
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG22	2	1.0
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG23	2	1.0
(1,787)	1:50:A:VAL:HG11	1:140:A:TYR:HD1	2	1.0
(1,787)	1:50:A:VAL:HG12	1:140:A:TYR:HD1	2	1.0
(1,787)	1:50:A:VAL:HG13	1:140:A:TYR:HD1	2	1.0
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG11	3	1.0
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG12	3	1.0
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG13	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:90:A:ALA:HB1	1:35:A:VAL:HA	2	1.0
(1,766)	1:90:A:ALA:HB2	1:35:A:VAL:HA	2	1.0
(1,766)	1:90:A:ALA:HB3	1:35:A:VAL:HA	2	1.0
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG11	9	1.0
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG12	9	1.0
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG13	9	1.0
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG11	9	1.0
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG12	9	1.0
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG13	9	1.0
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG11	9	1.0
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG12	9	1.0
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG13	9	1.0
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG11	2	1.0
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG12	2	1.0
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG13	2	1.0
(1,734)	1:120:A:ALA:HB1	1:23:A:SER:H	9	1.0
(1,734)	1:120:A:ALA:HB2	1:23:A:SER:H	9	1.0
(1,734)	1:120:A:ALA:HB3	1:23:A:SER:H	9	1.0
(1,549)	1:29:A:LEU:HD21	1:31:A:SER:H	4	1.0
(1,549)	1:29:A:LEU:HD22	1:31:A:SER:H	4	1.0
(1,549)	1:29:A:LEU:HD23	1:31:A:SER:H	4	1.0
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD11	9	0.99
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD12	9	0.99
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD13	9	0.99
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG21	1	0.99
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG22	1	0.99
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG23	1	0.99
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG21	1	0.99
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG22	1	0.99
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG23	1	0.99
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG21	1	0.99
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG22	1	0.99
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG23	1	0.99
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD11	9	0.99
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD12	9	0.99
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD13	9	0.99
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD11	9	0.99
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD12	9	0.99
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD13	9	0.99
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD11	9	0.99
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD12	9	0.99
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD13	9	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD11	1	0.99
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD12	1	0.99
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD13	1	0.99
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD11	1	0.99
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD12	1	0.99
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD13	1	0.99
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD11	1	0.99
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD12	1	0.99
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD13	1	0.99
(1,1129)	1:137:A:ALA:HB1	1:140:A:TYR:HE1	10	0.99
(1,1129)	1:137:A:ALA:HB2	1:140:A:TYR:HE1	10	0.99
(1,1129)	1:137:A:ALA:HB3	1:140:A:TYR:HE1	10	0.99
(1,1116)	1:127:A:VAL:HG21	1:34:A:PHE:HD1	2	0.99
(1,1116)	1:127:A:VAL:HG22	1:34:A:PHE:HD1	2	0.99
(1,1116)	1:127:A:VAL:HG23	1:34:A:PHE:HD1	2	0.99
(1,1079)	1:41:A:THR:HB	1:46:A:GLN:HB2	7	0.99
(1,1079)	1:41:A:THR:HB	1:46:A:GLN:HB3	7	0.99
(1,1074)	1:47:A:ALA:HB1	1:93:A:TYR:HE1	2	0.99
(1,1074)	1:47:A:ALA:HB2	1:93:A:TYR:HE1	2	0.99
(1,1074)	1:47:A:ALA:HB3	1:93:A:TYR:HE1	2	0.99
(1,1056)	1:101:A:ILE:HD11	1:55:A:ALA:HA	10	0.99
(1,1056)	1:101:A:ILE:HD12	1:55:A:ALA:HA	10	0.99
(1,1056)	1:101:A:ILE:HD13	1:55:A:ALA:HA	10	0.99
(1,1043)	1:38:A:ILE:HG21	1:90:A:ALA:HA	7	0.99
(1,1043)	1:38:A:ILE:HG22	1:90:A:ALA:HA	7	0.99
(1,1043)	1:38:A:ILE:HG23	1:90:A:ALA:HA	7	0.99
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD11	8	0.99
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD12	8	0.99
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD13	8	0.99
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD11	8	0.99
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD12	8	0.99
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD13	8	0.99
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD11	8	0.99
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD12	8	0.99
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD13	8	0.99
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD11	9	0.99
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD12	9	0.99
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD13	9	0.99
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD11	9	0.99
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD12	9	0.99
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD13	9	0.99
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD11	9	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD12	9	0.99
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD13	9	0.99
(1,1007)	1:47:A:ALA:HB1	1:87:A:ILE:HB	4	0.99
(1,1007)	1:47:A:ALA:HB2	1:87:A:ILE:HB	4	0.99
(1,1007)	1:47:A:ALA:HB3	1:87:A:ILE:HB	4	0.99
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE1	2	0.99
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE2	2	0.99
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE3	2	0.99
(1,991)	1:62:A:LEU:HD11	1:111:A:ILE:CG2	8	0.99
(1,991)	1:62:A:LEU:HD12	1:111:A:ILE:CG2	8	0.99
(1,991)	1:62:A:LEU:HD13	1:111:A:ILE:CG2	8	0.99
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB1	9	0.99
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB2	9	0.99
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB3	9	0.99
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB1	9	0.99
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB2	9	0.99
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB3	9	0.99
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB1	9	0.99
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB2	9	0.99
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB3	9	0.99
(1,951)	1:132:A:THR:HG21	1:31:A:SER:HB3	4	0.99
(1,951)	1:132:A:THR:HG22	1:31:A:SER:HB3	4	0.99
(1,951)	1:132:A:THR:HG23	1:31:A:SER:HB3	4	0.99
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB1	2	0.99
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB2	2	0.99
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB3	2	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB1	2	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB2	2	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB3	2	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB1	2	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB2	2	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB3	2	0.99
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB1	4	0.99
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB2	4	0.99
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB3	4	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB1	4	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB2	4	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB3	4	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB1	4	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB2	4	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB3	4	0.99
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB1	6	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB2	6	0.99
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB3	6	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB1	6	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB2	6	0.99
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB3	6	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB1	6	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB2	6	0.99
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB3	6	0.99
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB1	2	0.99
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB2	2	0.99
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB3	2	0.99
(1,915)	1:87:A:ILE:HB	1:47:A:ALA:HB1	4	0.99
(1,915)	1:87:A:ILE:HB	1:47:A:ALA:HB2	4	0.99
(1,915)	1:87:A:ILE:HB	1:47:A:ALA:HB3	4	0.99
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG21	3	0.99
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG22	3	0.99
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG23	3	0.99
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG21	3	0.99
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG22	3	0.99
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG23	3	0.99
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG21	3	0.99
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG22	3	0.99
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG23	3	0.99
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG21	10	0.99
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG22	10	0.99
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG23	10	0.99
(1,867)	1:87:A:ILE:HG21	1:83:A:LEU:HB2	8	0.99
(1,867)	1:87:A:ILE:HG22	1:83:A:LEU:HB2	8	0.99
(1,867)	1:87:A:ILE:HG23	1:83:A:LEU:HB2	8	0.99
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG21	9	0.99
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG22	9	0.99
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG23	9	0.99
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG21	9	0.99
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG22	9	0.99
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG23	9	0.99
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG21	9	0.99
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG22	9	0.99
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG23	9	0.99
(1,695)	1:100:A:ALA:HB1	1:79:A:TYR:H	6	0.99
(1,695)	1:100:A:ALA:HB2	1:79:A:TYR:H	6	0.99
(1,695)	1:100:A:ALA:HB3	1:79:A:TYR:H	6	0.99
(1,669)	1:127:A:VAL:HG21	1:131:A:LEU:H	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:127:A:VAL:HG22	1:131:A:LEU:H	8	0.99
(1,669)	1:127:A:VAL:HG23	1:131:A:LEU:H	8	0.99
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD21	3	0.98
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD22	3	0.98
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD23	3	0.98
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD21	3	0.98
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD22	3	0.98
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD23	3	0.98
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD21	3	0.98
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD22	3	0.98
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD23	3	0.98
(1,1127)	1:137:A:ALA:HB1	1:140:A:TYR:HD1	1	0.98
(1,1127)	1:137:A:ALA:HB2	1:140:A:TYR:HD1	1	0.98
(1,1127)	1:137:A:ALA:HB3	1:140:A:TYR:HD1	1	0.98
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD11	9	0.98
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD12	9	0.98
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD13	9	0.98
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD11	9	0.98
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD12	9	0.98
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD13	9	0.98
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD11	9	0.98
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD12	9	0.98
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD13	9	0.98
(1,1112)	1:37:A:MET:HE1	1:131:A:LEU:HD21	10	0.98
(1,1112)	1:37:A:MET:HE1	1:131:A:LEU:HD22	10	0.98
(1,1112)	1:37:A:MET:HE1	1:131:A:LEU:HD23	10	0.98
(1,1112)	1:37:A:MET:HE2	1:131:A:LEU:HD21	10	0.98
(1,1112)	1:37:A:MET:HE2	1:131:A:LEU:HD22	10	0.98
(1,1112)	1:37:A:MET:HE2	1:131:A:LEU:HD23	10	0.98
(1,1112)	1:37:A:MET:HE3	1:131:A:LEU:HD21	10	0.98
(1,1112)	1:37:A:MET:HE3	1:131:A:LEU:HD22	10	0.98
(1,1112)	1:37:A:MET:HE3	1:131:A:LEU:HD23	10	0.98
(1,1067)	1:96:A:ALA:HB1	1:79:A:TYR:HE1	3	0.98
(1,1067)	1:96:A:ALA:HB2	1:79:A:TYR:HE1	3	0.98
(1,1067)	1:96:A:ALA:HB3	1:79:A:TYR:HE1	3	0.98
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD11	3	0.98
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD12	3	0.98
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD13	3	0.98
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD11	3	0.98
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD12	3	0.98
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD13	3	0.98
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD11	3	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD12	3	0.98
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD13	3	0.98
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD11	10	0.98
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD12	10	0.98
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD13	10	0.98
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD11	10	0.98
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD12	10	0.98
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD13	10	0.98
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD11	10	0.98
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD12	10	0.98
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD13	10	0.98
(1,1043)	1:38:A:ILE:HG21	1:90:A:ALA:HA	2	0.98
(1,1043)	1:38:A:ILE:HG22	1:90:A:ALA:HA	2	0.98
(1,1043)	1:38:A:ILE:HG23	1:90:A:ALA:HA	2	0.98
(1,1043)	1:38:A:ILE:HG21	1:90:A:ALA:HA	8	0.98
(1,1043)	1:38:A:ILE:HG22	1:90:A:ALA:HA	8	0.98
(1,1043)	1:38:A:ILE:HG23	1:90:A:ALA:HA	8	0.98
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD11	7	0.98
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD12	7	0.98
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD13	7	0.98
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD11	7	0.98
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD12	7	0.98
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD13	7	0.98
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD11	7	0.98
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD12	7	0.98
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD13	7	0.98
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB1	2	0.98
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB2	2	0.98
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB3	2	0.98
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB1	3	0.98
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB2	3	0.98
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB3	3	0.98
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB1	3	0.98
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB2	3	0.98
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB3	3	0.98
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB1	3	0.98
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB2	3	0.98
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB3	3	0.98
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB1	10	0.98
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB2	10	0.98
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB3	10	0.98
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB1	10	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB2	10	0.98
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB3	10	0.98
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB1	10	0.98
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB2	10	0.98
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB3	10	0.98
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB1	7	0.98
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB2	7	0.98
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB3	7	0.98
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB1	7	0.98
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB2	7	0.98
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB3	7	0.98
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB1	7	0.98
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB2	7	0.98
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB3	7	0.98
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB1	6	0.98
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB2	6	0.98
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB3	6	0.98
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB1	9	0.98
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB2	9	0.98
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB3	9	0.98
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB1	9	0.98
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB2	9	0.98
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB3	9	0.98
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB1	9	0.98
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB2	9	0.98
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB3	9	0.98
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB1	1	0.98
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB2	1	0.98
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB3	1	0.98
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG21	1	0.98
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG22	1	0.98
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG23	1	0.98
(1,867)	1:87:A:ILE:HG21	1:83:A:LEU:HB2	7	0.98
(1,867)	1:87:A:ILE:HG22	1:83:A:LEU:HB2	7	0.98
(1,867)	1:87:A:ILE:HG23	1:83:A:LEU:HB2	7	0.98
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG21	5	0.98
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG22	5	0.98
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG23	5	0.98
(1,766)	1:90:A:ALA:HB1	1:35:A:VAL:HA	1	0.98
(1,766)	1:90:A:ALA:HB2	1:35:A:VAL:HA	1	0.98
(1,766)	1:90:A:ALA:HB3	1:35:A:VAL:HA	1	0.98
(1,721)	1:29:A:LEU:HD21	1:92:A:ALA:H	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:29:A:LEU:HD22	1:92:A:ALA:H	8	0.98
(1,721)	1:29:A:LEU:HD23	1:92:A:ALA:H	8	0.98
(1,713)	1:97:A:ILE:HD11	1:51:A:ALA:H	2	0.98
(1,713)	1:97:A:ILE:HD12	1:51:A:ALA:H	2	0.98
(1,713)	1:97:A:ILE:HD13	1:51:A:ALA:H	2	0.98
(1,323)	1:130:A:THR:HB	1:131:A:LEU:H	2	0.98
(1,211)	1:62:A:LEU:HG	1:62:A:LEU:H	1	0.98
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD11	6	0.97
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD12	6	0.97
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD13	6	0.97
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG21	3	0.97
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG22	3	0.97
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG23	3	0.97
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG21	3	0.97
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG22	3	0.97
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG23	3	0.97
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG21	3	0.97
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG22	3	0.97
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG23	3	0.97
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD11	6	0.97
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD12	6	0.97
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD13	6	0.97
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD21	2	0.97
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD22	2	0.97
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD23	2	0.97
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD21	2	0.97
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD22	2	0.97
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD23	2	0.97
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD21	2	0.97
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD22	2	0.97
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD23	2	0.97
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD11	3	0.97
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD12	3	0.97
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD13	3	0.97
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD11	3	0.97
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD12	3	0.97
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD13	3	0.97
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD11	3	0.97
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD12	3	0.97
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD13	3	0.97
(1,1121)	1:80:A:VAL:HG21	1:93:A:TYR:HD1	8	0.97
(1,1121)	1:80:A:VAL:HG22	1:93:A:TYR:HD1	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:80:A:VAL:HG23	1:93:A:TYR:HD1	8	0.97
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD21	8	0.97
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD22	8	0.97
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD23	8	0.97
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD21	8	0.97
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD22	8	0.97
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD23	8	0.97
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD21	8	0.97
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD22	8	0.97
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD23	8	0.97
(1,1056)	1:101:A:ILE:HD11	1:55:A:ALA:HA	5	0.97
(1,1056)	1:101:A:ILE:HD12	1:55:A:ALA:HA	5	0.97
(1,1056)	1:101:A:ILE:HD13	1:55:A:ALA:HA	5	0.97
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD11	7	0.97
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD12	7	0.97
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD13	7	0.97
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD11	7	0.97
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD12	7	0.97
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD13	7	0.97
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD11	7	0.97
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD12	7	0.97
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD13	7	0.97
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD11	8	0.97
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD12	8	0.97
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD13	8	0.97
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD11	8	0.97
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD12	8	0.97
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD13	8	0.97
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD11	8	0.97
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD12	8	0.97
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD13	8	0.97
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE1	4	0.97
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE2	4	0.97
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE3	4	0.97
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE1	4	0.97
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE2	4	0.97
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE3	4	0.97
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE1	4	0.97
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE2	4	0.97
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE3	4	0.97
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG21	4	0.97
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG22	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG23	4	0.97
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG21	4	0.97
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG22	4	0.97
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG23	4	0.97
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG21	4	0.97
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG22	4	0.97
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG23	4	0.97
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG21	5	0.97
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG22	5	0.97
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG23	5	0.97
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB1	7	0.97
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB2	7	0.97
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB3	7	0.97
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB1	7	0.97
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB2	7	0.97
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB3	7	0.97
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB1	7	0.97
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB2	7	0.97
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB3	7	0.97
(1,951)	1:132:A:THR:HG21	1:31:A:SER:HB3	5	0.97
(1,951)	1:132:A:THR:HG22	1:31:A:SER:HB3	5	0.97
(1,951)	1:132:A:THR:HG23	1:31:A:SER:HB3	5	0.97
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD11	8	0.97
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD12	8	0.97
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD13	8	0.97
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD11	8	0.97
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD12	8	0.97
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD13	8	0.97
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD11	8	0.97
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD12	8	0.97
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD13	8	0.97
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB1	10	0.97
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB2	10	0.97
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB3	10	0.97
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB1	10	0.97
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB2	10	0.97
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB3	10	0.97
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB1	10	0.97
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB2	10	0.97
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB3	10	0.97
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD11	4	0.97
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD12	4	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD13	4	0.97
(1,787)	1:50:A:VAL:HG11	1:140:A:TYR:HD1	1	0.97
(1,787)	1:50:A:VAL:HG12	1:140:A:TYR:HD1	1	0.97
(1,787)	1:50:A:VAL:HG13	1:140:A:TYR:HD1	1	0.97
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG11	4	0.97
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG12	4	0.97
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG13	4	0.97
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG11	4	0.97
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG12	4	0.97
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG13	4	0.97
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG11	4	0.97
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG12	4	0.97
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG13	4	0.97
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG11	1	0.97
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG12	1	0.97
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG13	1	0.97
(1,741)	1:130:A:THR:HG21	1:134:A:TYR:HD1	3	0.97
(1,741)	1:130:A:THR:HG22	1:134:A:TYR:HD1	3	0.97
(1,741)	1:130:A:THR:HG23	1:134:A:TYR:HD1	3	0.97
(1,737)	1:132:A:THR:HG21	1:34:A:PHE:H	9	0.97
(1,737)	1:132:A:THR:HG22	1:34:A:PHE:H	9	0.97
(1,737)	1:132:A:THR:HG23	1:34:A:PHE:H	9	0.97
(1,730)	1:120:A:ALA:HB1	1:24:A:LEU:H	4	0.97
(1,730)	1:120:A:ALA:HB2	1:24:A:LEU:H	4	0.97
(1,730)	1:120:A:ALA:HB3	1:24:A:LEU:H	4	0.97
(1,715)	1:38:A:ILE:HD11	1:90:A:ALA:H	9	0.97
(1,715)	1:38:A:ILE:HD12	1:90:A:ALA:H	9	0.97
(1,715)	1:38:A:ILE:HD13	1:90:A:ALA:H	9	0.97
(1,710)	1:101:A:ILE:HD11	1:58:A:VAL:H	4	0.97
(1,710)	1:101:A:ILE:HD12	1:58:A:VAL:H	4	0.97
(1,710)	1:101:A:ILE:HD13	1:58:A:VAL:H	4	0.97
(1,676)	1:116:A:ALA:HB1	1:120:A:ALA:H	6	0.97
(1,676)	1:116:A:ALA:HB2	1:120:A:ALA:H	6	0.97
(1,676)	1:116:A:ALA:HB3	1:120:A:ALA:H	6	0.97
(1,520)	1:104:A:VAL:HG11	1:103:A:ASN:H	7	0.97
(1,520)	1:104:A:VAL:HG12	1:103:A:ASN:H	7	0.97
(1,520)	1:104:A:VAL:HG13	1:103:A:ASN:H	7	0.97
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD11	10	0.96
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD12	10	0.96
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD13	10	0.96
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD11	6	0.96
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD12	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD13	6	0.96
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB1	3	0.96
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB2	3	0.96
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB3	3	0.96
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB1	3	0.96
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB2	3	0.96
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB3	3	0.96
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB1	3	0.96
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB2	3	0.96
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB3	3	0.96
(1,1038)	1:58:A:VAL:HB	1:101:A:ILE:HD11	3	0.96
(1,1038)	1:58:A:VAL:HB	1:101:A:ILE:HD12	3	0.96
(1,1038)	1:58:A:VAL:HB	1:101:A:ILE:HD13	3	0.96
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE1	8	0.96
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE2	8	0.96
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE3	8	0.96
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE1	8	0.96
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE2	8	0.96
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE3	8	0.96
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB1	4	0.96
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB2	4	0.96
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB3	4	0.96
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB1	4	0.96
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB2	4	0.96
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB3	4	0.96
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD21	3	0.96
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD22	3	0.96
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD23	3	0.96
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD21	3	0.96
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD22	3	0.96
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD23	3	0.96
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD21	3	0.96
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD22	3	0.96
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD23	3	0.96
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG11	3	0.96
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG12	3	0.96
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG13	3	0.96
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG11	10	0.96
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG12	10	0.96
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG13	10	0.96
(1,699)	1:76:A:VAL:HG21	1:100:A:ALA:H	4	0.96
(1,699)	1:76:A:VAL:HG22	1:100:A:ALA:H	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:76:A:VAL:HG23	1:100:A:ALA:H	4	0.96
(1,672)	1:24:A:LEU:HB3	1:28:A:LEU:H	8	0.96
(1,639)	1:97:A:ILE:HD11	1:100:A:ALA:H	3	0.96
(1,639)	1:97:A:ILE:HD12	1:100:A:ALA:H	3	0.96
(1,639)	1:97:A:ILE:HD13	1:100:A:ALA:H	3	0.96
(1,626)	1:83:A:LEU:HD21	1:86:A:ALA:H	8	0.96
(1,626)	1:83:A:LEU:HD22	1:86:A:ALA:H	8	0.96
(1,626)	1:83:A:LEU:HD23	1:86:A:ALA:H	8	0.96
(1,552)	1:44:A:THR:HB	1:46:A:GLN:H	9	0.96
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG21	7	0.95
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG22	7	0.95
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG23	7	0.95
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG21	7	0.95
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG22	7	0.95
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG23	7	0.95
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG21	7	0.95
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG22	7	0.95
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG23	7	0.95
(1,1180)	1:41:A:THR:HG21	1:87:A:ILE:HB	5	0.95
(1,1180)	1:41:A:THR:HG22	1:87:A:ILE:HB	5	0.95
(1,1180)	1:41:A:THR:HG23	1:87:A:ILE:HB	5	0.95
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD11	4	0.95
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD12	4	0.95
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD13	4	0.95
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD11	4	0.95
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD12	4	0.95
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD13	4	0.95
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD11	4	0.95
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD12	4	0.95
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD13	4	0.95
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD11	7	0.95
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD12	7	0.95
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD13	7	0.95
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD11	7	0.95
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD12	7	0.95
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD13	7	0.95
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD11	7	0.95
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD12	7	0.95
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD13	7	0.95
(1,1120)	1:38:A:ILE:HD11	1:93:A:TYR:HD1	7	0.95
(1,1120)	1:38:A:ILE:HD12	1:93:A:TYR:HD1	7	0.95
(1,1120)	1:38:A:ILE:HD13	1:93:A:TYR:HD1	7	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:96:A:ALA:HB1	1:79:A:TYR:HE1	4	0.95
(1,1067)	1:96:A:ALA:HB2	1:79:A:TYR:HE1	4	0.95
(1,1067)	1:96:A:ALA:HB3	1:79:A:TYR:HE1	4	0.95
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD11	7	0.95
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD12	7	0.95
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD13	7	0.95
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB1	8	0.95
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB2	8	0.95
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB3	8	0.95
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB1	3	0.95
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB2	3	0.95
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB3	3	0.95
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG21	5	0.95
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG22	5	0.95
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG23	5	0.95
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG11	1	0.95
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG12	1	0.95
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG13	1	0.95
(1,690)	1:72:A:LEU:HD11	1:59:A:GLY:H	7	0.95
(1,690)	1:72:A:LEU:HD12	1:59:A:GLY:H	7	0.95
(1,690)	1:72:A:LEU:HD13	1:59:A:GLY:H	7	0.95
(1,626)	1:83:A:LEU:HD21	1:86:A:ALA:H	2	0.95
(1,626)	1:83:A:LEU:HD22	1:86:A:ALA:H	2	0.95
(1,626)	1:83:A:LEU:HD23	1:86:A:ALA:H	2	0.95
(1,520)	1:104:A:VAL:HG11	1:103:A:ASN:H	4	0.95
(1,520)	1:104:A:VAL:HG12	1:103:A:ASN:H	4	0.95
(1,520)	1:104:A:VAL:HG13	1:103:A:ASN:H	4	0.95
(1,520)	1:104:A:VAL:HG11	1:103:A:ASN:H	5	0.95
(1,520)	1:104:A:VAL:HG12	1:103:A:ASN:H	5	0.95
(1,520)	1:104:A:VAL:HG13	1:103:A:ASN:H	5	0.95
(1,510)	1:48:A:VAL:HG11	1:47:A:ALA:H	2	0.95
(1,510)	1:48:A:VAL:HG12	1:47:A:ALA:H	2	0.95
(1,510)	1:48:A:VAL:HG13	1:47:A:ALA:H	2	0.95
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG11	4	0.94
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG12	4	0.94
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG13	4	0.94
(1,1122)	1:54:A:VAL:HG11	1:139:A:PHE:HD1	4	0.94
(1,1122)	1:54:A:VAL:HG12	1:139:A:PHE:HD1	4	0.94
(1,1122)	1:54:A:VAL:HG13	1:139:A:PHE:HD1	4	0.94
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD11	6	0.94
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD12	6	0.94
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD13	6	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD11	6	0.94
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD12	6	0.94
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD13	6	0.94
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD11	6	0.94
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD12	6	0.94
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD13	6	0.94
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE1	6	0.94
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE2	6	0.94
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE3	6	0.94
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE1	6	0.94
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE2	6	0.94
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE3	6	0.94
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE1	6	0.94
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE2	6	0.94
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE3	6	0.94
(1,715)	1:38:A:ILE:HD11	1:90:A:ALA:H	10	0.94
(1,715)	1:38:A:ILE:HD12	1:90:A:ALA:H	10	0.94
(1,715)	1:38:A:ILE:HD13	1:90:A:ALA:H	10	0.94
(1,576)	1:128:A:THR:HA	1:131:A:LEU:H	7	0.94
(1,510)	1:48:A:VAL:HG11	1:47:A:ALA:H	1	0.94
(1,510)	1:48:A:VAL:HG12	1:47:A:ALA:H	1	0.94
(1,510)	1:48:A:VAL:HG13	1:47:A:ALA:H	1	0.94
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG11	5	0.93
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG12	5	0.93
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG13	5	0.93
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG11	5	0.93
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG12	5	0.93
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG13	5	0.93
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG11	5	0.93
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG12	5	0.93
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG13	5	0.93
(1,1103)	1:24:A:LEU:HD21	1:28:A:LEU:HD11	8	0.93
(1,1103)	1:24:A:LEU:HD21	1:28:A:LEU:HD12	8	0.93
(1,1103)	1:24:A:LEU:HD21	1:28:A:LEU:HD13	8	0.93
(1,1103)	1:24:A:LEU:HD22	1:28:A:LEU:HD11	8	0.93
(1,1103)	1:24:A:LEU:HD22	1:28:A:LEU:HD12	8	0.93
(1,1103)	1:24:A:LEU:HD22	1:28:A:LEU:HD13	8	0.93
(1,1103)	1:24:A:LEU:HD23	1:28:A:LEU:HD11	8	0.93
(1,1103)	1:24:A:LEU:HD23	1:28:A:LEU:HD12	8	0.93
(1,1103)	1:24:A:LEU:HD23	1:28:A:LEU:HD13	8	0.93
(1,1076)	1:97:A:ILE:HD11	1:93:A:TYR:HE1	2	0.93
(1,1076)	1:97:A:ILE:HD12	1:93:A:TYR:HE1	2	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1076)	1:97:A:ILE:HD13	1:93:A:TYR:HE1	2	0.93
(1,1043)	1:38:A:ILE:HG21	1:90:A:ALA:HA	1	0.93
(1,1043)	1:38:A:ILE:HG22	1:90:A:ALA:HA	1	0.93
(1,1043)	1:38:A:ILE:HG23	1:90:A:ALA:HA	1	0.93
(1,1043)	1:38:A:ILE:HG21	1:90:A:ALA:HA	4	0.93
(1,1043)	1:38:A:ILE:HG22	1:90:A:ALA:HA	4	0.93
(1,1043)	1:38:A:ILE:HG23	1:90:A:ALA:HA	4	0.93
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD11	2	0.93
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD12	2	0.93
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD13	2	0.93
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE1	3	0.93
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE2	3	0.93
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE3	3	0.93
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE1	3	0.93
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE2	3	0.93
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE3	3	0.93
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE1	3	0.93
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE2	3	0.93
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE3	3	0.93
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG21	3	0.93
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG22	3	0.93
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG23	3	0.93
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG21	3	0.93
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG22	3	0.93
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG23	3	0.93
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG21	3	0.93
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG22	3	0.93
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG23	3	0.93
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB1	5	0.93
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB2	5	0.93
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB3	5	0.93
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB1	5	0.93
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB2	5	0.93
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB3	5	0.93
(1,787)	1:50:A:VAL:HG11	1:140:A:TYR:HD1	3	0.93
(1,787)	1:50:A:VAL:HG12	1:140:A:TYR:HD1	3	0.93
(1,787)	1:50:A:VAL:HG13	1:140:A:TYR:HD1	3	0.93
(1,765)	1:28:A:LEU:HD11	1:24:A:LEU:HD21	8	0.93
(1,765)	1:28:A:LEU:HD11	1:24:A:LEU:HD22	8	0.93
(1,765)	1:28:A:LEU:HD11	1:24:A:LEU:HD23	8	0.93
(1,765)	1:28:A:LEU:HD12	1:24:A:LEU:HD21	8	0.93
(1,765)	1:28:A:LEU:HD12	1:24:A:LEU:HD22	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:28:A:LEU:HD12	1:24:A:LEU:HD23	8	0.93
(1,765)	1:28:A:LEU:HD13	1:24:A:LEU:HD21	8	0.93
(1,765)	1:28:A:LEU:HD13	1:24:A:LEU:HD22	8	0.93
(1,765)	1:28:A:LEU:HD13	1:24:A:LEU:HD23	8	0.93
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG11	3	0.93
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG12	3	0.93
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG13	3	0.93
(1,715)	1:38:A:ILE:HD11	1:90:A:ALA:H	5	0.93
(1,715)	1:38:A:ILE:HD12	1:90:A:ALA:H	5	0.93
(1,715)	1:38:A:ILE:HD13	1:90:A:ALA:H	5	0.93
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB1	5	0.92
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB2	5	0.92
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB3	5	0.92
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD11	1	0.92
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD12	1	0.92
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD13	1	0.92
(1,1165)	1:97:A:ILE:HD11	1:54:A:VAL:HB	1	0.92
(1,1165)	1:97:A:ILE:HD12	1:54:A:VAL:HB	1	0.92
(1,1165)	1:97:A:ILE:HD13	1:54:A:VAL:HB	1	0.92
(1,1030)	1:54:A:VAL:HB	1:97:A:ILE:HD11	1	0.92
(1,1030)	1:54:A:VAL:HB	1:97:A:ILE:HD12	1	0.92
(1,1030)	1:54:A:VAL:HB	1:97:A:ILE:HD13	1	0.92
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE1	7	0.92
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE2	7	0.92
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE3	7	0.92
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE1	7	0.92
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE2	7	0.92
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE3	7	0.92
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE1	7	0.92
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE2	7	0.92
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE3	7	0.92
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD11	1	0.91
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD12	1	0.91
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD13	1	0.91
(1,1119)	1:38:A:ILE:HG21	1:93:A:TYR:HD1	6	0.91
(1,1119)	1:38:A:ILE:HG22	1:93:A:TYR:HD1	6	0.91
(1,1119)	1:38:A:ILE:HG23	1:93:A:TYR:HD1	6	0.91
(1,1069)	1:50:A:VAL:HG11	1:140:A:TYR:HE1	3	0.91
(1,1069)	1:50:A:VAL:HG12	1:140:A:TYR:HE1	3	0.91
(1,1069)	1:50:A:VAL:HG13	1:140:A:TYR:HE1	3	0.91
(1,1058)	1:45:A:ASP:HA	1:48:A:VAL:HB	5	0.91
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE1	8	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE2	8	0.91
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE3	8	0.91
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE1	8	0.91
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE2	8	0.91
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE3	8	0.91
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG21	6	0.91
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG22	6	0.91
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG23	6	0.91
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG21	8	0.91
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG22	8	0.91
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG23	8	0.91
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG21	8	0.91
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG22	8	0.91
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG23	8	0.91
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG21	8	0.91
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG22	8	0.91
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG23	8	0.91
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG11	3	0.91
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG12	3	0.91
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG13	3	0.91
(1,741)	1:130:A:THR:HG21	1:134:A:TYR:HD1	1	0.91
(1,741)	1:130:A:THR:HG22	1:134:A:TYR:HD1	1	0.91
(1,741)	1:130:A:THR:HG23	1:134:A:TYR:HD1	1	0.91
(1,729)	1:116:A:ALA:HB1	1:21:A:ALA:H	1	0.91
(1,729)	1:116:A:ALA:HB2	1:21:A:ALA:H	1	0.91
(1,729)	1:116:A:ALA:HB3	1:21:A:ALA:H	1	0.91
(1,709)	1:97:A:ILE:HG21	1:55:A:ALA:H	4	0.91
(1,709)	1:97:A:ILE:HG22	1:55:A:ALA:H	4	0.91
(1,709)	1:97:A:ILE:HG23	1:55:A:ALA:H	4	0.91
(1,695)	1:100:A:ALA:HB1	1:79:A:TYR:H	3	0.91
(1,695)	1:100:A:ALA:HB2	1:79:A:TYR:H	3	0.91
(1,695)	1:100:A:ALA:HB3	1:79:A:TYR:H	3	0.91
(1,666)	1:83:A:LEU:HB3	1:87:A:ILE:H	6	0.91
(1,604)	1:46:A:GLN:HB2	1:43:A:SER:H	1	0.91
(1,604)	1:46:A:GLN:HB3	1:43:A:SER:H	1	0.91
(1,510)	1:48:A:VAL:HG11	1:47:A:ALA:H	9	0.91
(1,510)	1:48:A:VAL:HG12	1:47:A:ALA:H	9	0.91
(1,510)	1:48:A:VAL:HG13	1:47:A:ALA:H	9	0.91
(1,233)	1:29:A:LEU:HG	1:29:A:LEU:H	7	0.91
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD11	1	0.9
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD12	1	0.9
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD13	1	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:68:A:ALA:HB1	1:72:A:LEU:HA	9	0.9
(1,1014)	1:68:A:ALA:HB2	1:72:A:LEU:HA	9	0.9
(1,1014)	1:68:A:ALA:HB3	1:72:A:LEU:HA	9	0.9
(1,867)	1:87:A:ILE:HG21	1:83:A:LEU:HB2	3	0.9
(1,867)	1:87:A:ILE:HG22	1:83:A:LEU:HB2	3	0.9
(1,867)	1:87:A:ILE:HG23	1:83:A:LEU:HB2	3	0.9
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG21	6	0.9
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG22	6	0.9
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG23	6	0.9
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG11	3	0.9
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG12	3	0.9
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG13	3	0.9
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG11	3	0.9
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG12	3	0.9
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG13	3	0.9
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG11	3	0.9
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG12	3	0.9
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG13	3	0.9
(1,687)	1:139:A:PHE:HZ	1:131:A:LEU:H	8	0.9
(1,672)	1:24:A:LEU:HB3	1:28:A:LEU:H	4	0.9
(1,651)	1:48:A:VAL:HG11	1:52:A:THR:H	4	0.9
(1,651)	1:48:A:VAL:HG12	1:52:A:THR:H	4	0.9
(1,651)	1:48:A:VAL:HG13	1:52:A:THR:H	4	0.9
(1,639)	1:97:A:ILE:HD11	1:100:A:ALA:H	5	0.9
(1,639)	1:97:A:ILE:HD12	1:100:A:ALA:H	5	0.9
(1,639)	1:97:A:ILE:HD13	1:100:A:ALA:H	5	0.9
(1,639)	1:97:A:ILE:HD11	1:100:A:ALA:H	10	0.9
(1,639)	1:97:A:ILE:HD12	1:100:A:ALA:H	10	0.9
(1,639)	1:97:A:ILE:HD13	1:100:A:ALA:H	10	0.9
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD11	4	0.89
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD12	4	0.89
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD13	4	0.89
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD11	5	0.89
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD12	5	0.89
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD13	5	0.89
(1,1152)	1:35:A:VAL:HG21	1:36:A:GLN:HG2	1	0.89
(1,1152)	1:35:A:VAL:HG21	1:36:A:GLN:HG3	1	0.89
(1,1152)	1:35:A:VAL:HG22	1:36:A:GLN:HG2	1	0.89
(1,1152)	1:35:A:VAL:HG22	1:36:A:GLN:HG3	1	0.89
(1,1152)	1:35:A:VAL:HG23	1:36:A:GLN:HG2	1	0.89
(1,1152)	1:35:A:VAL:HG23	1:36:A:GLN:HG3	1	0.89
(1,1118)	1:54:A:VAL:HG11	1:34:A:PHE:HD1	7	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1118)	1:54:A:VAL:HG12	1:34:A:PHE:HD1	7	0.89
(1,1118)	1:54:A:VAL:HG13	1:34:A:PHE:HD1	7	0.89
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD11	6	0.89
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD12	6	0.89
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD13	6	0.89
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD11	6	0.89
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD12	6	0.89
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD13	6	0.89
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD11	6	0.89
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD12	6	0.89
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD13	6	0.89
(1,1043)	1:38:A:ILE:HG21	1:90:A:ALA:HA	3	0.89
(1,1043)	1:38:A:ILE:HG22	1:90:A:ALA:HA	3	0.89
(1,1043)	1:38:A:ILE:HG23	1:90:A:ALA:HA	3	0.89
(1,1043)	1:38:A:ILE:HG21	1:90:A:ALA:HA	9	0.89
(1,1043)	1:38:A:ILE:HG22	1:90:A:ALA:HA	9	0.89
(1,1043)	1:38:A:ILE:HG23	1:90:A:ALA:HA	9	0.89
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD11	6	0.89
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD12	6	0.89
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD13	6	0.89
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD11	6	0.89
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD12	6	0.89
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD13	6	0.89
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD11	6	0.89
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD12	6	0.89
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD13	6	0.89
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB1	6	0.89
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB2	6	0.89
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB3	6	0.89
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB1	6	0.89
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB2	6	0.89
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB3	6	0.89
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB1	6	0.89
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB2	6	0.89
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB3	6	0.89
(1,951)	1:132:A:THR:HG21	1:31:A:SER:HB3	10	0.89
(1,951)	1:132:A:THR:HG22	1:31:A:SER:HB3	10	0.89
(1,951)	1:132:A:THR:HG23	1:31:A:SER:HB3	10	0.89
(1,874)	1:130:A:THR:HG21	1:138:A:VAL:HG11	6	0.89
(1,874)	1:130:A:THR:HG21	1:138:A:VAL:HG12	6	0.89
(1,874)	1:130:A:THR:HG21	1:138:A:VAL:HG13	6	0.89
(1,874)	1:130:A:THR:HG22	1:138:A:VAL:HG11	6	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:130:A:THR:HG22	1:138:A:VAL:HG12	6	0.89
(1,874)	1:130:A:THR:HG22	1:138:A:VAL:HG13	6	0.89
(1,874)	1:130:A:THR:HG23	1:138:A:VAL:HG11	6	0.89
(1,874)	1:130:A:THR:HG23	1:138:A:VAL:HG12	6	0.89
(1,874)	1:130:A:THR:HG23	1:138:A:VAL:HG13	6	0.89
(1,678)	1:69:A:MET:HE1	1:64:A:LEU:H	2	0.89
(1,678)	1:69:A:MET:HE2	1:64:A:LEU:H	2	0.89
(1,678)	1:69:A:MET:HE3	1:64:A:LEU:H	2	0.89
(1,1125)	1:130:A:THR:HG21	1:139:A:PHE:HZ	7	0.88
(1,1125)	1:130:A:THR:HG22	1:139:A:PHE:HZ	7	0.88
(1,1125)	1:130:A:THR:HG23	1:139:A:PHE:HZ	7	0.88
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE1	2	0.88
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE2	2	0.88
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE3	2	0.88
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE1	2	0.88
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE2	2	0.88
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE3	2	0.88
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE1	2	0.88
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE2	2	0.88
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE3	2	0.88
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE1	1	0.88
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE2	1	0.88
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE3	1	0.88
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE1	1	0.88
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE2	1	0.88
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE3	1	0.88
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG21	2	0.88
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG22	2	0.88
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG23	2	0.88
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG21	2	0.88
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG22	2	0.88
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG23	2	0.88
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG21	2	0.88
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG22	2	0.88
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG23	2	0.88
(1,936)	1:64:A:LEU:HD21	1:68:A:ALA:HB1	6	0.88
(1,936)	1:64:A:LEU:HD21	1:68:A:ALA:HB2	6	0.88
(1,936)	1:64:A:LEU:HD21	1:68:A:ALA:HB3	6	0.88
(1,936)	1:64:A:LEU:HD22	1:68:A:ALA:HB1	6	0.88
(1,936)	1:64:A:LEU:HD22	1:68:A:ALA:HB2	6	0.88
(1,936)	1:64:A:LEU:HD22	1:68:A:ALA:HB3	6	0.88
(1,936)	1:64:A:LEU:HD23	1:68:A:ALA:HB1	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:64:A:LEU:HD23	1:68:A:ALA:HB2	6	0.88
(1,936)	1:64:A:LEU:HD23	1:68:A:ALA:HB3	6	0.88
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB1	2	0.88
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB2	2	0.88
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB3	2	0.88
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB1	2	0.88
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB2	2	0.88
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB3	2	0.88
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB1	2	0.88
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB2	2	0.88
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB3	2	0.88
(1,828)	1:139:A:PHE:HZ	1:130:A:THR:HG21	7	0.88
(1,828)	1:139:A:PHE:HZ	1:130:A:THR:HG22	7	0.88
(1,828)	1:139:A:PHE:HZ	1:130:A:THR:HG23	7	0.88
(1,820)	1:68:A:ALA:HB1	1:64:A:LEU:HD21	6	0.88
(1,820)	1:68:A:ALA:HB1	1:64:A:LEU:HD22	6	0.88
(1,820)	1:68:A:ALA:HB1	1:64:A:LEU:HD23	6	0.88
(1,820)	1:68:A:ALA:HB2	1:64:A:LEU:HD21	6	0.88
(1,820)	1:68:A:ALA:HB2	1:64:A:LEU:HD22	6	0.88
(1,820)	1:68:A:ALA:HB2	1:64:A:LEU:HD23	6	0.88
(1,820)	1:68:A:ALA:HB3	1:64:A:LEU:HD21	6	0.88
(1,820)	1:68:A:ALA:HB3	1:64:A:LEU:HD22	6	0.88
(1,820)	1:68:A:ALA:HB3	1:64:A:LEU:HD23	6	0.88
(1,687)	1:139:A:PHE:HZ	1:131:A:LEU:H	4	0.88
(1,685)	1:111:A:ILE:HD11	1:105:A:LEU:H	8	0.88
(1,685)	1:111:A:ILE:HD12	1:105:A:LEU:H	8	0.88
(1,685)	1:111:A:ILE:HD13	1:105:A:LEU:H	8	0.88
(1,675)	1:101:A:ILE:HG21	1:105:A:LEU:H	2	0.88
(1,675)	1:101:A:ILE:HG22	1:105:A:LEU:H	2	0.88
(1,675)	1:101:A:ILE:HG23	1:105:A:LEU:H	2	0.88
(1,323)	1:130:A:THR:HB	1:131:A:LEU:H	5	0.88
(1,163)	1:73:A:LEU:HG	1:73:A:LEU:H	2	0.88
(1,138)	1:105:A:LEU:HG	1:105:A:LEU:H	9	0.88
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD11	4	0.87
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD12	4	0.87
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD13	4	0.87
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD11	4	0.87
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD12	4	0.87
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD13	4	0.87
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD11	4	0.87
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD12	4	0.87
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD13	4	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1049)	1:50:A:VAL:HG21	1:38:A:ILE:HD11	5	0.87
(1,1049)	1:50:A:VAL:HG21	1:38:A:ILE:HD12	5	0.87
(1,1049)	1:50:A:VAL:HG21	1:38:A:ILE:HD13	5	0.87
(1,1049)	1:50:A:VAL:HG22	1:38:A:ILE:HD11	5	0.87
(1,1049)	1:50:A:VAL:HG22	1:38:A:ILE:HD12	5	0.87
(1,1049)	1:50:A:VAL:HG22	1:38:A:ILE:HD13	5	0.87
(1,1049)	1:50:A:VAL:HG23	1:38:A:ILE:HD11	5	0.87
(1,1049)	1:50:A:VAL:HG23	1:38:A:ILE:HD12	5	0.87
(1,1049)	1:50:A:VAL:HG23	1:38:A:ILE:HD13	5	0.87
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB1	4	0.87
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB2	4	0.87
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB3	4	0.87
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB1	4	0.87
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB2	4	0.87
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB3	4	0.87
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB1	1	0.87
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB2	1	0.87
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB3	1	0.87
(1,856)	1:38:A:ILE:HD11	1:50:A:VAL:HG21	5	0.87
(1,856)	1:38:A:ILE:HD11	1:50:A:VAL:HG22	5	0.87
(1,856)	1:38:A:ILE:HD11	1:50:A:VAL:HG23	5	0.87
(1,856)	1:38:A:ILE:HD12	1:50:A:VAL:HG21	5	0.87
(1,856)	1:38:A:ILE:HD12	1:50:A:VAL:HG22	5	0.87
(1,856)	1:38:A:ILE:HD12	1:50:A:VAL:HG23	5	0.87
(1,856)	1:38:A:ILE:HD13	1:50:A:VAL:HG21	5	0.87
(1,856)	1:38:A:ILE:HD13	1:50:A:VAL:HG22	5	0.87
(1,856)	1:38:A:ILE:HD13	1:50:A:VAL:HG23	5	0.87
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG11	6	0.87
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG12	6	0.87
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG13	6	0.87
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG11	6	0.87
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG12	6	0.87
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG13	6	0.87
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG11	6	0.87
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG12	6	0.87
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG13	6	0.87
(1,726)	1:111:A:ILE:HD11	1:21:A:ALA:H	4	0.87
(1,726)	1:111:A:ILE:HD12	1:21:A:ALA:H	4	0.87
(1,726)	1:111:A:ILE:HD13	1:21:A:ALA:H	4	0.87
(1,529)	1:97:A:ILE:HG21	1:96:A:ALA:H	1	0.87
(1,529)	1:97:A:ILE:HG22	1:96:A:ALA:H	1	0.87
(1,529)	1:97:A:ILE:HG23	1:96:A:ALA:H	1	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:80:A:VAL:HG11	1:79:A:TYR:HD1	1	0.86
(1,1170)	1:80:A:VAL:HG12	1:79:A:TYR:HD1	1	0.86
(1,1170)	1:80:A:VAL:HG13	1:79:A:TYR:HD1	1	0.86
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD11	7	0.86
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD12	7	0.86
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD13	7	0.86
(1,1077)	1:38:A:ILE:HD11	1:93:A:TYR:HE1	7	0.86
(1,1077)	1:38:A:ILE:HD12	1:93:A:TYR:HE1	7	0.86
(1,1077)	1:38:A:ILE:HD13	1:93:A:TYR:HE1	7	0.86
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB1	2	0.86
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB2	2	0.86
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB3	2	0.86
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG21	2	0.86
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG22	2	0.86
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG23	2	0.86
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG21	2	0.86
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG22	2	0.86
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG23	2	0.86
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG21	2	0.86
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG22	2	0.86
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG23	2	0.86
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG21	7	0.86
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG22	7	0.86
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG23	7	0.86
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG21	7	0.86
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG22	7	0.86
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG23	7	0.86
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG21	7	0.86
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG22	7	0.86
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG23	7	0.86
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD11	10	0.86
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD12	10	0.86
(1,851)	1:38:A:ILE:HG21	1:83:A:LEU:HD13	10	0.86
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD11	10	0.86
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD12	10	0.86
(1,851)	1:38:A:ILE:HG22	1:83:A:LEU:HD13	10	0.86
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD11	10	0.86
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD12	10	0.86
(1,851)	1:38:A:ILE:HG23	1:83:A:LEU:HD13	10	0.86
(1,734)	1:120:A:ALA:HB1	1:23:A:SER:H	6	0.86
(1,734)	1:120:A:ALA:HB2	1:23:A:SER:H	6	0.86
(1,734)	1:120:A:ALA:HB3	1:23:A:SER:H	6	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:29:A:LEU:HG	1:29:A:LEU:H	6	0.86
(1,1132)	1:127:A:VAL:HA	1:139:A:PHE:HD1	4	0.85
(1,1064)	1:51:A:ALA:HA	1:54:A:VAL:HB	8	0.85
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD11	3	0.85
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD12	3	0.85
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD13	3	0.85
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD11	3	0.85
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD12	3	0.85
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD13	3	0.85
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD11	3	0.85
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD12	3	0.85
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD13	3	0.85
(1,1014)	1:68:A:ALA:HB1	1:72:A:LEU:HA	6	0.85
(1,1014)	1:68:A:ALA:HB2	1:72:A:LEU:HA	6	0.85
(1,1014)	1:68:A:ALA:HB3	1:72:A:LEU:HA	6	0.85
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE1	2	0.85
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE2	2	0.85
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE3	2	0.85
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE1	2	0.85
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE2	2	0.85
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE3	2	0.85
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG21	9	0.85
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG22	9	0.85
(1,852)	1:125:A:SER:HA	1:129:A:THR:HG23	9	0.85
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG11	8	0.85
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG12	8	0.85
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG13	8	0.85
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG11	8	0.85
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG12	8	0.85
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG13	8	0.85
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG11	8	0.85
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG12	8	0.85
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG13	8	0.85
(1,732)	1:116:A:ALA:HB1	1:20:A:PHE:H	1	0.85
(1,732)	1:116:A:ALA:HB2	1:20:A:PHE:H	1	0.85
(1,732)	1:116:A:ALA:HB3	1:20:A:PHE:H	1	0.85
(1,732)	1:116:A:ALA:HB1	1:20:A:PHE:H	8	0.85
(1,732)	1:116:A:ALA:HB2	1:20:A:PHE:H	8	0.85
(1,732)	1:116:A:ALA:HB3	1:20:A:PHE:H	8	0.85
(1,641)	1:138:A:VAL:HA	1:141:A:ALA:H	5	0.85
(1,506)	1:35:A:VAL:HG21	1:34:A:PHE:H	1	0.85
(1,506)	1:35:A:VAL:HG22	1:34:A:PHE:H	1	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:35:A:VAL:HG23	1:34:A:PHE:H	1	0.85
(1,138)	1:105:A:LEU:HG	1:105:A:LEU:H	6	0.85
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG21	4	0.84
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG22	4	0.84
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG23	4	0.84
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG21	4	0.84
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG22	4	0.84
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG23	4	0.84
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG21	4	0.84
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG22	4	0.84
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG23	4	0.84
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD11	4	0.84
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD12	4	0.84
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD13	4	0.84
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD11	4	0.84
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD12	4	0.84
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD13	4	0.84
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD11	4	0.84
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD12	4	0.84
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD13	4	0.84
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG21	7	0.84
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG22	7	0.84
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG23	7	0.84
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG21	1	0.84
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG22	1	0.84
(1,837)	1:62:A:LEU:HD11	1:58:A:VAL:HG23	1	0.84
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG21	1	0.84
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG22	1	0.84
(1,837)	1:62:A:LEU:HD12	1:58:A:VAL:HG23	1	0.84
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG21	1	0.84
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG22	1	0.84
(1,837)	1:62:A:LEU:HD13	1:58:A:VAL:HG23	1	0.84
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD11	6	0.84
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD12	6	0.84
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD13	6	0.84
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD11	6	0.84
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD12	6	0.84
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD13	6	0.84
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD11	6	0.84
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD12	6	0.84
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD13	6	0.84
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG11	9	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG12	9	0.84
(1,746)	1:81:A:SER:HA	1:48:A:VAL:HG13	9	0.84
(1,233)	1:29:A:LEU:HG	1:29:A:LEU:H	3	0.84
(1,206)	1:76:A:VAL:HB	1:76:A:VAL:H	5	0.84
(1,206)	1:76:A:VAL:HB	1:76:A:VAL:H	10	0.84
(1,121)	1:58:A:VAL:HB	1:58:A:VAL:H	3	0.84
(1,1076)	1:97:A:ILE:HD11	1:93:A:TYR:HE1	7	0.83
(1,1076)	1:97:A:ILE:HD12	1:93:A:TYR:HE1	7	0.83
(1,1076)	1:97:A:ILE:HD13	1:93:A:TYR:HE1	7	0.83
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD11	8	0.83
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD12	8	0.83
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD13	8	0.83
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD11	8	0.83
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD12	8	0.83
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD13	8	0.83
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD11	8	0.83
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD12	8	0.83
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD13	8	0.83
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD11	7	0.83
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD12	7	0.83
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD13	7	0.83
(1,1014)	1:68:A:ALA:HB1	1:72:A:LEU:HA	1	0.83
(1,1014)	1:68:A:ALA:HB2	1:72:A:LEU:HA	1	0.83
(1,1014)	1:68:A:ALA:HB3	1:72:A:LEU:HA	1	0.83
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB1	8	0.83
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB2	8	0.83
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB3	8	0.83
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB1	8	0.83
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB2	8	0.83
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB3	8	0.83
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB1	8	0.83
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB2	8	0.83
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB3	8	0.83
(1,713)	1:97:A:ILE:HD11	1:51:A:ALA:H	3	0.83
(1,713)	1:97:A:ILE:HD12	1:51:A:ALA:H	3	0.83
(1,713)	1:97:A:ILE:HD13	1:51:A:ALA:H	3	0.83
(1,678)	1:69:A:MET:HE1	1:64:A:LEU:H	5	0.83
(1,678)	1:69:A:MET:HE2	1:64:A:LEU:H	5	0.83
(1,678)	1:69:A:MET:HE3	1:64:A:LEU:H	5	0.83
(1,651)	1:48:A:VAL:HG11	1:52:A:THR:H	7	0.83
(1,651)	1:48:A:VAL:HG12	1:52:A:THR:H	7	0.83
(1,651)	1:48:A:VAL:HG13	1:52:A:THR:H	7	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:29:A:LEU:HG	1:29:A:LEU:H	8	0.83
(1,138)	1:105:A:LEU:HG	1:105:A:LEU:H	3	0.83
(1,121)	1:58:A:VAL:HB	1:58:A:VAL:H	5	0.83
(1,121)	1:58:A:VAL:HB	1:58:A:VAL:H	6	0.83
(1,121)	1:58:A:VAL:HB	1:58:A:VAL:H	8	0.83
(1,1197)	1:34:A:PHE:HD1	1:131:A:LEU:HD21	9	0.82
(1,1197)	1:34:A:PHE:HD1	1:131:A:LEU:HD22	9	0.82
(1,1197)	1:34:A:PHE:HD1	1:131:A:LEU:HD23	9	0.82
(1,1074)	1:47:A:ALA:HB1	1:93:A:TYR:HE1	1	0.82
(1,1074)	1:47:A:ALA:HB2	1:93:A:TYR:HE1	1	0.82
(1,1074)	1:47:A:ALA:HB3	1:93:A:TYR:HE1	1	0.82
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD11	4	0.82
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD12	4	0.82
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD13	4	0.82
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD11	4	0.82
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD12	4	0.82
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD13	4	0.82
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD11	4	0.82
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD12	4	0.82
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD13	4	0.82
(1,951)	1:132:A:THR:HG21	1:31:A:SER:HB3	1	0.82
(1,951)	1:132:A:THR:HG22	1:31:A:SER:HB3	1	0.82
(1,951)	1:132:A:THR:HG23	1:31:A:SER:HB3	1	0.82
(1,951)	1:132:A:THR:HG21	1:31:A:SER:HB3	9	0.82
(1,951)	1:132:A:THR:HG22	1:31:A:SER:HB3	9	0.82
(1,951)	1:132:A:THR:HG23	1:31:A:SER:HB3	9	0.82
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB1	1	0.82
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB2	1	0.82
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB3	1	0.82
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD21	3	0.82
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD22	3	0.82
(1,877)	1:132:A:THR:HG21	1:28:A:LEU:HD23	3	0.82
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD21	3	0.82
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD22	3	0.82
(1,877)	1:132:A:THR:HG22	1:28:A:LEU:HD23	3	0.82
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD21	3	0.82
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD22	3	0.82
(1,877)	1:132:A:THR:HG23	1:28:A:LEU:HD23	3	0.82
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG21	10	0.82
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG22	10	0.82
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG23	10	0.82
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG21	10	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG22	10	0.82
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG23	10	0.82
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG21	10	0.82
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG22	10	0.82
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG23	10	0.82
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG21	3	0.82
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG22	3	0.82
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG23	3	0.82
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD11	1	0.82
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD12	1	0.82
(1,797)	1:111:A:ILE:CG2	1:105:A:LEU:HD13	1	0.82
(1,699)	1:76:A:VAL:HG21	1:100:A:ALA:H	3	0.82
(1,699)	1:76:A:VAL:HG22	1:100:A:ALA:H	3	0.82
(1,699)	1:76:A:VAL:HG23	1:100:A:ALA:H	3	0.82
(1,669)	1:127:A:VAL:HG21	1:131:A:LEU:H	7	0.82
(1,669)	1:127:A:VAL:HG22	1:131:A:LEU:H	7	0.82
(1,669)	1:127:A:VAL:HG23	1:131:A:LEU:H	7	0.82
(1,655)	1:44:A:THR:HA	1:48:A:VAL:H	6	0.82
(1,536)	1:116:A:ALA:HB1	1:115:A:THR:H	5	0.82
(1,536)	1:116:A:ALA:HB2	1:115:A:THR:H	5	0.82
(1,536)	1:116:A:ALA:HB3	1:115:A:THR:H	5	0.82
(1,233)	1:29:A:LEU:HG	1:29:A:LEU:H	2	0.82
(1,138)	1:105:A:LEU:HG	1:105:A:LEU:H	8	0.82
(1,1207)	1:131:A:LEU:HD11	1:139:A:PHE:HE1	6	0.81
(1,1207)	1:131:A:LEU:HD12	1:139:A:PHE:HE1	6	0.81
(1,1207)	1:131:A:LEU:HD13	1:139:A:PHE:HE1	6	0.81
(1,1207)	1:131:A:LEU:HD21	1:139:A:PHE:HE1	6	0.81
(1,1207)	1:131:A:LEU:HD22	1:139:A:PHE:HE1	6	0.81
(1,1207)	1:131:A:LEU:HD23	1:139:A:PHE:HE1	6	0.81
(1,1206)	1:37:A:MET:HE1	1:139:A:PHE:HD1	2	0.81
(1,1206)	1:37:A:MET:HE2	1:139:A:PHE:HD1	2	0.81
(1,1206)	1:37:A:MET:HE3	1:139:A:PHE:HD1	2	0.81
(1,1119)	1:38:A:ILE:HG21	1:93:A:TYR:HD1	7	0.81
(1,1119)	1:38:A:ILE:HG22	1:93:A:TYR:HD1	7	0.81
(1,1119)	1:38:A:ILE:HG23	1:93:A:TYR:HD1	7	0.81
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG21	7	0.81
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG22	7	0.81
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG23	7	0.81
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB1	7	0.81
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB2	7	0.81
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB3	7	0.81
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB1	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB2	7	0.81
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB3	7	0.81
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB1	7	0.81
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB2	7	0.81
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB3	7	0.81
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG11	2	0.8
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG12	2	0.8
(1,1205)	1:139:A:PHE:HD1	1:138:A:VAL:HG13	2	0.8
(1,1180)	1:41:A:THR:HG21	1:87:A:ILE:HB	10	0.8
(1,1180)	1:41:A:THR:HG22	1:87:A:ILE:HB	10	0.8
(1,1180)	1:41:A:THR:HG23	1:87:A:ILE:HB	10	0.8
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD11	7	0.8
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD12	7	0.8
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD13	7	0.8
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD11	7	0.8
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD12	7	0.8
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD13	7	0.8
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD11	7	0.8
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD12	7	0.8
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD13	7	0.8
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE1	4	0.8
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE2	4	0.8
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE3	4	0.8
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE1	4	0.8
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE2	4	0.8
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE3	4	0.8
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE1	4	0.8
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE2	4	0.8
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE3	4	0.8
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB1	1	0.8
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB2	1	0.8
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB3	1	0.8
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB1	1	0.8
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB2	1	0.8
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB3	1	0.8
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG21	7	0.8
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG22	7	0.8
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG23	7	0.8
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG21	7	0.8
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG22	7	0.8
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG23	7	0.8
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG21	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG22	7	0.8
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG23	7	0.8
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG21	10	0.8
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG22	10	0.8
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG23	10	0.8
(1,731)	1:124:A:ALA:HB1	1:28:A:LEU:H	2	0.8
(1,731)	1:124:A:ALA:HB2	1:28:A:LEU:H	2	0.8
(1,731)	1:124:A:ALA:HB3	1:28:A:LEU:H	2	0.8
(1,708)	1:87:A:ILE:HD11	1:47:A:ALA:H	9	0.8
(1,708)	1:87:A:ILE:HD12	1:47:A:ALA:H	9	0.8
(1,708)	1:87:A:ILE:HD13	1:47:A:ALA:H	9	0.8
(1,75)	1:83:A:LEU:HG	1:83:A:LEU:H	6	0.8
(1,1127)	1:137:A:ALA:HB1	1:140:A:TYR:HD1	2	0.79
(1,1127)	1:137:A:ALA:HB2	1:140:A:TYR:HD1	2	0.79
(1,1127)	1:137:A:ALA:HB3	1:140:A:TYR:HD1	2	0.79
(1,1119)	1:38:A:ILE:HG21	1:93:A:TYR:HD1	2	0.79
(1,1119)	1:38:A:ILE:HG22	1:93:A:TYR:HD1	2	0.79
(1,1119)	1:38:A:ILE:HG23	1:93:A:TYR:HD1	2	0.79
(1,1118)	1:54:A:VAL:HG11	1:34:A:PHE:HD1	2	0.79
(1,1118)	1:54:A:VAL:HG12	1:34:A:PHE:HD1	2	0.79
(1,1118)	1:54:A:VAL:HG13	1:34:A:PHE:HD1	2	0.79
(1,1064)	1:51:A:ALA:HA	1:54:A:VAL:HB	10	0.79
(1,1014)	1:68:A:ALA:HB1	1:72:A:LEU:HA	7	0.79
(1,1014)	1:68:A:ALA:HB2	1:72:A:LEU:HA	7	0.79
(1,1014)	1:68:A:ALA:HB3	1:72:A:LEU:HA	7	0.79
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE1	7	0.79
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE2	7	0.79
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE3	7	0.79
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE1	7	0.79
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE2	7	0.79
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE3	7	0.79
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE1	7	0.79
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE2	7	0.79
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE3	7	0.79
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG21	2	0.79
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG22	2	0.79
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG23	2	0.79
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB1	2	0.79
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB2	2	0.79
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB3	2	0.79
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG21	4	0.79
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG22	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG23	4	0.79
(1,801)	1:119:A:ALA:HB1	1:20:A:PHE:HD1	2	0.79
(1,801)	1:119:A:ALA:HB2	1:20:A:PHE:HD1	2	0.79
(1,801)	1:119:A:ALA:HB3	1:20:A:PHE:HD1	2	0.79
(1,784)	1:96:A:ALA:HB1	1:79:A:TYR:HD1	8	0.79
(1,784)	1:96:A:ALA:HB2	1:79:A:TYR:HD1	8	0.79
(1,784)	1:96:A:ALA:HB3	1:79:A:TYR:HD1	8	0.79
(1,727)	1:111:A:ILE:HD11	1:20:A:PHE:H	9	0.79
(1,727)	1:111:A:ILE:HD12	1:20:A:PHE:H	9	0.79
(1,727)	1:111:A:ILE:HD13	1:20:A:PHE:H	9	0.79
(1,676)	1:116:A:ALA:HB1	1:120:A:ALA:H	9	0.79
(1,676)	1:116:A:ALA:HB2	1:120:A:ALA:H	9	0.79
(1,676)	1:116:A:ALA:HB3	1:120:A:ALA:H	9	0.79
(1,655)	1:44:A:THR:HA	1:48:A:VAL:H	8	0.79
(1,552)	1:44:A:THR:HB	1:46:A:GLN:H	7	0.79
(1,151)	1:64:A:LEU:HG	1:64:A:LEU:H	7	0.79
(1,1181)	1:97:A:ILE:HD11	1:93:A:TYR:HD1	4	0.78
(1,1181)	1:97:A:ILE:HD12	1:93:A:TYR:HD1	4	0.78
(1,1181)	1:97:A:ILE:HD13	1:93:A:TYR:HD1	4	0.78
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB2	1	0.78
(1,1163)	1:140:A:TYR:HD1	1:46:A:GLN:HB3	1	0.78
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD11	5	0.78
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD12	5	0.78
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD13	5	0.78
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD11	5	0.78
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD12	5	0.78
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD13	5	0.78
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD11	5	0.78
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD12	5	0.78
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD13	5	0.78
(1,1058)	1:45:A:ASP:HA	1:48:A:VAL:HB	9	0.78
(1,1043)	1:38:A:ILE:HG21	1:90:A:ALA:HA	6	0.78
(1,1043)	1:38:A:ILE:HG22	1:90:A:ALA:HA	6	0.78
(1,1043)	1:38:A:ILE:HG23	1:90:A:ALA:HA	6	0.78
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE1	5	0.78
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE2	5	0.78
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE3	5	0.78
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE1	5	0.78
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE2	5	0.78
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE3	5	0.78
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE1	5	0.78
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE2	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE3	5	0.78
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE1	10	0.78
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE2	10	0.78
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE3	10	0.78
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB1	9	0.78
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB2	9	0.78
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB3	9	0.78
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB1	9	0.78
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB2	9	0.78
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB3	9	0.78
(1,848)	1:47:A:ALA:HA	1:41:A:THR:HG21	6	0.78
(1,848)	1:47:A:ALA:HA	1:41:A:THR:HG22	6	0.78
(1,848)	1:47:A:ALA:HA	1:41:A:THR:HG23	6	0.78
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG11	5	0.78
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG12	5	0.78
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG13	5	0.78
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG11	5	0.78
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG12	5	0.78
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG13	5	0.78
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG11	5	0.78
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG12	5	0.78
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG13	5	0.78
(1,737)	1:132:A:THR:HG21	1:34:A:PHE:H	5	0.78
(1,737)	1:132:A:THR:HG22	1:34:A:PHE:H	5	0.78
(1,737)	1:132:A:THR:HG23	1:34:A:PHE:H	5	0.78
(1,664)	1:71:A:SER:HA	1:75:A:ALA:H	2	0.78
(1,651)	1:48:A:VAL:HG11	1:52:A:THR:H	10	0.78
(1,651)	1:48:A:VAL:HG12	1:52:A:THR:H	10	0.78
(1,651)	1:48:A:VAL:HG13	1:52:A:THR:H	10	0.78
(1,552)	1:44:A:THR:HB	1:46:A:GLN:H	3	0.78
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD11	7	0.77
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD12	7	0.77
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD13	7	0.77
(1,1181)	1:97:A:ILE:HD11	1:93:A:TYR:HD1	2	0.77
(1,1181)	1:97:A:ILE:HD12	1:93:A:TYR:HD1	2	0.77
(1,1181)	1:97:A:ILE:HD13	1:93:A:TYR:HD1	2	0.77
(1,1118)	1:54:A:VAL:HG11	1:34:A:PHE:HD1	5	0.77
(1,1118)	1:54:A:VAL:HG12	1:34:A:PHE:HD1	5	0.77
(1,1118)	1:54:A:VAL:HG13	1:34:A:PHE:HD1	5	0.77
(1,991)	1:62:A:LEU:HD11	1:111:A:ILE:CG2	4	0.77
(1,991)	1:62:A:LEU:HD12	1:111:A:ILE:CG2	4	0.77
(1,991)	1:62:A:LEU:HD13	1:111:A:ILE:CG2	4	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG21	10	0.77
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG22	10	0.77
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG23	10	0.77
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG21	10	0.77
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG22	10	0.77
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG23	10	0.77
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG21	10	0.77
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG22	10	0.77
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG23	10	0.77
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG21	2	0.77
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG22	2	0.77
(1,947)	1:105:A:LEU:HG	1:101:A:ILE:HG23	2	0.77
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG11	10	0.77
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG12	10	0.77
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG13	10	0.77
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG11	10	0.77
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG12	10	0.77
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG13	10	0.77
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG11	10	0.77
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG12	10	0.77
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG13	10	0.77
(1,703)	1:72:A:LEU:HD21	1:104:A:VAL:H	7	0.77
(1,703)	1:72:A:LEU:HD22	1:104:A:VAL:H	7	0.77
(1,703)	1:72:A:LEU:HD23	1:104:A:VAL:H	7	0.77
(1,690)	1:72:A:LEU:HD11	1:59:A:GLY:H	5	0.77
(1,690)	1:72:A:LEU:HD12	1:59:A:GLY:H	5	0.77
(1,690)	1:72:A:LEU:HD13	1:59:A:GLY:H	5	0.77
(1,347)	1:64:A:LEU:HA	1:65:A:ASP:H	2	0.77
(1,233)	1:29:A:LEU:HG	1:29:A:LEU:H	1	0.77
(1,211)	1:62:A:LEU:HG	1:62:A:LEU:H	6	0.77
(1,211)	1:62:A:LEU:HG	1:62:A:LEU:H	7	0.77
(1,211)	1:62:A:LEU:HG	1:62:A:LEU:H	8	0.77
(1,138)	1:105:A:LEU:HG	1:105:A:LEU:H	1	0.77
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD11	8	0.76
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD12	8	0.76
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD13	8	0.76
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD11	1	0.76
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD12	1	0.76
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD13	1	0.76
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD11	1	0.76
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD12	1	0.76
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD13	1	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD11	1	0.76
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD12	1	0.76
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD13	1	0.76
(1,1137)	1:111:A:ILE:HD11	1:20:A:PHE:HD1	7	0.76
(1,1137)	1:111:A:ILE:HD12	1:20:A:PHE:HD1	7	0.76
(1,1137)	1:111:A:ILE:HD13	1:20:A:PHE:HD1	7	0.76
(1,1117)	1:28:A:LEU:HD21	1:34:A:PHE:HD1	2	0.76
(1,1117)	1:28:A:LEU:HD22	1:34:A:PHE:HD1	2	0.76
(1,1117)	1:28:A:LEU:HD23	1:34:A:PHE:HD1	2	0.76
(1,1077)	1:38:A:ILE:HD11	1:93:A:TYR:HE1	8	0.76
(1,1077)	1:38:A:ILE:HD12	1:93:A:TYR:HE1	8	0.76
(1,1077)	1:38:A:ILE:HD13	1:93:A:TYR:HE1	8	0.76
(1,1064)	1:51:A:ALA:HA	1:54:A:VAL:HB	5	0.76
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD11	4	0.76
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD12	4	0.76
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD13	4	0.76
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD11	4	0.76
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD12	4	0.76
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD13	4	0.76
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD11	4	0.76
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD12	4	0.76
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD13	4	0.76
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD11	8	0.76
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD12	8	0.76
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD13	8	0.76
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD11	8	0.76
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD12	8	0.76
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD13	8	0.76
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD11	8	0.76
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD12	8	0.76
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD13	8	0.76
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD11	7	0.76
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD12	7	0.76
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD13	7	0.76
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB1	1	0.76
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB2	1	0.76
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB3	1	0.76
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB1	1	0.76
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB2	1	0.76
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB3	1	0.76
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB1	1	0.76
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB2	1	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB3	1	0.76
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB1	4	0.76
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB2	4	0.76
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB3	4	0.76
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB1	4	0.76
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB2	4	0.76
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB3	4	0.76
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB1	4	0.76
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB2	4	0.76
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB3	4	0.76
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB1	8	0.76
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB2	8	0.76
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB3	8	0.76
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB1	8	0.76
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB2	8	0.76
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB3	8	0.76
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB1	8	0.76
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB2	8	0.76
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB3	8	0.76
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB1	5	0.76
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB2	5	0.76
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB3	5	0.76
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB1	9	0.76
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB2	9	0.76
(1,886)	1:20:A:PHE:HA	1:116:A:ALA:HB3	9	0.76
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG21	5	0.76
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG22	5	0.76
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG23	5	0.76
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG21	5	0.76
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG22	5	0.76
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG23	5	0.76
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG21	5	0.76
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG22	5	0.76
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG23	5	0.76
(1,680)	1:64:A:LEU:HD11	1:69:A:MET:H	6	0.76
(1,680)	1:64:A:LEU:HD12	1:69:A:MET:H	6	0.76
(1,680)	1:64:A:LEU:HD13	1:69:A:MET:H	6	0.76
(1,680)	1:64:A:LEU:HD21	1:69:A:MET:H	6	0.76
(1,680)	1:64:A:LEU:HD22	1:69:A:MET:H	6	0.76
(1,680)	1:64:A:LEU:HD23	1:69:A:MET:H	6	0.76
(1,672)	1:24:A:LEU:HB3	1:28:A:LEU:H	5	0.76
(1,669)	1:127:A:VAL:HG21	1:131:A:LEU:H	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:127:A:VAL:HG22	1:131:A:LEU:H	2	0.76
(1,669)	1:127:A:VAL:HG23	1:131:A:LEU:H	2	0.76
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB1	2	0.75
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB2	2	0.75
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB3	2	0.75
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG21	10	0.75
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG22	10	0.75
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG23	10	0.75
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG21	10	0.75
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG22	10	0.75
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG23	10	0.75
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG21	10	0.75
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG22	10	0.75
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG23	10	0.75
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD11	3	0.75
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD12	3	0.75
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD13	3	0.75
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD11	10	0.75
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD12	10	0.75
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD13	10	0.75
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD11	10	0.75
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD12	10	0.75
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD13	10	0.75
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD11	10	0.75
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD12	10	0.75
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD13	10	0.75
(1,1118)	1:54:A:VAL:HG11	1:34:A:PHE:HD1	3	0.75
(1,1118)	1:54:A:VAL:HG12	1:34:A:PHE:HD1	3	0.75
(1,1118)	1:54:A:VAL:HG13	1:34:A:PHE:HD1	3	0.75
(1,1058)	1:45:A:ASP:HA	1:48:A:VAL:HB	1	0.75
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB1	8	0.75
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB2	8	0.75
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB3	8	0.75
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB1	8	0.75
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB2	8	0.75
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB3	8	0.75
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB1	8	0.75
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB2	8	0.75
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB3	8	0.75
(1,874)	1:130:A:THR:HG21	1:138:A:VAL:HG11	8	0.75
(1,874)	1:130:A:THR:HG21	1:138:A:VAL:HG12	8	0.75
(1,874)	1:130:A:THR:HG21	1:138:A:VAL:HG13	8	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:130:A:THR:HG22	1:138:A:VAL:HG11	8	0.75
(1,874)	1:130:A:THR:HG22	1:138:A:VAL:HG12	8	0.75
(1,874)	1:130:A:THR:HG22	1:138:A:VAL:HG13	8	0.75
(1,874)	1:130:A:THR:HG23	1:138:A:VAL:HG11	8	0.75
(1,874)	1:130:A:THR:HG23	1:138:A:VAL:HG12	8	0.75
(1,874)	1:130:A:THR:HG23	1:138:A:VAL:HG13	8	0.75
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG11	6	0.75
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG12	6	0.75
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG13	6	0.75
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG11	6	0.75
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG12	6	0.75
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG13	6	0.75
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG11	6	0.75
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG12	6	0.75
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG13	6	0.75
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG11	10	0.75
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG12	10	0.75
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG13	10	0.75
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG11	10	0.75
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG12	10	0.75
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG13	10	0.75
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG11	10	0.75
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG12	10	0.75
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG13	10	0.75
(1,710)	1:101:A:ILE:HD11	1:58:A:VAL:H	1	0.75
(1,710)	1:101:A:ILE:HD12	1:58:A:VAL:H	1	0.75
(1,710)	1:101:A:ILE:HD13	1:58:A:VAL:H	1	0.75
(1,67)	1:28:A:LEU:HG	1:28:A:LEU:H	9	0.75
(1,1180)	1:41:A:THR:HG21	1:87:A:ILE:HB	1	0.74
(1,1180)	1:41:A:THR:HG22	1:87:A:ILE:HB	1	0.74
(1,1180)	1:41:A:THR:HG23	1:87:A:ILE:HB	1	0.74
(1,1180)	1:41:A:THR:HG21	1:87:A:ILE:HB	9	0.74
(1,1180)	1:41:A:THR:HG22	1:87:A:ILE:HB	9	0.74
(1,1180)	1:41:A:THR:HG23	1:87:A:ILE:HB	9	0.74
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG2	1	0.74
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG3	1	0.74
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB1	10	0.74
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB2	10	0.74
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB3	10	0.74
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB1	10	0.74
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB2	10	0.74
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB3	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB1	10	0.74
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB2	10	0.74
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB3	10	0.74
(1,1123)	1:50:A:VAL:HG21	1:139:A:PHE:HD1	2	0.74
(1,1123)	1:50:A:VAL:HG22	1:139:A:PHE:HD1	2	0.74
(1,1123)	1:50:A:VAL:HG23	1:139:A:PHE:HD1	2	0.74
(1,1120)	1:38:A:ILE:HD11	1:93:A:TYR:HD1	2	0.74
(1,1120)	1:38:A:ILE:HD12	1:93:A:TYR:HD1	2	0.74
(1,1120)	1:38:A:ILE:HD13	1:93:A:TYR:HD1	2	0.74
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD11	2	0.74
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD12	2	0.74
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD13	2	0.74
(1,1043)	1:38:A:ILE:HG21	1:90:A:ALA:HA	5	0.74
(1,1043)	1:38:A:ILE:HG22	1:90:A:ALA:HA	5	0.74
(1,1043)	1:38:A:ILE:HG23	1:90:A:ALA:HA	5	0.74
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB1	5	0.74
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB2	5	0.74
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB3	5	0.74
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG21	1	0.74
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG22	1	0.74
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG23	1	0.74
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG21	1	0.74
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG22	1	0.74
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG23	1	0.74
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG21	1	0.74
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG22	1	0.74
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG23	1	0.74
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG21	9	0.74
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG22	9	0.74
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG23	9	0.74
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD21	10	0.74
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD22	10	0.74
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD23	10	0.74
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD21	10	0.74
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD22	10	0.74
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD23	10	0.74
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD21	10	0.74
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD22	10	0.74
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD23	10	0.74
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD11	2	0.73
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD12	2	0.73
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD13	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB1	1	0.73
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB2	1	0.73
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB3	1	0.73
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB1	1	0.73
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB2	1	0.73
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB3	1	0.73
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB1	1	0.73
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB2	1	0.73
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB3	1	0.73
(1,1077)	1:38:A:ILE:HD11	1:93:A:TYR:HE1	2	0.73
(1,1077)	1:38:A:ILE:HD12	1:93:A:TYR:HE1	2	0.73
(1,1077)	1:38:A:ILE:HD13	1:93:A:TYR:HE1	2	0.73
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB1	5	0.73
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB2	5	0.73
(1,933)	1:38:A:ILE:HG21	1:90:A:ALA:HB3	5	0.73
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB1	5	0.73
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB2	5	0.73
(1,933)	1:38:A:ILE:HG22	1:90:A:ALA:HB3	5	0.73
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB1	5	0.73
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB2	5	0.73
(1,933)	1:38:A:ILE:HG23	1:90:A:ALA:HB3	5	0.73
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB1	10	0.73
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB2	10	0.73
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB3	10	0.73
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB1	10	0.73
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB2	10	0.73
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB3	10	0.73
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB1	10	0.73
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB2	10	0.73
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB3	10	0.73
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD21	1	0.73
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD22	1	0.73
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD23	1	0.73
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD21	1	0.73
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD22	1	0.73
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD23	1	0.73
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD21	1	0.73
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD22	1	0.73
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD23	1	0.73
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG21	5	0.72
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG22	5	0.72
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG23	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG21	5	0.72
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG22	5	0.72
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG23	5	0.72
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG21	5	0.72
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG22	5	0.72
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG23	5	0.72
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG11	10	0.72
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG12	10	0.72
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG13	10	0.72
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD11	5	0.72
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD12	5	0.72
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD13	5	0.72
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD11	5	0.72
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD12	5	0.72
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD13	5	0.72
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD11	5	0.72
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD12	5	0.72
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD13	5	0.72
(1,1122)	1:54:A:VAL:HG11	1:139:A:PHE:HD1	10	0.72
(1,1122)	1:54:A:VAL:HG12	1:139:A:PHE:HD1	10	0.72
(1,1122)	1:54:A:VAL:HG13	1:139:A:PHE:HD1	10	0.72
(1,1114)	1:37:A:MET:HE1	1:34:A:PHE:HD1	9	0.72
(1,1114)	1:37:A:MET:HE2	1:34:A:PHE:HD1	9	0.72
(1,1114)	1:37:A:MET:HE3	1:34:A:PHE:HD1	9	0.72
(1,1102)	1:37:A:MET:HE1	1:131:A:LEU:HD11	10	0.72
(1,1102)	1:37:A:MET:HE1	1:131:A:LEU:HD12	10	0.72
(1,1102)	1:37:A:MET:HE1	1:131:A:LEU:HD13	10	0.72
(1,1102)	1:37:A:MET:HE2	1:131:A:LEU:HD11	10	0.72
(1,1102)	1:37:A:MET:HE2	1:131:A:LEU:HD12	10	0.72
(1,1102)	1:37:A:MET:HE2	1:131:A:LEU:HD13	10	0.72
(1,1102)	1:37:A:MET:HE3	1:131:A:LEU:HD11	10	0.72
(1,1102)	1:37:A:MET:HE3	1:131:A:LEU:HD12	10	0.72
(1,1102)	1:37:A:MET:HE3	1:131:A:LEU:HD13	10	0.72
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD11	2	0.72
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD12	2	0.72
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD13	2	0.72
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD11	2	0.72
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD12	2	0.72
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD13	2	0.72
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD11	2	0.72
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD12	2	0.72
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD13	2	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD11	3	0.72
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD12	3	0.72
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD13	3	0.72
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD11	3	0.72
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD12	3	0.72
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD13	3	0.72
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD11	3	0.72
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD12	3	0.72
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD13	3	0.72
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB1	2	0.72
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB2	2	0.72
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB3	2	0.72
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB1	2	0.72
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB2	2	0.72
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB3	2	0.72
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB1	2	0.72
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB2	2	0.72
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB3	2	0.72
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG21	3	0.72
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG22	3	0.72
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG23	3	0.72
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG21	3	0.72
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG22	3	0.72
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG23	3	0.72
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG21	3	0.72
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG22	3	0.72
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG23	3	0.72
(1,685)	1:111:A:ILE:HD11	1:105:A:LEU:H	4	0.72
(1,685)	1:111:A:ILE:HD12	1:105:A:LEU:H	4	0.72
(1,685)	1:111:A:ILE:HD13	1:105:A:LEU:H	4	0.72
(1,675)	1:101:A:ILE:HG21	1:105:A:LEU:H	8	0.72
(1,675)	1:101:A:ILE:HG22	1:105:A:LEU:H	8	0.72
(1,675)	1:101:A:ILE:HG23	1:105:A:LEU:H	8	0.72
(1,639)	1:97:A:ILE:HD11	1:100:A:ALA:H	9	0.72
(1,639)	1:97:A:ILE:HD12	1:100:A:ALA:H	9	0.72
(1,639)	1:97:A:ILE:HD13	1:100:A:ALA:H	9	0.72
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE1	9	0.71
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE2	9	0.71
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE3	9	0.71
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE1	9	0.71
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE2	9	0.71
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE3	9	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE1	9	0.71
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE2	9	0.71
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE3	9	0.71
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG21	5	0.71
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG22	5	0.71
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG23	5	0.71
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG21	5	0.71
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG22	5	0.71
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG23	5	0.71
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG21	5	0.71
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG22	5	0.71
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG23	5	0.71
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG11	5	0.71
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG12	5	0.71
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG13	5	0.71
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG11	5	0.71
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG12	5	0.71
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG13	5	0.71
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG11	5	0.71
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG12	5	0.71
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG13	5	0.71
(1,737)	1:132:A:THR:HG21	1:34:A:PHE:H	6	0.71
(1,737)	1:132:A:THR:HG22	1:34:A:PHE:H	6	0.71
(1,737)	1:132:A:THR:HG23	1:34:A:PHE:H	6	0.71
(1,715)	1:38:A:ILE:HD11	1:90:A:ALA:H	2	0.71
(1,715)	1:38:A:ILE:HD12	1:90:A:ALA:H	2	0.71
(1,715)	1:38:A:ILE:HD13	1:90:A:ALA:H	2	0.71
(1,713)	1:97:A:ILE:HD11	1:51:A:ALA:H	4	0.71
(1,713)	1:97:A:ILE:HD12	1:51:A:ALA:H	4	0.71
(1,713)	1:97:A:ILE:HD13	1:51:A:ALA:H	4	0.71
(1,682)	1:111:A:ILE:HD11	1:116:A:ALA:H	7	0.71
(1,682)	1:111:A:ILE:HD12	1:116:A:ALA:H	7	0.71
(1,682)	1:111:A:ILE:HD13	1:116:A:ALA:H	7	0.71
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD11	10	0.7
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD12	10	0.7
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD13	10	0.7
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB1	5	0.7
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB2	5	0.7
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB3	5	0.7
(1,1180)	1:41:A:THR:HG21	1:87:A:ILE:HB	7	0.7
(1,1180)	1:41:A:THR:HG22	1:87:A:ILE:HB	7	0.7
(1,1180)	1:41:A:THR:HG23	1:87:A:ILE:HB	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1173)	1:100:A:ALA:HB1	1:79:A:TYR:HE1	5	0.7
(1,1173)	1:100:A:ALA:HB2	1:79:A:TYR:HE1	5	0.7
(1,1173)	1:100:A:ALA:HB3	1:79:A:TYR:HE1	5	0.7
(1,1147)	1:127:A:VAL:HG21	1:34:A:PHE:HE1	9	0.7
(1,1147)	1:127:A:VAL:HG22	1:34:A:PHE:HE1	9	0.7
(1,1147)	1:127:A:VAL:HG23	1:34:A:PHE:HE1	9	0.7
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD11	4	0.7
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD12	4	0.7
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD13	4	0.7
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB2	1	0.7
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB3	1	0.7
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB2	1	0.7
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB3	1	0.7
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB2	1	0.7
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB3	1	0.7
(1,902)	1:24:A:LEU:HA	1:120:A:ALA:HB1	4	0.7
(1,902)	1:24:A:LEU:HA	1:120:A:ALA:HB2	4	0.7
(1,902)	1:24:A:LEU:HA	1:120:A:ALA:HB3	4	0.7
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG21	7	0.7
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG22	7	0.7
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG23	7	0.7
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG11	4	0.7
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG12	4	0.7
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG13	4	0.7
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG11	4	0.7
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG12	4	0.7
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG13	4	0.7
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG11	4	0.7
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG12	4	0.7
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG13	4	0.7
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD21	3	0.7
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD22	3	0.7
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD23	3	0.7
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD21	3	0.7
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD22	3	0.7
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD23	3	0.7
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD21	3	0.7
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD22	3	0.7
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD23	3	0.7
(1,672)	1:24:A:LEU:HB3	1:28:A:LEU:H	9	0.7
(1,660)	1:68:A:ALA:HB1	1:64:A:LEU:H	9	0.7
(1,660)	1:68:A:ALA:HB2	1:64:A:LEU:H	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,660)	1:68:A:ALA:HB3	1:64:A:LEU:H	9	0.7
(1,659)	1:52:A:THR:HG21	1:56:A:GLN:H	5	0.7
(1,659)	1:52:A:THR:HG22	1:56:A:GLN:H	5	0.7
(1,659)	1:52:A:THR:HG23	1:56:A:GLN:H	5	0.7
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG21	6	0.69
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG22	6	0.69
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG23	6	0.69
(1,1075)	1:38:A:ILE:HG21	1:93:A:TYR:HE1	6	0.69
(1,1075)	1:38:A:ILE:HG22	1:93:A:TYR:HE1	6	0.69
(1,1075)	1:38:A:ILE:HG23	1:93:A:TYR:HE1	6	0.69
(1,1069)	1:50:A:VAL:HG11	1:140:A:TYR:HE1	1	0.69
(1,1069)	1:50:A:VAL:HG12	1:140:A:TYR:HE1	1	0.69
(1,1069)	1:50:A:VAL:HG13	1:140:A:TYR:HE1	1	0.69
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD11	6	0.69
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD12	6	0.69
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD13	6	0.69
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD11	6	0.69
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD12	6	0.69
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD13	6	0.69
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD11	6	0.69
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD12	6	0.69
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD13	6	0.69
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE1	7	0.69
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE2	7	0.69
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE3	7	0.69
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE1	7	0.69
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE2	7	0.69
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE3	7	0.69
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE1	7	0.69
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE2	7	0.69
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE3	7	0.69
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB2	7	0.69
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB3	7	0.69
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB2	7	0.69
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB3	7	0.69
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB2	7	0.69
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB3	7	0.69
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG21	5	0.69
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG22	5	0.69
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG23	5	0.69
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG11	1	0.69
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG12	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG13	1	0.69
(1,675)	1:101:A:ILE:HG21	1:105:A:LEU:H	5	0.69
(1,675)	1:101:A:ILE:HG22	1:105:A:LEU:H	5	0.69
(1,675)	1:101:A:ILE:HG23	1:105:A:LEU:H	5	0.69
(1,660)	1:68:A:ALA:HB1	1:64:A:LEU:H	7	0.69
(1,660)	1:68:A:ALA:HB2	1:64:A:LEU:H	7	0.69
(1,660)	1:68:A:ALA:HB3	1:64:A:LEU:H	7	0.69
(1,659)	1:52:A:THR:HG21	1:56:A:GLN:H	2	0.69
(1,659)	1:52:A:THR:HG22	1:56:A:GLN:H	2	0.69
(1,659)	1:52:A:THR:HG23	1:56:A:GLN:H	2	0.69
(1,604)	1:46:A:GLN:HB2	1:43:A:SER:H	10	0.69
(1,604)	1:46:A:GLN:HB3	1:43:A:SER:H	10	0.69
(1,462)	1:80:A:VAL:HB	1:81:A:SER:H	4	0.69
(1,366)	1:52:A:THR:HB	1:53:A:SER:H	5	0.69
(1,82)	1:65:A:ASP:HB3	1:65:A:ASP:H	8	0.69
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD11	1	0.68
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD12	1	0.68
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD13	1	0.68
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD11	4	0.68
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD12	4	0.68
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD13	4	0.68
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD11	4	0.68
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD12	4	0.68
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD13	4	0.68
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD11	4	0.68
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD12	4	0.68
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD13	4	0.68
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD21	2	0.68
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD22	2	0.68
(1,1097)	1:101:A:ILE:HD11	1:72:A:LEU:HD23	2	0.68
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD21	2	0.68
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD22	2	0.68
(1,1097)	1:101:A:ILE:HD12	1:72:A:LEU:HD23	2	0.68
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD21	2	0.68
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD22	2	0.68
(1,1097)	1:101:A:ILE:HD13	1:72:A:LEU:HD23	2	0.68
(1,1077)	1:38:A:ILE:HD11	1:93:A:TYR:HE1	1	0.68
(1,1077)	1:38:A:ILE:HD12	1:93:A:TYR:HE1	1	0.68
(1,1077)	1:38:A:ILE:HD13	1:93:A:TYR:HE1	1	0.68
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD11	2	0.68
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD12	2	0.68
(1,1040)	1:72:A:LEU:HD21	1:101:A:ILE:HD13	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD11	2	0.68
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD12	2	0.68
(1,1040)	1:72:A:LEU:HD22	1:101:A:ILE:HD13	2	0.68
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD11	2	0.68
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD12	2	0.68
(1,1040)	1:72:A:LEU:HD23	1:101:A:ILE:HD13	2	0.68
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD11	10	0.68
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD12	10	0.68
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD13	10	0.68
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE1	2	0.68
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE2	2	0.68
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE3	2	0.68
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE1	2	0.68
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE2	2	0.68
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE3	2	0.68
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE1	2	0.68
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE2	2	0.68
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE3	2	0.68
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE1	9	0.68
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE2	9	0.68
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE3	9	0.68
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE1	9	0.68
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE2	9	0.68
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE3	9	0.68
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE1	9	0.68
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE2	9	0.68
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE3	9	0.68
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD11	2	0.68
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD12	2	0.68
(1,948)	1:72:A:LEU:HD21	1:101:A:ILE:HD13	2	0.68
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD11	2	0.68
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD12	2	0.68
(1,948)	1:72:A:LEU:HD22	1:101:A:ILE:HD13	2	0.68
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD11	2	0.68
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD12	2	0.68
(1,948)	1:72:A:LEU:HD23	1:101:A:ILE:HD13	2	0.68
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB1	9	0.68
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB2	9	0.68
(1,932)	1:35:A:VAL:HA	1:90:A:ALA:HB3	9	0.68
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB1	10	0.68
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB2	10	0.68
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB3	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB1	10	0.68
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB2	10	0.68
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB3	10	0.68
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB1	10	0.68
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB2	10	0.68
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB3	10	0.68
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD11	10	0.68
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD12	10	0.68
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD13	10	0.68
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD11	10	0.68
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD12	10	0.68
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD13	10	0.68
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD11	10	0.68
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD12	10	0.68
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD13	10	0.68
(1,787)	1:50:A:VAL:HG11	1:140:A:TYR:HD1	5	0.68
(1,787)	1:50:A:VAL:HG12	1:140:A:TYR:HD1	5	0.68
(1,787)	1:50:A:VAL:HG13	1:140:A:TYR:HD1	5	0.68
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG11	2	0.68
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG12	2	0.68
(1,783)	1:72:A:LEU:HA	1:104:A:VAL:HG13	2	0.68
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG11	2	0.68
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG12	2	0.68
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG13	2	0.68
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG11	2	0.68
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG12	2	0.68
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG13	2	0.68
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG11	2	0.68
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG12	2	0.68
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG13	2	0.68
(1,766)	1:90:A:ALA:HB1	1:35:A:VAL:HA	9	0.68
(1,766)	1:90:A:ALA:HB2	1:35:A:VAL:HA	9	0.68
(1,766)	1:90:A:ALA:HB3	1:35:A:VAL:HA	9	0.68
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG11	5	0.68
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG12	5	0.68
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG13	5	0.68
(1,695)	1:100:A:ALA:HB1	1:79:A:TYR:H	4	0.68
(1,695)	1:100:A:ALA:HB2	1:79:A:TYR:H	4	0.68
(1,695)	1:100:A:ALA:HB3	1:79:A:TYR:H	4	0.68
(1,660)	1:68:A:ALA:HB1	1:64:A:LEU:H	5	0.68
(1,660)	1:68:A:ALA:HB2	1:64:A:LEU:H	5	0.68
(1,660)	1:68:A:ALA:HB3	1:64:A:LEU:H	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:46:A:GLN:HB2	1:43:A:SER:H	5	0.68
(1,604)	1:46:A:GLN:HB3	1:43:A:SER:H	5	0.68
(1,549)	1:29:A:LEU:HD21	1:31:A:SER:H	5	0.68
(1,549)	1:29:A:LEU:HD22	1:31:A:SER:H	5	0.68
(1,549)	1:29:A:LEU:HD23	1:31:A:SER:H	5	0.68
(1,453)	1:76:A:VAL:HB	1:77:A:SER:H	2	0.68
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG11	7	0.67
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG12	7	0.67
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG13	7	0.67
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD11	3	0.67
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD12	3	0.67
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD13	3	0.67
(1,1123)	1:50:A:VAL:HG21	1:139:A:PHE:HD1	1	0.67
(1,1123)	1:50:A:VAL:HG22	1:139:A:PHE:HD1	1	0.67
(1,1123)	1:50:A:VAL:HG23	1:139:A:PHE:HD1	1	0.67
(1,1122)	1:54:A:VAL:HG11	1:139:A:PHE:HD1	7	0.67
(1,1122)	1:54:A:VAL:HG12	1:139:A:PHE:HD1	7	0.67
(1,1122)	1:54:A:VAL:HG13	1:139:A:PHE:HD1	7	0.67
(1,1111)	1:136:A:PRO:HA	1:131:A:LEU:HD21	8	0.67
(1,1111)	1:136:A:PRO:HA	1:131:A:LEU:HD22	8	0.67
(1,1111)	1:136:A:PRO:HA	1:131:A:LEU:HD23	8	0.67
(1,1105)	1:70:A:ASN:HA	1:73:A:LEU:HD11	1	0.67
(1,1105)	1:70:A:ASN:HA	1:73:A:LEU:HD12	1	0.67
(1,1105)	1:70:A:ASN:HA	1:73:A:LEU:HD13	1	0.67
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD21	2	0.67
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD22	2	0.67
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD23	2	0.67
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD21	2	0.67
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD22	2	0.67
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD23	2	0.67
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD21	2	0.67
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD22	2	0.67
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD23	2	0.67
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD11	6	0.67
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD12	6	0.67
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD13	6	0.67
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD11	6	0.67
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD12	6	0.67
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD13	6	0.67
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD11	6	0.67
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD12	6	0.67
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD13	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE1	6	0.67
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE2	6	0.67
(1,995)	1:73:A:LEU:HD21	1:69:A:MET:HE3	6	0.67
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE1	6	0.67
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE2	6	0.67
(1,995)	1:73:A:LEU:HD22	1:69:A:MET:HE3	6	0.67
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE1	6	0.67
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE2	6	0.67
(1,995)	1:73:A:LEU:HD23	1:69:A:MET:HE3	6	0.67
(1,712)	1:101:A:ILE:HD11	1:55:A:ALA:H	9	0.67
(1,712)	1:101:A:ILE:HD12	1:55:A:ALA:H	9	0.67
(1,712)	1:101:A:ILE:HD13	1:55:A:ALA:H	9	0.67
(1,685)	1:111:A:ILE:HD11	1:105:A:LEU:H	3	0.67
(1,685)	1:111:A:ILE:HD12	1:105:A:LEU:H	3	0.67
(1,685)	1:111:A:ILE:HD13	1:105:A:LEU:H	3	0.67
(1,684)	1:41:A:THR:HB	1:47:A:ALA:H	7	0.67
(1,672)	1:24:A:LEU:HB3	1:28:A:LEU:H	6	0.67
(1,163)	1:73:A:LEU:HG	1:73:A:LEU:H	9	0.67
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB1	7	0.66
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB2	7	0.66
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB3	7	0.66
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB1	7	0.66
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB2	7	0.66
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB3	7	0.66
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB1	7	0.66
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB2	7	0.66
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB3	7	0.66
(1,1127)	1:137:A:ALA:HB1	1:140:A:TYR:HD1	4	0.66
(1,1127)	1:137:A:ALA:HB2	1:140:A:TYR:HD1	4	0.66
(1,1127)	1:137:A:ALA:HB3	1:140:A:TYR:HD1	4	0.66
(1,1026)	1:116:A:ALA:HA	1:111:A:ILE:HD11	8	0.66
(1,1026)	1:116:A:ALA:HA	1:111:A:ILE:HD12	8	0.66
(1,1026)	1:116:A:ALA:HA	1:111:A:ILE:HD13	8	0.66
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB1	5	0.66
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB2	5	0.66
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB3	5	0.66
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB1	7	0.66
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB2	7	0.66
(1,935)	1:104:A:VAL:HG11	1:68:A:ALA:HB3	7	0.66
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB1	7	0.66
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB2	7	0.66
(1,935)	1:104:A:VAL:HG12	1:68:A:ALA:HB3	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB1	7	0.66
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB2	7	0.66
(1,935)	1:104:A:VAL:HG13	1:68:A:ALA:HB3	7	0.66
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD21	7	0.66
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD22	7	0.66
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD23	7	0.66
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD21	7	0.66
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD22	7	0.66
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD23	7	0.66
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD21	7	0.66
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD22	7	0.66
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD23	7	0.66
(1,785)	1:100:A:ALA:HB1	1:79:A:TYR:HD1	5	0.66
(1,785)	1:100:A:ALA:HB2	1:79:A:TYR:HD1	5	0.66
(1,785)	1:100:A:ALA:HB3	1:79:A:TYR:HD1	5	0.66
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG11	7	0.66
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG12	7	0.66
(1,782)	1:68:A:ALA:HB1	1:104:A:VAL:HG13	7	0.66
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG11	7	0.66
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG12	7	0.66
(1,782)	1:68:A:ALA:HB2	1:104:A:VAL:HG13	7	0.66
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG11	7	0.66
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG12	7	0.66
(1,782)	1:68:A:ALA:HB3	1:104:A:VAL:HG13	7	0.66
(1,721)	1:29:A:LEU:HD21	1:92:A:ALA:H	7	0.66
(1,721)	1:29:A:LEU:HD22	1:92:A:ALA:H	7	0.66
(1,721)	1:29:A:LEU:HD23	1:92:A:ALA:H	7	0.66
(1,348)	1:64:A:LEU:HD11	1:65:A:ASP:H	8	0.66
(1,348)	1:64:A:LEU:HD12	1:65:A:ASP:H	8	0.66
(1,348)	1:64:A:LEU:HD13	1:65:A:ASP:H	8	0.66
(1,183)	1:22:A:GLN:HG2	1:22:A:GLN:H	2	0.66
(1,183)	1:22:A:GLN:HG3	1:22:A:GLN:H	2	0.66
(1,67)	1:28:A:LEU:HG	1:28:A:LEU:H	6	0.66
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB1	9	0.65
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB2	9	0.65
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB3	9	0.65
(1,1146)	1:37:A:MET:HE1	1:34:A:PHE:HZ	10	0.65
(1,1146)	1:37:A:MET:HE2	1:34:A:PHE:HZ	10	0.65
(1,1146)	1:37:A:MET:HE3	1:34:A:PHE:HZ	10	0.65
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD11	3	0.65
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD12	3	0.65
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD13	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD11	3	0.65
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD12	3	0.65
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD13	3	0.65
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD11	3	0.65
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD12	3	0.65
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD13	3	0.65
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB1	3	0.65
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB2	3	0.65
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB3	3	0.65
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB1	3	0.65
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB2	3	0.65
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB3	3	0.65
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB1	3	0.65
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB2	3	0.65
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB3	3	0.65
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG21	2	0.65
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG22	2	0.65
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG23	2	0.65
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG11	9	0.65
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG12	9	0.65
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG13	9	0.65
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG11	9	0.65
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG12	9	0.65
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG13	9	0.65
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG11	9	0.65
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG12	9	0.65
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG13	9	0.65
(1,666)	1:83:A:LEU:HB3	1:87:A:ILE:H	10	0.65
(1,659)	1:52:A:THR:HG21	1:56:A:GLN:H	9	0.65
(1,659)	1:52:A:THR:HG22	1:56:A:GLN:H	9	0.65
(1,659)	1:52:A:THR:HG23	1:56:A:GLN:H	9	0.65
(1,651)	1:48:A:VAL:HG11	1:52:A:THR:H	6	0.65
(1,651)	1:48:A:VAL:HG12	1:52:A:THR:H	6	0.65
(1,651)	1:48:A:VAL:HG13	1:52:A:THR:H	6	0.65
(1,576)	1:128:A:THR:HA	1:131:A:LEU:H	1	0.65
(1,183)	1:22:A:GLN:HG2	1:22:A:GLN:H	10	0.65
(1,183)	1:22:A:GLN:HG3	1:22:A:GLN:H	10	0.65
(1,138)	1:105:A:LEU:HG	1:105:A:LEU:H	7	0.65
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD11	3	0.64
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD12	3	0.64
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD13	3	0.64
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD11	3	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD12	3	0.64
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD13	3	0.64
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD11	3	0.64
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD12	3	0.64
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD13	3	0.64
(1,961)	1:62:A:LEU:HD21	1:119:A:ALA:HB1	1	0.64
(1,961)	1:62:A:LEU:HD21	1:119:A:ALA:HB2	1	0.64
(1,961)	1:62:A:LEU:HD21	1:119:A:ALA:HB3	1	0.64
(1,961)	1:62:A:LEU:HD22	1:119:A:ALA:HB1	1	0.64
(1,961)	1:62:A:LEU:HD22	1:119:A:ALA:HB2	1	0.64
(1,961)	1:62:A:LEU:HD22	1:119:A:ALA:HB3	1	0.64
(1,961)	1:62:A:LEU:HD23	1:119:A:ALA:HB1	1	0.64
(1,961)	1:62:A:LEU:HD23	1:119:A:ALA:HB2	1	0.64
(1,961)	1:62:A:LEU:HD23	1:119:A:ALA:HB3	1	0.64
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB1	6	0.64
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB2	6	0.64
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB3	6	0.64
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB1	6	0.64
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB2	6	0.64
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB3	6	0.64
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB1	6	0.64
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB2	6	0.64
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB3	6	0.64
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG21	6	0.64
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG22	6	0.64
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG23	6	0.64
(1,793)	1:119:A:ALA:HB1	1:62:A:LEU:HD21	1	0.64
(1,793)	1:119:A:ALA:HB1	1:62:A:LEU:HD22	1	0.64
(1,793)	1:119:A:ALA:HB1	1:62:A:LEU:HD23	1	0.64
(1,793)	1:119:A:ALA:HB2	1:62:A:LEU:HD21	1	0.64
(1,793)	1:119:A:ALA:HB2	1:62:A:LEU:HD22	1	0.64
(1,793)	1:119:A:ALA:HB2	1:62:A:LEU:HD23	1	0.64
(1,793)	1:119:A:ALA:HB3	1:62:A:LEU:HD21	1	0.64
(1,793)	1:119:A:ALA:HB3	1:62:A:LEU:HD22	1	0.64
(1,793)	1:119:A:ALA:HB3	1:62:A:LEU:HD23	1	0.64
(1,731)	1:124:A:ALA:HB1	1:28:A:LEU:H	1	0.64
(1,731)	1:124:A:ALA:HB2	1:28:A:LEU:H	1	0.64
(1,731)	1:124:A:ALA:HB3	1:28:A:LEU:H	1	0.64
(1,682)	1:111:A:ILE:HD11	1:116:A:ALA:H	10	0.64
(1,682)	1:111:A:ILE:HD12	1:116:A:ALA:H	10	0.64
(1,682)	1:111:A:ILE:HD13	1:116:A:ALA:H	10	0.64
(1,604)	1:46:A:GLN:HB2	1:43:A:SER:H	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:46:A:GLN:HB3	1:43:A:SER:H	7	0.64
(1,453)	1:76:A:VAL:HB	1:77:A:SER:H	7	0.64
(1,436)	1:111:A:ILE:HB	1:112:A:SER:H	7	0.64
(1,358)	1:44:A:THR:HB	1:45:A:ASP:H	1	0.64
(1,82)	1:65:A:ASP:HB3	1:65:A:ASP:H	10	0.64
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG2	10	0.63
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG3	10	0.63
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD11	3	0.63
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD12	3	0.63
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD13	3	0.63
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD11	3	0.63
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD12	3	0.63
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD13	3	0.63
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD11	3	0.63
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD12	3	0.63
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD13	3	0.63
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD11	2	0.63
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD12	2	0.63
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD13	2	0.63
(1,1064)	1:51:A:ALA:HA	1:54:A:VAL:HB	3	0.63
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE1	9	0.63
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE2	9	0.63
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE3	9	0.63
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG21	9	0.63
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG22	9	0.63
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG23	9	0.63
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG21	9	0.63
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG22	9	0.63
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG23	9	0.63
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG21	9	0.63
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG22	9	0.63
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG23	9	0.63
(1,951)	1:132:A:THR:HG21	1:31:A:SER:HB3	6	0.63
(1,951)	1:132:A:THR:HG22	1:31:A:SER:HB3	6	0.63
(1,951)	1:132:A:THR:HG23	1:31:A:SER:HB3	6	0.63
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB1	9	0.63
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB2	9	0.63
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB3	9	0.63
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB1	9	0.63
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB2	9	0.63
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB3	9	0.63
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB1	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB2	9	0.63
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB3	9	0.63
(1,787)	1:50:A:VAL:HG11	1:140:A:TYR:HD1	10	0.63
(1,787)	1:50:A:VAL:HG12	1:140:A:TYR:HD1	10	0.63
(1,787)	1:50:A:VAL:HG13	1:140:A:TYR:HD1	10	0.63
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG11	10	0.63
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG12	10	0.63
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG13	10	0.63
(1,453)	1:76:A:VAL:HB	1:77:A:SER:H	3	0.63
(1,453)	1:76:A:VAL:HB	1:77:A:SER:H	4	0.63
(1,436)	1:111:A:ILE:HB	1:112:A:SER:H	1	0.63
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD21	5	0.62
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD22	5	0.62
(1,1169)	1:105:A:LEU:HD11	1:72:A:LEU:HD23	5	0.62
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD21	5	0.62
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD22	5	0.62
(1,1169)	1:105:A:LEU:HD12	1:72:A:LEU:HD23	5	0.62
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD21	5	0.62
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD22	5	0.62
(1,1169)	1:105:A:LEU:HD13	1:72:A:LEU:HD23	5	0.62
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD11	4	0.62
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD12	4	0.62
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD13	4	0.62
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD11	4	0.62
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD12	4	0.62
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD13	4	0.62
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD11	4	0.62
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD12	4	0.62
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD13	4	0.62
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE1	9	0.62
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE2	9	0.62
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE3	9	0.62
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG21	4	0.62
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG22	4	0.62
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG23	4	0.62
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG21	4	0.62
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG22	4	0.62
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG23	4	0.62
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG21	4	0.62
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG22	4	0.62
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG23	4	0.62
(1,728)	1:111:A:ILE:HD11	1:17:A:GLY:H	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:111:A:ILE:HD12	1:17:A:GLY:H	4	0.62
(1,728)	1:111:A:ILE:HD13	1:17:A:GLY:H	4	0.62
(1,672)	1:24:A:LEU:HB3	1:28:A:LEU:H	7	0.62
(1,669)	1:127:A:VAL:HG21	1:131:A:LEU:H	5	0.62
(1,669)	1:127:A:VAL:HG22	1:131:A:LEU:H	5	0.62
(1,669)	1:127:A:VAL:HG23	1:131:A:LEU:H	5	0.62
(1,138)	1:105:A:LEU:HG	1:105:A:LEU:H	5	0.62
(1,1064)	1:51:A:ALA:HA	1:54:A:VAL:HB	7	0.61
(1,994)	1:127:A:VAL:HG11	1:57:A:ASN:HB2	1	0.61
(1,994)	1:127:A:VAL:HG11	1:57:A:ASN:HB3	1	0.61
(1,994)	1:127:A:VAL:HG12	1:57:A:ASN:HB2	1	0.61
(1,994)	1:127:A:VAL:HG12	1:57:A:ASN:HB3	1	0.61
(1,994)	1:127:A:VAL:HG13	1:57:A:ASN:HB2	1	0.61
(1,994)	1:127:A:VAL:HG13	1:57:A:ASN:HB3	1	0.61
(1,672)	1:24:A:LEU:HB3	1:28:A:LEU:H	2	0.61
(1,453)	1:76:A:VAL:HB	1:77:A:SER:H	1	0.61
(1,453)	1:76:A:VAL:HB	1:77:A:SER:H	6	0.61
(1,394)	1:104:A:VAL:HB	1:105:A:LEU:H	1	0.61
(1,381)	1:48:A:VAL:HB	1:49:A:SER:H	5	0.61
(1,366)	1:52:A:THR:HB	1:53:A:SER:H	9	0.61
(1,362)	1:65:A:ASP:HB2	1:66:A:ALA:H	6	0.61
(1,362)	1:65:A:ASP:HB3	1:66:A:ALA:H	6	0.61
(1,343)	1:54:A:VAL:HB	1:55:A:ALA:H	5	0.61
(1,211)	1:62:A:LEU:HG	1:62:A:LEU:H	10	0.61
(1,183)	1:22:A:GLN:HG2	1:22:A:GLN:H	3	0.61
(1,183)	1:22:A:GLN:HG3	1:22:A:GLN:H	3	0.61
(1,97)	1:36:A:GLN:HG2	1:36:A:GLN:H	1	0.61
(1,97)	1:36:A:GLN:HG3	1:36:A:GLN:H	1	0.61
(1,46)	1:61:A:GLN:HG2	1:61:A:GLN:H	4	0.61
(1,46)	1:61:A:GLN:HG3	1:61:A:GLN:H	4	0.61
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD11	4	0.6
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD12	4	0.6
(1,1179)	1:93:A:TYR:HE1	1:87:A:ILE:HD13	4	0.6
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD11	10	0.6
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD12	10	0.6
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD13	10	0.6
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG21	2	0.6
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG22	2	0.6
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG23	2	0.6
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG21	2	0.6
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG22	2	0.6
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG23	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG21	2	0.6
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG22	2	0.6
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG23	2	0.6
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD21	7	0.6
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD22	7	0.6
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD23	7	0.6
(1,990)	1:116:A:ALA:HA	1:111:A:ILE:CG2	1	0.6
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB1	3	0.6
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB2	3	0.6
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB3	3	0.6
(1,941)	1:24:A:LEU:HD21	1:124:A:ALA:HB1	8	0.6
(1,941)	1:24:A:LEU:HD21	1:124:A:ALA:HB2	8	0.6
(1,941)	1:24:A:LEU:HD21	1:124:A:ALA:HB3	8	0.6
(1,941)	1:24:A:LEU:HD22	1:124:A:ALA:HB1	8	0.6
(1,941)	1:24:A:LEU:HD22	1:124:A:ALA:HB2	8	0.6
(1,941)	1:24:A:LEU:HD22	1:124:A:ALA:HB3	8	0.6
(1,941)	1:24:A:LEU:HD23	1:124:A:ALA:HB1	8	0.6
(1,941)	1:24:A:LEU:HD23	1:124:A:ALA:HB2	8	0.6
(1,941)	1:24:A:LEU:HD23	1:124:A:ALA:HB3	8	0.6
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG21	6	0.6
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG22	6	0.6
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG23	6	0.6
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG21	6	0.6
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG22	6	0.6
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG23	6	0.6
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG21	2	0.6
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG22	2	0.6
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG23	2	0.6
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG21	2	0.6
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG22	2	0.6
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG23	2	0.6
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG21	2	0.6
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG22	2	0.6
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG23	2	0.6
(1,785)	1:100:A:ALA:HB1	1:79:A:TYR:HD1	3	0.6
(1,785)	1:100:A:ALA:HB2	1:79:A:TYR:HD1	3	0.6
(1,785)	1:100:A:ALA:HB3	1:79:A:TYR:HD1	3	0.6
(1,762)	1:124:A:ALA:HB1	1:24:A:LEU:HD21	8	0.6
(1,762)	1:124:A:ALA:HB1	1:24:A:LEU:HD22	8	0.6
(1,762)	1:124:A:ALA:HB1	1:24:A:LEU:HD23	8	0.6
(1,762)	1:124:A:ALA:HB2	1:24:A:LEU:HD21	8	0.6
(1,762)	1:124:A:ALA:HB2	1:24:A:LEU:HD22	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:124:A:ALA:HB2	1:24:A:LEU:HD23	8	0.6
(1,762)	1:124:A:ALA:HB3	1:24:A:LEU:HD21	8	0.6
(1,762)	1:124:A:ALA:HB3	1:24:A:LEU:HD22	8	0.6
(1,762)	1:124:A:ALA:HB3	1:24:A:LEU:HD23	8	0.6
(1,680)	1:64:A:LEU:HD11	1:69:A:MET:H	8	0.6
(1,680)	1:64:A:LEU:HD12	1:69:A:MET:H	8	0.6
(1,680)	1:64:A:LEU:HD13	1:69:A:MET:H	8	0.6
(1,680)	1:64:A:LEU:HD21	1:69:A:MET:H	8	0.6
(1,680)	1:64:A:LEU:HD22	1:69:A:MET:H	8	0.6
(1,680)	1:64:A:LEU:HD23	1:69:A:MET:H	8	0.6
(1,489)	1:58:A:VAL:HB	1:59:A:GLY:H	7	0.6
(1,489)	1:58:A:VAL:HB	1:59:A:GLY:H	9	0.6
(1,453)	1:76:A:VAL:HB	1:77:A:SER:H	8	0.6
(1,394)	1:104:A:VAL:HB	1:105:A:LEU:H	6	0.6
(1,366)	1:52:A:THR:HB	1:53:A:SER:H	3	0.6
(1,366)	1:52:A:THR:HB	1:53:A:SER:H	8	0.6
(1,151)	1:64:A:LEU:HG	1:64:A:LEU:H	2	0.6
(1,97)	1:36:A:GLN:HG2	1:36:A:GLN:H	4	0.6
(1,97)	1:36:A:GLN:HG3	1:36:A:GLN:H	4	0.6
(1,1182)	1:87:A:ILE:HG21	1:93:A:TYR:HD1	9	0.59
(1,1182)	1:87:A:ILE:HG22	1:93:A:TYR:HD1	9	0.59
(1,1182)	1:87:A:ILE:HG23	1:93:A:TYR:HD1	9	0.59
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD11	5	0.59
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD12	5	0.59
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD13	5	0.59
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD11	5	0.59
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD12	5	0.59
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD13	5	0.59
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD11	5	0.59
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD12	5	0.59
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD13	5	0.59
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE1	10	0.59
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE2	10	0.59
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE3	10	0.59
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE1	10	0.59
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE2	10	0.59
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE3	10	0.59
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE1	10	0.59
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE2	10	0.59
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE3	10	0.59
(1,990)	1:116:A:ALA:HA	1:111:A:ILE:CG2	2	0.59
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB1	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB2	5	0.59
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB3	5	0.59
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB1	5	0.59
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB2	5	0.59
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB3	5	0.59
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB1	5	0.59
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB2	5	0.59
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB3	5	0.59
(1,931)	1:35:A:VAL:HG11	1:90:A:ALA:HB1	1	0.59
(1,931)	1:35:A:VAL:HG11	1:90:A:ALA:HB2	1	0.59
(1,931)	1:35:A:VAL:HG11	1:90:A:ALA:HB3	1	0.59
(1,931)	1:35:A:VAL:HG12	1:90:A:ALA:HB1	1	0.59
(1,931)	1:35:A:VAL:HG12	1:90:A:ALA:HB2	1	0.59
(1,931)	1:35:A:VAL:HG12	1:90:A:ALA:HB3	1	0.59
(1,931)	1:35:A:VAL:HG13	1:90:A:ALA:HB1	1	0.59
(1,931)	1:35:A:VAL:HG13	1:90:A:ALA:HB2	1	0.59
(1,931)	1:35:A:VAL:HG13	1:90:A:ALA:HB3	1	0.59
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB1	7	0.59
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB2	7	0.59
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB3	7	0.59
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB1	7	0.59
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB2	7	0.59
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB3	7	0.59
(1,881)	1:134:A:TYR:HD1	1:138:A:VAL:HG21	6	0.59
(1,881)	1:134:A:TYR:HD1	1:138:A:VAL:HG22	6	0.59
(1,881)	1:134:A:TYR:HD1	1:138:A:VAL:HG23	6	0.59
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG11	10	0.59
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG12	10	0.59
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG13	10	0.59
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG11	10	0.59
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG12	10	0.59
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG13	10	0.59
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG11	10	0.59
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG12	10	0.59
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG13	10	0.59
(1,726)	1:111:A:ILE:HD11	1:21:A:ALA:H	5	0.59
(1,726)	1:111:A:ILE:HD12	1:21:A:ALA:H	5	0.59
(1,726)	1:111:A:ILE:HD13	1:21:A:ALA:H	5	0.59
(1,675)	1:101:A:ILE:HG21	1:105:A:LEU:H	7	0.59
(1,675)	1:101:A:ILE:HG22	1:105:A:LEU:H	7	0.59
(1,675)	1:101:A:ILE:HG23	1:105:A:LEU:H	7	0.59
(1,558)	1:58:A:VAL:HG11	1:60:A:ASN:H	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:58:A:VAL:HG12	1:60:A:ASN:H	5	0.59
(1,558)	1:58:A:VAL:HG13	1:60:A:ASN:H	5	0.59
(1,558)	1:58:A:VAL:HG11	1:60:A:ASN:H	8	0.59
(1,558)	1:58:A:VAL:HG12	1:60:A:ASN:H	8	0.59
(1,558)	1:58:A:VAL:HG13	1:60:A:ASN:H	8	0.59
(1,489)	1:58:A:VAL:HB	1:59:A:GLY:H	2	0.59
(1,462)	1:80:A:VAL:HB	1:81:A:SER:H	3	0.59
(1,394)	1:104:A:VAL:HB	1:105:A:LEU:H	9	0.59
(1,381)	1:48:A:VAL:HB	1:49:A:SER:H	3	0.59
(1,366)	1:52:A:THR:HB	1:53:A:SER:H	4	0.59
(1,366)	1:52:A:THR:HB	1:53:A:SER:H	10	0.59
(1,358)	1:44:A:THR:HB	1:45:A:ASP:H	9	0.59
(1,343)	1:54:A:VAL:HB	1:55:A:ALA:H	3	0.59
(1,1190)	1:20:A:PHE:HD1	1:111:A:ILE:CG2	6	0.58
(1,1138)	1:111:A:ILE:CG2	1:20:A:PHE:HD1	6	0.58
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE1	5	0.58
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE2	5	0.58
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE3	5	0.58
(1,951)	1:132:A:THR:HG21	1:31:A:SER:HB3	8	0.58
(1,951)	1:132:A:THR:HG22	1:31:A:SER:HB3	8	0.58
(1,951)	1:132:A:THR:HG23	1:31:A:SER:HB3	8	0.58
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG21	3	0.58
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG22	3	0.58
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG23	3	0.58
(1,737)	1:132:A:THR:HG21	1:34:A:PHE:H	10	0.58
(1,737)	1:132:A:THR:HG22	1:34:A:PHE:H	10	0.58
(1,737)	1:132:A:THR:HG23	1:34:A:PHE:H	10	0.58
(1,729)	1:116:A:ALA:HB1	1:21:A:ALA:H	5	0.58
(1,729)	1:116:A:ALA:HB2	1:21:A:ALA:H	5	0.58
(1,729)	1:116:A:ALA:HB3	1:21:A:ALA:H	5	0.58
(1,659)	1:52:A:THR:HG21	1:56:A:GLN:H	8	0.58
(1,659)	1:52:A:THR:HG22	1:56:A:GLN:H	8	0.58
(1,659)	1:52:A:THR:HG23	1:56:A:GLN:H	8	0.58
(1,489)	1:58:A:VAL:HB	1:59:A:GLY:H	4	0.58
(1,453)	1:76:A:VAL:HB	1:77:A:SER:H	9	0.58
(1,436)	1:111:A:ILE:HB	1:112:A:SER:H	4	0.58
(1,358)	1:44:A:THR:HB	1:45:A:ASP:H	7	0.58
(1,345)	1:64:A:LEU:HD21	1:65:A:ASP:H	10	0.58
(1,345)	1:64:A:LEU:HD22	1:65:A:ASP:H	10	0.58
(1,345)	1:64:A:LEU:HD23	1:65:A:ASP:H	10	0.58
(1,343)	1:54:A:VAL:HB	1:55:A:ALA:H	7	0.58
(1,343)	1:54:A:VAL:HB	1:55:A:ALA:H	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:22:A:GLN:HG2	1:22:A:GLN:H	7	0.58
(1,183)	1:22:A:GLN:HG3	1:22:A:GLN:H	7	0.58
(1,1181)	1:97:A:ILE:HD11	1:93:A:TYR:HD1	7	0.57
(1,1181)	1:97:A:ILE:HD12	1:93:A:TYR:HD1	7	0.57
(1,1181)	1:97:A:ILE:HD13	1:93:A:TYR:HD1	7	0.57
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD11	9	0.57
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD12	9	0.57
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD13	9	0.57
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD11	6	0.57
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD12	6	0.57
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD13	6	0.57
(1,1077)	1:38:A:ILE:HD11	1:93:A:TYR:HE1	9	0.57
(1,1077)	1:38:A:ILE:HD12	1:93:A:TYR:HE1	9	0.57
(1,1077)	1:38:A:ILE:HD13	1:93:A:TYR:HE1	9	0.57
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD11	8	0.57
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD12	8	0.57
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD13	8	0.57
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD11	8	0.57
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD12	8	0.57
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD13	8	0.57
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD11	8	0.57
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD12	8	0.57
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD13	8	0.57
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB2	8	0.57
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB3	8	0.57
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB2	8	0.57
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB3	8	0.57
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB2	8	0.57
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB3	8	0.57
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB1	6	0.57
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB2	6	0.57
(1,970)	1:86:A:ALA:HA	1:92:A:ALA:HB3	6	0.57
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB1	6	0.57
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB2	6	0.57
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB3	6	0.57
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB1	6	0.57
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB2	6	0.57
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB3	6	0.57
(1,737)	1:132:A:THR:HG21	1:34:A:PHE:H	3	0.57
(1,737)	1:132:A:THR:HG22	1:34:A:PHE:H	3	0.57
(1,737)	1:132:A:THR:HG23	1:34:A:PHE:H	3	0.57
(1,549)	1:29:A:LEU:HD21	1:31:A:SER:H	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:29:A:LEU:HD22	1:31:A:SER:H	10	0.57
(1,549)	1:29:A:LEU:HD23	1:31:A:SER:H	10	0.57
(1,381)	1:48:A:VAL:HB	1:49:A:SER:H	7	0.57
(1,343)	1:54:A:VAL:HB	1:55:A:ALA:H	8	0.57
(1,183)	1:22:A:GLN:HG2	1:22:A:GLN:H	1	0.57
(1,183)	1:22:A:GLN:HG3	1:22:A:GLN:H	1	0.57
(1,183)	1:22:A:GLN:HG2	1:22:A:GLN:H	5	0.57
(1,183)	1:22:A:GLN:HG3	1:22:A:GLN:H	5	0.57
(1,46)	1:61:A:GLN:HG2	1:61:A:GLN:H	5	0.57
(1,46)	1:61:A:GLN:HG3	1:61:A:GLN:H	5	0.57
(1,1180)	1:41:A:THR:HG21	1:87:A:ILE:HB	2	0.56
(1,1180)	1:41:A:THR:HG22	1:87:A:ILE:HB	2	0.56
(1,1180)	1:41:A:THR:HG23	1:87:A:ILE:HB	2	0.56
(1,1132)	1:127:A:VAL:HA	1:139:A:PHE:HD1	1	0.56
(1,1119)	1:38:A:ILE:HG21	1:93:A:TYR:HD1	8	0.56
(1,1119)	1:38:A:ILE:HG22	1:93:A:TYR:HD1	8	0.56
(1,1119)	1:38:A:ILE:HG23	1:93:A:TYR:HD1	8	0.56
(1,1115)	1:131:A:LEU:HD11	1:34:A:PHE:HD1	2	0.56
(1,1115)	1:131:A:LEU:HD12	1:34:A:PHE:HD1	2	0.56
(1,1115)	1:131:A:LEU:HD13	1:34:A:PHE:HD1	2	0.56
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD11	2	0.56
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD12	2	0.56
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD13	2	0.56
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG21	8	0.56
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG22	8	0.56
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG23	8	0.56
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB1	5	0.56
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB2	5	0.56
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB3	5	0.56
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB1	5	0.56
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB2	5	0.56
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB3	5	0.56
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD11	5	0.56
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD12	5	0.56
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD13	5	0.56
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD11	5	0.56
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD12	5	0.56
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD13	5	0.56
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD11	5	0.56
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD12	5	0.56
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD13	5	0.56
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG21	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG22	2	0.56
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG23	2	0.56
(1,792)	1:134:A:TYR:HB3	1:130:A:THR:HG21	9	0.56
(1,792)	1:134:A:TYR:HB3	1:130:A:THR:HG22	9	0.56
(1,792)	1:134:A:TYR:HB3	1:130:A:THR:HG23	9	0.56
(1,764)	1:28:A:LEU:HG	1:24:A:LEU:HD21	8	0.56
(1,764)	1:28:A:LEU:HG	1:24:A:LEU:HD22	8	0.56
(1,764)	1:28:A:LEU:HG	1:24:A:LEU:HD23	8	0.56
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG11	9	0.56
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG12	9	0.56
(1,743)	1:29:A:LEU:HD11	1:35:A:VAL:HG13	9	0.56
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG11	9	0.56
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG12	9	0.56
(1,743)	1:29:A:LEU:HD12	1:35:A:VAL:HG13	9	0.56
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG11	9	0.56
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG12	9	0.56
(1,743)	1:29:A:LEU:HD13	1:35:A:VAL:HG13	9	0.56
(1,729)	1:116:A:ALA:HB1	1:21:A:ALA:H	2	0.56
(1,729)	1:116:A:ALA:HB2	1:21:A:ALA:H	2	0.56
(1,729)	1:116:A:ALA:HB3	1:21:A:ALA:H	2	0.56
(1,727)	1:111:A:ILE:HD11	1:20:A:PHE:H	8	0.56
(1,727)	1:111:A:ILE:HD12	1:20:A:PHE:H	8	0.56
(1,727)	1:111:A:ILE:HD13	1:20:A:PHE:H	8	0.56
(1,672)	1:24:A:LEU:HB3	1:28:A:LEU:H	10	0.56
(1,183)	1:22:A:GLN:HG2	1:22:A:GLN:H	4	0.56
(1,183)	1:22:A:GLN:HG3	1:22:A:GLN:H	4	0.56
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG21	5	0.55
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG22	5	0.55
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG23	5	0.55
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG21	5	0.55
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG22	5	0.55
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG23	5	0.55
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG21	5	0.55
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG22	5	0.55
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG23	5	0.55
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG11	8	0.55
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG12	8	0.55
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG13	8	0.55
(1,1165)	1:97:A:ILE:HD11	1:54:A:VAL:HB	3	0.55
(1,1165)	1:97:A:ILE:HD12	1:54:A:VAL:HB	3	0.55
(1,1165)	1:97:A:ILE:HD13	1:54:A:VAL:HB	3	0.55
(1,1122)	1:54:A:VAL:HG11	1:139:A:PHE:HD1	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1122)	1:54:A:VAL:HG12	1:139:A:PHE:HD1	8	0.55
(1,1122)	1:54:A:VAL:HG13	1:139:A:PHE:HD1	8	0.55
(1,1119)	1:38:A:ILE:HG21	1:93:A:TYR:HD1	1	0.55
(1,1119)	1:38:A:ILE:HG22	1:93:A:TYR:HD1	1	0.55
(1,1119)	1:38:A:ILE:HG23	1:93:A:TYR:HD1	1	0.55
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD11	1	0.55
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD12	1	0.55
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD13	1	0.55
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD11	1	0.55
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD12	1	0.55
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD13	1	0.55
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD11	1	0.55
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD12	1	0.55
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD13	1	0.55
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD21	3	0.55
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD22	3	0.55
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD23	3	0.55
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD11	10	0.55
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD12	10	0.55
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD13	10	0.55
(1,1070)	1:80:A:VAL:HG11	1:93:A:TYR:HE1	9	0.55
(1,1070)	1:80:A:VAL:HG12	1:93:A:TYR:HE1	9	0.55
(1,1070)	1:80:A:VAL:HG13	1:93:A:TYR:HE1	9	0.55
(1,1030)	1:54:A:VAL:HB	1:97:A:ILE:HD11	3	0.55
(1,1030)	1:54:A:VAL:HB	1:97:A:ILE:HD12	3	0.55
(1,1030)	1:54:A:VAL:HB	1:97:A:ILE:HD13	3	0.55
(1,994)	1:127:A:VAL:HG11	1:57:A:ASN:HB2	8	0.55
(1,994)	1:127:A:VAL:HG11	1:57:A:ASN:HB3	8	0.55
(1,994)	1:127:A:VAL:HG12	1:57:A:ASN:HB2	8	0.55
(1,994)	1:127:A:VAL:HG12	1:57:A:ASN:HB3	8	0.55
(1,994)	1:127:A:VAL:HG13	1:57:A:ASN:HB2	8	0.55
(1,994)	1:127:A:VAL:HG13	1:57:A:ASN:HB3	8	0.55
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG21	1	0.55
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG22	1	0.55
(1,975)	1:93:A:TYR:HD1	1:38:A:ILE:HG23	1	0.55
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB1	1	0.55
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB2	1	0.55
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB3	1	0.55
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB1	10	0.55
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB2	10	0.55
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB3	10	0.55
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG21	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG22	4	0.55
(1,869)	1:94:A:ALA:HB1	1:54:A:VAL:HG23	4	0.55
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG21	4	0.55
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG22	4	0.55
(1,869)	1:94:A:ALA:HB2	1:54:A:VAL:HG23	4	0.55
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG21	4	0.55
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG22	4	0.55
(1,869)	1:94:A:ALA:HB3	1:54:A:VAL:HG23	4	0.55
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG21	5	0.55
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG22	5	0.55
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG23	5	0.55
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG21	5	0.55
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG22	5	0.55
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG23	5	0.55
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG21	5	0.55
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG22	5	0.55
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG23	5	0.55
(1,729)	1:116:A:ALA:HB1	1:21:A:ALA:H	10	0.55
(1,729)	1:116:A:ALA:HB2	1:21:A:ALA:H	10	0.55
(1,729)	1:116:A:ALA:HB3	1:21:A:ALA:H	10	0.55
(1,721)	1:29:A:LEU:HD21	1:92:A:ALA:H	6	0.55
(1,721)	1:29:A:LEU:HD22	1:92:A:ALA:H	6	0.55
(1,721)	1:29:A:LEU:HD23	1:92:A:ALA:H	6	0.55
(1,690)	1:72:A:LEU:HD11	1:59:A:GLY:H	2	0.55
(1,690)	1:72:A:LEU:HD12	1:59:A:GLY:H	2	0.55
(1,690)	1:72:A:LEU:HD13	1:59:A:GLY:H	2	0.55
(1,678)	1:69:A:MET:HE1	1:64:A:LEU:H	1	0.55
(1,678)	1:69:A:MET:HE2	1:64:A:LEU:H	1	0.55
(1,678)	1:69:A:MET:HE3	1:64:A:LEU:H	1	0.55
(1,659)	1:52:A:THR:HG21	1:56:A:GLN:H	1	0.55
(1,659)	1:52:A:THR:HG22	1:56:A:GLN:H	1	0.55
(1,659)	1:52:A:THR:HG23	1:56:A:GLN:H	1	0.55
(1,657)	1:50:A:VAL:HA	1:54:A:VAL:H	7	0.55
(1,552)	1:44:A:THR:HB	1:46:A:GLN:H	2	0.55
(1,358)	1:44:A:THR:HB	1:45:A:ASP:H	3	0.55
(1,183)	1:22:A:GLN:HG2	1:22:A:GLN:H	8	0.55
(1,183)	1:22:A:GLN:HG3	1:22:A:GLN:H	8	0.55
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD21	4	0.54
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD22	4	0.54
(1,1110)	1:128:A:THR:HA	1:131:A:LEU:HD23	4	0.54
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD11	8	0.54
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD12	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD13	8	0.54
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD11	8	0.54
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD12	8	0.54
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD13	8	0.54
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD11	8	0.54
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD12	8	0.54
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD13	8	0.54
(1,885)	1:128:A:THR:HA	1:131:A:LEU:HB2	10	0.54
(1,885)	1:128:A:THR:HA	1:131:A:LEU:HB3	10	0.54
(1,862)	1:72:A:LEU:HB3	1:104:A:VAL:HG21	9	0.54
(1,862)	1:72:A:LEU:HB3	1:104:A:VAL:HG22	9	0.54
(1,862)	1:72:A:LEU:HB3	1:104:A:VAL:HG23	9	0.54
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG21	8	0.54
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG22	8	0.54
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG23	8	0.54
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG21	8	0.54
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG22	8	0.54
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG23	8	0.54
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG21	8	0.54
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG22	8	0.54
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG23	8	0.54
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG11	2	0.54
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG12	2	0.54
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG13	2	0.54
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG11	2	0.54
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG12	2	0.54
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG13	2	0.54
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG11	2	0.54
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG12	2	0.54
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG13	2	0.54
(1,731)	1:124:A:ALA:HB1	1:28:A:LEU:H	8	0.54
(1,731)	1:124:A:ALA:HB2	1:28:A:LEU:H	8	0.54
(1,731)	1:124:A:ALA:HB3	1:28:A:LEU:H	8	0.54
(1,687)	1:139:A:PHE:HZ	1:131:A:LEU:H	6	0.54
(1,660)	1:68:A:ALA:HB1	1:64:A:LEU:H	2	0.54
(1,660)	1:68:A:ALA:HB2	1:64:A:LEU:H	2	0.54
(1,660)	1:68:A:ALA:HB3	1:64:A:LEU:H	2	0.54
(1,651)	1:48:A:VAL:HG11	1:52:A:THR:H	8	0.54
(1,651)	1:48:A:VAL:HG12	1:52:A:THR:H	8	0.54
(1,651)	1:48:A:VAL:HG13	1:52:A:THR:H	8	0.54
(1,381)	1:48:A:VAL:HB	1:49:A:SER:H	8	0.54
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG21	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG22	6	0.53
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG23	6	0.53
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG21	6	0.53
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG22	6	0.53
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG23	6	0.53
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG21	6	0.53
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG22	6	0.53
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG23	6	0.53
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD11	6	0.53
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD12	6	0.53
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD13	6	0.53
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD11	6	0.53
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD12	6	0.53
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD13	6	0.53
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD11	6	0.53
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD12	6	0.53
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD13	6	0.53
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD11	2	0.53
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD12	2	0.53
(1,1015)	1:83:A:LEU:HD21	1:87:A:ILE:HD13	2	0.53
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD11	2	0.53
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD12	2	0.53
(1,1015)	1:83:A:LEU:HD22	1:87:A:ILE:HD13	2	0.53
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD11	2	0.53
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD12	2	0.53
(1,1015)	1:83:A:LEU:HD23	1:87:A:ILE:HD13	2	0.53
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG21	4	0.53
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG22	4	0.53
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG23	4	0.53
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG21	8	0.53
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG22	8	0.53
(1,958)	1:44:A:THR:HA	1:87:A:ILE:HG23	8	0.53
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB1	7	0.53
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB2	7	0.53
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB3	7	0.53
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB1	7	0.53
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB2	7	0.53
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB3	7	0.53
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB1	7	0.53
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB2	7	0.53
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB3	7	0.53
(1,786)	1:92:A:ALA:HB1	1:93:A:TYR:HD1	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:92:A:ALA:HB2	1:93:A:TYR:HD1	4	0.53
(1,786)	1:92:A:ALA:HB3	1:93:A:TYR:HD1	4	0.53
(1,664)	1:71:A:SER:HA	1:75:A:ALA:H	6	0.53
(1,659)	1:52:A:THR:HG21	1:56:A:GLN:H	6	0.53
(1,659)	1:52:A:THR:HG22	1:56:A:GLN:H	6	0.53
(1,659)	1:52:A:THR:HG23	1:56:A:GLN:H	6	0.53
(1,531)	1:34:A:PHE:HD1	1:35:A:VAL:H	6	0.53
(1,381)	1:48:A:VAL:HB	1:49:A:SER:H	4	0.53
(1,1208)	1:127:A:VAL:HG11	1:139:A:PHE:HD1	4	0.52
(1,1208)	1:127:A:VAL:HG12	1:139:A:PHE:HD1	4	0.52
(1,1208)	1:127:A:VAL:HG13	1:139:A:PHE:HD1	4	0.52
(1,1207)	1:131:A:LEU:HD11	1:139:A:PHE:HE1	2	0.52
(1,1207)	1:131:A:LEU:HD12	1:139:A:PHE:HE1	2	0.52
(1,1207)	1:131:A:LEU:HD13	1:139:A:PHE:HE1	2	0.52
(1,1207)	1:131:A:LEU:HD21	1:139:A:PHE:HE1	2	0.52
(1,1207)	1:131:A:LEU:HD22	1:139:A:PHE:HE1	2	0.52
(1,1207)	1:131:A:LEU:HD23	1:139:A:PHE:HE1	2	0.52
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB1	6	0.52
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB2	6	0.52
(1,1195)	1:20:A:PHE:HE1	1:123:A:ALA:HB3	6	0.52
(1,1190)	1:20:A:PHE:HD1	1:111:A:ILE:CG2	4	0.52
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG21	7	0.52
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG22	7	0.52
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG23	7	0.52
(1,1138)	1:111:A:ILE:CG2	1:20:A:PHE:HD1	4	0.52
(1,1128)	1:41:A:THR:HG21	1:140:A:TYR:HE1	1	0.52
(1,1128)	1:41:A:THR:HG22	1:140:A:TYR:HE1	1	0.52
(1,1128)	1:41:A:THR:HG23	1:140:A:TYR:HE1	1	0.52
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD21	1	0.52
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD22	1	0.52
(1,1100)	1:68:A:ALA:HB1	1:72:A:LEU:HD23	1	0.52
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD21	1	0.52
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD22	1	0.52
(1,1100)	1:68:A:ALA:HB2	1:72:A:LEU:HD23	1	0.52
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD21	1	0.52
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD22	1	0.52
(1,1100)	1:68:A:ALA:HB3	1:72:A:LEU:HD23	1	0.52
(1,1075)	1:38:A:ILE:HG21	1:93:A:TYR:HE1	7	0.52
(1,1075)	1:38:A:ILE:HG22	1:93:A:TYR:HE1	7	0.52
(1,1075)	1:38:A:ILE:HG23	1:93:A:TYR:HE1	7	0.52
(1,865)	1:127:A:VAL:HG21	1:139:A:PHE:HE1	8	0.52
(1,865)	1:127:A:VAL:HG22	1:139:A:PHE:HE1	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	1:127:A:VAL:HG23	1:139:A:PHE:HE1	8	0.52
(1,690)	1:72:A:LEU:HD11	1:59:A:GLY:H	1	0.52
(1,690)	1:72:A:LEU:HD12	1:59:A:GLY:H	1	0.52
(1,690)	1:72:A:LEU:HD13	1:59:A:GLY:H	1	0.52
(1,674)	1:100:A:ALA:HB1	1:104:A:VAL:H	2	0.52
(1,674)	1:100:A:ALA:HB2	1:104:A:VAL:H	2	0.52
(1,674)	1:100:A:ALA:HB3	1:104:A:VAL:H	2	0.52
(1,558)	1:58:A:VAL:HG11	1:60:A:ASN:H	6	0.52
(1,558)	1:58:A:VAL:HG12	1:60:A:ASN:H	6	0.52
(1,558)	1:58:A:VAL:HG13	1:60:A:ASN:H	6	0.52
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG21	8	0.51
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG22	8	0.51
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG23	8	0.51
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD11	6	0.51
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD12	6	0.51
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD13	6	0.51
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD11	6	0.51
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD12	6	0.51
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD13	6	0.51
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD11	6	0.51
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD12	6	0.51
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD13	6	0.51
(1,1147)	1:127:A:VAL:HG21	1:34:A:PHE:HE1	10	0.51
(1,1147)	1:127:A:VAL:HG22	1:34:A:PHE:HE1	10	0.51
(1,1147)	1:127:A:VAL:HG23	1:34:A:PHE:HE1	10	0.51
(1,1133)	1:130:A:THR:HB	1:139:A:PHE:HZ	5	0.51
(1,1125)	1:130:A:THR:HG21	1:139:A:PHE:HZ	5	0.51
(1,1125)	1:130:A:THR:HG22	1:139:A:PHE:HZ	5	0.51
(1,1125)	1:130:A:THR:HG23	1:139:A:PHE:HZ	5	0.51
(1,1124)	1:138:A:VAL:HG21	1:139:A:PHE:HD1	8	0.51
(1,1124)	1:138:A:VAL:HG22	1:139:A:PHE:HD1	8	0.51
(1,1124)	1:138:A:VAL:HG23	1:139:A:PHE:HD1	8	0.51
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD11	8	0.51
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD12	8	0.51
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD13	8	0.51
(1,828)	1:139:A:PHE:HZ	1:130:A:THR:HG21	5	0.51
(1,828)	1:139:A:PHE:HZ	1:130:A:THR:HG22	5	0.51
(1,828)	1:139:A:PHE:HZ	1:130:A:THR:HG23	5	0.51
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG21	8	0.51
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG22	8	0.51
(1,811)	1:134:A:TYR:HD1	1:130:A:THR:HG23	8	0.51
(1,732)	1:116:A:ALA:HB1	1:20:A:PHE:H	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:116:A:ALA:HB2	1:20:A:PHE:H	3	0.51
(1,732)	1:116:A:ALA:HB3	1:20:A:PHE:H	3	0.51
(1,659)	1:52:A:THR:HG21	1:56:A:GLN:H	4	0.51
(1,659)	1:52:A:THR:HG22	1:56:A:GLN:H	4	0.51
(1,659)	1:52:A:THR:HG23	1:56:A:GLN:H	4	0.51
(1,540)	1:121:A:SER:HB2	1:119:A:ALA:H	4	0.51
(1,540)	1:121:A:SER:HB3	1:119:A:ALA:H	4	0.51
(1,536)	1:116:A:ALA:HB1	1:115:A:THR:H	4	0.51
(1,536)	1:116:A:ALA:HB2	1:115:A:THR:H	4	0.51
(1,536)	1:116:A:ALA:HB3	1:115:A:THR:H	4	0.51
(1,381)	1:48:A:VAL:HB	1:49:A:SER:H	6	0.51
(1,211)	1:62:A:LEU:HG	1:62:A:LEU:H	5	0.51
(1,46)	1:61:A:GLN:HG2	1:61:A:GLN:H	6	0.51
(1,46)	1:61:A:GLN:HG3	1:61:A:GLN:H	6	0.51
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD11	3	0.5
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD12	3	0.5
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD13	3	0.5
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD11	10	0.5
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD12	10	0.5
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD13	10	0.5
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD11	10	0.5
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD12	10	0.5
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD13	10	0.5
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD11	10	0.5
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD12	10	0.5
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD13	10	0.5
(1,1070)	1:80:A:VAL:HG11	1:93:A:TYR:HE1	10	0.5
(1,1070)	1:80:A:VAL:HG12	1:93:A:TYR:HE1	10	0.5
(1,1070)	1:80:A:VAL:HG13	1:93:A:TYR:HE1	10	0.5
(1,867)	1:87:A:ILE:HG21	1:83:A:LEU:HB2	1	0.5
(1,867)	1:87:A:ILE:HG22	1:83:A:LEU:HB2	1	0.5
(1,867)	1:87:A:ILE:HG23	1:83:A:LEU:HB2	1	0.5
(1,841)	1:55:A:ALA:HB1	1:76:A:VAL:HG21	3	0.5
(1,841)	1:55:A:ALA:HB1	1:76:A:VAL:HG22	3	0.5
(1,841)	1:55:A:ALA:HB1	1:76:A:VAL:HG23	3	0.5
(1,841)	1:55:A:ALA:HB2	1:76:A:VAL:HG21	3	0.5
(1,841)	1:55:A:ALA:HB2	1:76:A:VAL:HG22	3	0.5
(1,841)	1:55:A:ALA:HB2	1:76:A:VAL:HG23	3	0.5
(1,841)	1:55:A:ALA:HB3	1:76:A:VAL:HG21	3	0.5
(1,841)	1:55:A:ALA:HB3	1:76:A:VAL:HG22	3	0.5
(1,841)	1:55:A:ALA:HB3	1:76:A:VAL:HG23	3	0.5
(1,737)	1:132:A:THR:HG21	1:34:A:PHE:H	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,737)	1:132:A:THR:HG22	1:34:A:PHE:H	4	0.5
(1,737)	1:132:A:THR:HG23	1:34:A:PHE:H	4	0.5
(1,651)	1:48:A:VAL:HG11	1:52:A:THR:H	5	0.5
(1,651)	1:48:A:VAL:HG12	1:52:A:THR:H	5	0.5
(1,651)	1:48:A:VAL:HG13	1:52:A:THR:H	5	0.5
(1,640)	1:101:A:ILE:HG21	1:104:A:VAL:H	2	0.5
(1,640)	1:101:A:ILE:HG22	1:104:A:VAL:H	2	0.5
(1,640)	1:101:A:ILE:HG23	1:104:A:VAL:H	2	0.5
(1,228)	1:132:A:THR:HB	1:132:A:THR:H	8	0.5
(1,183)	1:22:A:GLN:HG2	1:22:A:GLN:H	6	0.5
(1,183)	1:22:A:GLN:HG3	1:22:A:GLN:H	6	0.5
(1,1184)	1:97:A:ILE:HG21	1:93:A:TYR:HE1	8	0.49
(1,1184)	1:97:A:ILE:HG22	1:93:A:TYR:HE1	8	0.49
(1,1184)	1:97:A:ILE:HG23	1:93:A:TYR:HE1	8	0.49
(1,1164)	1:140:A:TYR:HE1	1:46:A:GLN:HB2	1	0.49
(1,1164)	1:140:A:TYR:HE1	1:46:A:GLN:HB3	1	0.49
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD11	4	0.49
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD12	4	0.49
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD13	4	0.49
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD11	4	0.49
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD12	4	0.49
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD13	4	0.49
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD11	4	0.49
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD12	4	0.49
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD13	4	0.49
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD11	5	0.49
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD12	5	0.49
(1,1144)	1:24:A:LEU:HD11	1:28:A:LEU:HD13	5	0.49
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD11	5	0.49
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD12	5	0.49
(1,1144)	1:24:A:LEU:HD12	1:28:A:LEU:HD13	5	0.49
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD11	5	0.49
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD12	5	0.49
(1,1144)	1:24:A:LEU:HD13	1:28:A:LEU:HD13	5	0.49
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD11	10	0.49
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD12	10	0.49
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD13	10	0.49
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD11	10	0.49
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD12	10	0.49
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD13	10	0.49
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD11	10	0.49
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD12	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD13	10	0.49
(1,1116)	1:127:A:VAL:HG21	1:34:A:PHE:HD1	1	0.49
(1,1116)	1:127:A:VAL:HG22	1:34:A:PHE:HD1	1	0.49
(1,1116)	1:127:A:VAL:HG23	1:34:A:PHE:HD1	1	0.49
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD11	5	0.49
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD12	5	0.49
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD13	5	0.49
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD11	5	0.49
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD12	5	0.49
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD13	5	0.49
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD11	5	0.49
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD12	5	0.49
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD13	5	0.49
(1,987)	1:93:A:TYR:HE1	1:97:A:ILE:HG21	8	0.49
(1,987)	1:93:A:TYR:HE1	1:97:A:ILE:HG22	8	0.49
(1,987)	1:93:A:TYR:HE1	1:97:A:ILE:HG23	8	0.49
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB1	10	0.49
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB2	10	0.49
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB3	10	0.49
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB1	10	0.49
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB2	10	0.49
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB3	10	0.49
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB1	10	0.49
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB2	10	0.49
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB3	10	0.49
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB1	7	0.49
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB2	7	0.49
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB3	7	0.49
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB1	2	0.49
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB2	2	0.49
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB3	2	0.49
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG21	4	0.49
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG22	4	0.49
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG23	4	0.49
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG21	4	0.49
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG22	4	0.49
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG23	4	0.49
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG21	8	0.49
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG22	8	0.49
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG23	8	0.49
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG21	8	0.49
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG22	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG23	8	0.49
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD21	4	0.49
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD22	4	0.49
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD23	4	0.49
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD21	10	0.49
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD22	10	0.49
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD23	10	0.49
(1,785)	1:100:A:ALA:HB1	1:79:A:TYR:HD1	7	0.49
(1,785)	1:100:A:ALA:HB2	1:79:A:TYR:HD1	7	0.49
(1,785)	1:100:A:ALA:HB3	1:79:A:TYR:HD1	7	0.49
(1,731)	1:124:A:ALA:HB1	1:28:A:LEU:H	10	0.49
(1,731)	1:124:A:ALA:HB2	1:28:A:LEU:H	10	0.49
(1,731)	1:124:A:ALA:HB3	1:28:A:LEU:H	10	0.49
(1,381)	1:48:A:VAL:HB	1:49:A:SER:H	10	0.49
(1,1070)	1:80:A:VAL:HG11	1:93:A:TYR:HE1	5	0.48
(1,1070)	1:80:A:VAL:HG12	1:93:A:TYR:HE1	5	0.48
(1,1070)	1:80:A:VAL:HG13	1:93:A:TYR:HE1	5	0.48
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB1	1	0.48
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB2	1	0.48
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB3	1	0.48
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB1	4	0.48
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB2	4	0.48
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB3	4	0.48
(1,785)	1:100:A:ALA:HB1	1:79:A:TYR:HD1	1	0.48
(1,785)	1:100:A:ALA:HB2	1:79:A:TYR:HD1	1	0.48
(1,785)	1:100:A:ALA:HB3	1:79:A:TYR:HD1	1	0.48
(1,675)	1:101:A:ILE:HG21	1:105:A:LEU:H	10	0.48
(1,675)	1:101:A:ILE:HG22	1:105:A:LEU:H	10	0.48
(1,675)	1:101:A:ILE:HG23	1:105:A:LEU:H	10	0.48
(1,540)	1:121:A:SER:HB2	1:119:A:ALA:H	8	0.48
(1,540)	1:121:A:SER:HB3	1:119:A:ALA:H	8	0.48
(1,228)	1:132:A:THR:HB	1:132:A:THR:H	5	0.48
(1,85)	1:46:A:GLN:HG2	1:46:A:GLN:H	3	0.48
(1,85)	1:46:A:GLN:HG3	1:46:A:GLN:H	3	0.48
(1,85)	1:46:A:GLN:HG2	1:46:A:GLN:H	9	0.48
(1,85)	1:46:A:GLN:HG3	1:46:A:GLN:H	9	0.48
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG11	6	0.47
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG12	6	0.47
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG13	6	0.47
(1,1122)	1:54:A:VAL:HG11	1:139:A:PHE:HD1	6	0.47
(1,1122)	1:54:A:VAL:HG12	1:139:A:PHE:HD1	6	0.47
(1,1122)	1:54:A:VAL:HG13	1:139:A:PHE:HD1	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:50:A:VAL:HG11	1:140:A:TYR:HE1	10	0.47
(1,1069)	1:50:A:VAL:HG12	1:140:A:TYR:HE1	10	0.47
(1,1069)	1:50:A:VAL:HG13	1:140:A:TYR:HE1	10	0.47
(1,1066)	1:130:A:THR:HG21	1:134:A:TYR:HE1	5	0.47
(1,1066)	1:130:A:THR:HG22	1:134:A:TYR:HE1	5	0.47
(1,1066)	1:130:A:THR:HG23	1:134:A:TYR:HE1	5	0.47
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE1	3	0.47
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE2	3	0.47
(1,1002)	1:56:A:GLN:HG2	1:69:A:MET:HE3	3	0.47
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE1	3	0.47
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE2	3	0.47
(1,1002)	1:56:A:GLN:HG3	1:69:A:MET:HE3	3	0.47
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG21	5	0.47
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG22	5	0.47
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG23	5	0.47
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG21	5	0.47
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG22	5	0.47
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG23	5	0.47
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG21	5	0.47
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG22	5	0.47
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG23	5	0.47
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB1	5	0.47
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB2	5	0.47
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB3	5	0.47
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB1	5	0.47
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB2	5	0.47
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB3	5	0.47
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB1	5	0.47
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB2	5	0.47
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB3	5	0.47
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG11	10	0.47
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG12	10	0.47
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG13	10	0.47
(1,732)	1:116:A:ALA:HB1	1:20:A:PHE:H	4	0.47
(1,732)	1:116:A:ALA:HB2	1:20:A:PHE:H	4	0.47
(1,732)	1:116:A:ALA:HB3	1:20:A:PHE:H	4	0.47
(1,1183)	1:87:A:ILE:HG21	1:93:A:TYR:HE1	3	0.46
(1,1183)	1:87:A:ILE:HG22	1:93:A:TYR:HE1	3	0.46
(1,1183)	1:87:A:ILE:HG23	1:93:A:TYR:HE1	3	0.46
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD11	1	0.46
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD12	1	0.46
(1,1160)	1:41:A:THR:HG21	1:38:A:ILE:HD13	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD11	1	0.46
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD12	1	0.46
(1,1160)	1:41:A:THR:HG22	1:38:A:ILE:HD13	1	0.46
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD11	1	0.46
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD12	1	0.46
(1,1160)	1:41:A:THR:HG23	1:38:A:ILE:HD13	1	0.46
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD11	7	0.46
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD12	7	0.46
(1,1036)	1:55:A:ALA:HB1	1:101:A:ILE:HD13	7	0.46
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD11	7	0.46
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD12	7	0.46
(1,1036)	1:55:A:ALA:HB2	1:101:A:ILE:HD13	7	0.46
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD11	7	0.46
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD12	7	0.46
(1,1036)	1:55:A:ALA:HB3	1:101:A:ILE:HD13	7	0.46
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD11	3	0.46
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD12	3	0.46
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD13	3	0.46
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD11	3	0.46
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD12	3	0.46
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD13	3	0.46
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD11	3	0.46
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD12	3	0.46
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD13	3	0.46
(1,1016)	1:44:A:THR:HA	1:87:A:ILE:HD11	2	0.46
(1,1016)	1:44:A:THR:HA	1:87:A:ILE:HD12	2	0.46
(1,1016)	1:44:A:THR:HA	1:87:A:ILE:HD13	2	0.46
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB1	7	0.46
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB2	7	0.46
(1,929)	1:101:A:ILE:HD11	1:55:A:ALA:HB3	7	0.46
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB1	7	0.46
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB2	7	0.46
(1,929)	1:101:A:ILE:HD12	1:55:A:ALA:HB3	7	0.46
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB1	7	0.46
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB2	7	0.46
(1,929)	1:101:A:ILE:HD13	1:55:A:ALA:HB3	7	0.46
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB1	3	0.46
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB2	3	0.46
(1,904)	1:111:A:ILE:HG12	1:120:A:ALA:HB3	3	0.46
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB1	3	0.46
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB2	3	0.46
(1,904)	1:111:A:ILE:HG13	1:120:A:ALA:HB3	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG21	8	0.46
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG22	8	0.46
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG23	8	0.46
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG21	8	0.46
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG22	8	0.46
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG23	8	0.46
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG21	8	0.46
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG22	8	0.46
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG23	8	0.46
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD11	2	0.46
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD12	2	0.46
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD13	2	0.46
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD11	2	0.46
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD12	2	0.46
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD13	2	0.46
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD11	2	0.46
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD12	2	0.46
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD13	2	0.46
(1,784)	1:96:A:ALA:HB1	1:79:A:TYR:HD1	4	0.46
(1,784)	1:96:A:ALA:HB2	1:79:A:TYR:HD1	4	0.46
(1,784)	1:96:A:ALA:HB3	1:79:A:TYR:HD1	4	0.46
(1,576)	1:128:A:THR:HA	1:131:A:LEU:H	2	0.46
(1,1181)	1:97:A:ILE:HD11	1:93:A:TYR:HD1	3	0.45
(1,1181)	1:97:A:ILE:HD12	1:93:A:TYR:HD1	3	0.45
(1,1181)	1:97:A:ILE:HD13	1:93:A:TYR:HD1	3	0.45
(1,1137)	1:111:A:ILE:HD11	1:20:A:PHE:HD1	8	0.45
(1,1137)	1:111:A:ILE:HD12	1:20:A:PHE:HD1	8	0.45
(1,1137)	1:111:A:ILE:HD13	1:20:A:PHE:HD1	8	0.45
(1,1056)	1:101:A:ILE:HD11	1:55:A:ALA:HA	7	0.45
(1,1056)	1:101:A:ILE:HD12	1:55:A:ALA:HA	7	0.45
(1,1056)	1:101:A:ILE:HD13	1:55:A:ALA:HA	7	0.45
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD11	1	0.45
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD12	1	0.45
(1,1051)	1:94:A:ALA:HB1	1:38:A:ILE:HD13	1	0.45
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD11	1	0.45
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD12	1	0.45
(1,1051)	1:94:A:ALA:HB2	1:38:A:ILE:HD13	1	0.45
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD11	1	0.45
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD12	1	0.45
(1,1051)	1:94:A:ALA:HB3	1:38:A:ILE:HD13	1	0.45
(1,1026)	1:116:A:ALA:HA	1:111:A:ILE:HD11	4	0.45
(1,1026)	1:116:A:ALA:HA	1:111:A:ILE:HD12	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1026)	1:116:A:ALA:HA	1:111:A:ILE:HD13	4	0.45
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD11	8	0.45
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD12	8	0.45
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD13	8	0.45
(1,991)	1:62:A:LEU:HD11	1:111:A:ILE:CG2	7	0.45
(1,991)	1:62:A:LEU:HD12	1:111:A:ILE:CG2	7	0.45
(1,991)	1:62:A:LEU:HD13	1:111:A:ILE:CG2	7	0.45
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB1	6	0.45
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB2	6	0.45
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB3	6	0.45
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB1	1	0.45
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB2	1	0.45
(1,952)	1:38:A:ILE:HD11	1:94:A:ALA:HB3	1	0.45
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB1	1	0.45
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB2	1	0.45
(1,952)	1:38:A:ILE:HD12	1:94:A:ALA:HB3	1	0.45
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB1	1	0.45
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB2	1	0.45
(1,952)	1:38:A:ILE:HD13	1:94:A:ALA:HB3	1	0.45
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG21	8	0.45
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG22	8	0.45
(1,847)	1:128:A:THR:HB	1:129:A:THR:HG23	8	0.45
(1,796)	1:83:A:LEU:HA	1:83:A:LEU:HD21	8	0.45
(1,796)	1:83:A:LEU:HA	1:83:A:LEU:HD22	8	0.45
(1,796)	1:83:A:LEU:HA	1:83:A:LEU:HD23	8	0.45
(1,785)	1:100:A:ALA:HB1	1:79:A:TYR:HD1	6	0.45
(1,785)	1:100:A:ALA:HB2	1:79:A:TYR:HD1	6	0.45
(1,785)	1:100:A:ALA:HB3	1:79:A:TYR:HD1	6	0.45
(1,558)	1:58:A:VAL:HG11	1:60:A:ASN:H	3	0.45
(1,558)	1:58:A:VAL:HG12	1:60:A:ASN:H	3	0.45
(1,558)	1:58:A:VAL:HG13	1:60:A:ASN:H	3	0.45
(1,366)	1:52:A:THR:HB	1:53:A:SER:H	2	0.45
(1,85)	1:46:A:GLN:HG2	1:46:A:GLN:H	7	0.45
(1,85)	1:46:A:GLN:HG3	1:46:A:GLN:H	7	0.45
(1,1184)	1:97:A:ILE:HG21	1:93:A:TYR:HE1	1	0.44
(1,1184)	1:97:A:ILE:HG22	1:93:A:TYR:HE1	1	0.44
(1,1184)	1:97:A:ILE:HG23	1:93:A:TYR:HE1	1	0.44
(1,1079)	1:41:A:THR:HB	1:46:A:GLN:HB2	4	0.44
(1,1079)	1:41:A:THR:HB	1:46:A:GLN:HB3	4	0.44
(1,987)	1:93:A:TYR:HE1	1:97:A:ILE:HG21	1	0.44
(1,987)	1:93:A:TYR:HE1	1:97:A:ILE:HG22	1	0.44
(1,987)	1:93:A:TYR:HE1	1:97:A:ILE:HG23	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB1	3	0.44
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB2	3	0.44
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB3	3	0.44
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB1	3	0.44
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB2	3	0.44
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB3	3	0.44
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB1	8	0.44
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB2	8	0.44
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB3	8	0.44
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD21	5	0.44
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD22	5	0.44
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD23	5	0.44
(1,801)	1:119:A:ALA:HB1	1:20:A:PHE:HD1	8	0.44
(1,801)	1:119:A:ALA:HB2	1:20:A:PHE:HD1	8	0.44
(1,801)	1:119:A:ALA:HB3	1:20:A:PHE:HD1	8	0.44
(1,796)	1:83:A:LEU:HA	1:83:A:LEU:HD21	1	0.44
(1,796)	1:83:A:LEU:HA	1:83:A:LEU:HD22	1	0.44
(1,796)	1:83:A:LEU:HA	1:83:A:LEU:HD23	1	0.44
(1,700)	1:76:A:VAL:HG11	1:101:A:ILE:H	4	0.44
(1,700)	1:76:A:VAL:HG12	1:101:A:ILE:H	4	0.44
(1,700)	1:76:A:VAL:HG13	1:101:A:ILE:H	4	0.44
(1,662)	1:73:A:LEU:HD11	1:69:A:MET:H	9	0.44
(1,662)	1:73:A:LEU:HD12	1:69:A:MET:H	9	0.44
(1,662)	1:73:A:LEU:HD13	1:69:A:MET:H	9	0.44
(1,661)	1:69:A:MET:HE1	1:65:A:ASP:H	2	0.44
(1,661)	1:69:A:MET:HE2	1:65:A:ASP:H	2	0.44
(1,661)	1:69:A:MET:HE3	1:65:A:ASP:H	2	0.44
(1,640)	1:101:A:ILE:HG21	1:104:A:VAL:H	8	0.44
(1,640)	1:101:A:ILE:HG22	1:104:A:VAL:H	8	0.44
(1,640)	1:101:A:ILE:HG23	1:104:A:VAL:H	8	0.44
(1,574)	1:86:A:ALA:HA	1:89:A:ASP:H	5	0.44
(1,531)	1:34:A:PHE:HD1	1:35:A:VAL:H	8	0.44
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG21	2	0.43
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG22	2	0.43
(1,1155)	1:93:A:TYR:HE1	1:38:A:ILE:HG23	2	0.43
(1,1075)	1:38:A:ILE:HG21	1:93:A:TYR:HE1	2	0.43
(1,1075)	1:38:A:ILE:HG22	1:93:A:TYR:HE1	2	0.43
(1,1075)	1:38:A:ILE:HG23	1:93:A:TYR:HE1	2	0.43
(1,784)	1:96:A:ALA:HB1	1:79:A:TYR:HD1	5	0.43
(1,784)	1:96:A:ALA:HB2	1:79:A:TYR:HD1	5	0.43
(1,784)	1:96:A:ALA:HB3	1:79:A:TYR:HD1	5	0.43
(1,709)	1:97:A:ILE:HG21	1:55:A:ALA:H	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:97:A:ILE:HG22	1:55:A:ALA:H	2	0.43
(1,709)	1:97:A:ILE:HG23	1:55:A:ALA:H	2	0.43
(1,991)	1:62:A:LEU:HD11	1:111:A:ILE:CG2	9	0.42
(1,991)	1:62:A:LEU:HD12	1:111:A:ILE:CG2	9	0.42
(1,991)	1:62:A:LEU:HD13	1:111:A:ILE:CG2	9	0.42
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB1	1	0.42
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB2	1	0.42
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB3	1	0.42
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB1	1	0.42
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB2	1	0.42
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB3	1	0.42
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB1	2	0.42
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB2	2	0.42
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB3	2	0.42
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB1	2	0.42
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB2	2	0.42
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB3	2	0.42
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD21	6	0.42
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD22	6	0.42
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD23	6	0.42
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD21	8	0.42
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD22	8	0.42
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD23	8	0.42
(1,732)	1:116:A:ALA:HB1	1:20:A:PHE:H	2	0.42
(1,732)	1:116:A:ALA:HB2	1:20:A:PHE:H	2	0.42
(1,732)	1:116:A:ALA:HB3	1:20:A:PHE:H	2	0.42
(1,708)	1:87:A:ILE:HD11	1:47:A:ALA:H	10	0.42
(1,708)	1:87:A:ILE:HD12	1:47:A:ALA:H	10	0.42
(1,708)	1:87:A:ILE:HD13	1:47:A:ALA:H	10	0.42
(1,684)	1:41:A:THR:HB	1:47:A:ALA:H	6	0.42
(1,552)	1:44:A:THR:HB	1:46:A:GLN:H	5	0.42
(1,512)	1:54:A:VAL:HA	1:53:A:SER:H	8	0.42
(1,512)	1:54:A:VAL:HA	1:53:A:SER:H	10	0.42
(1,489)	1:58:A:VAL:HB	1:59:A:GLY:H	3	0.42
(1,453)	1:76:A:VAL:HB	1:77:A:SER:H	5	0.42
(1,358)	1:44:A:THR:HB	1:45:A:ASP:H	2	0.42
(1,1170)	1:80:A:VAL:HG11	1:79:A:TYR:HD1	10	0.41
(1,1170)	1:80:A:VAL:HG12	1:79:A:TYR:HD1	10	0.41
(1,1170)	1:80:A:VAL:HG13	1:79:A:TYR:HD1	10	0.41
(1,1118)	1:54:A:VAL:HG11	1:34:A:PHE:HD1	10	0.41
(1,1118)	1:54:A:VAL:HG12	1:34:A:PHE:HD1	10	0.41
(1,1118)	1:54:A:VAL:HG13	1:34:A:PHE:HD1	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1064)	1:51:A:ALA:HA	1:54:A:VAL:HB	9	0.41
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE1	5	0.41
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE2	5	0.41
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE3	5	0.41
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE1	5	0.41
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE2	5	0.41
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE3	5	0.41
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE1	5	0.41
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE2	5	0.41
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE3	5	0.41
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE1	5	0.41
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE2	5	0.41
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE3	5	0.41
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE1	5	0.41
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE2	5	0.41
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE3	5	0.41
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE1	5	0.41
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE2	5	0.41
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE3	5	0.41
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB2	5	0.41
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB3	5	0.41
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB2	5	0.41
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB3	5	0.41
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB2	5	0.41
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB3	5	0.41
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG21	5	0.41
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG22	5	0.41
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG23	5	0.41
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG21	5	0.41
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG22	5	0.41
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG23	5	0.41
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG21	5	0.41
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG22	5	0.41
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG23	5	0.41
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD21	2	0.41
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD22	2	0.41
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD23	2	0.41
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD21	7	0.41
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD22	7	0.41
(1,846)	1:29:A:LEU:HA	1:29:A:LEU:HD23	7	0.41
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG11	8	0.41
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG12	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG13	8	0.41
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG11	8	0.41
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG12	8	0.41
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG13	8	0.41
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG11	8	0.41
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG12	8	0.41
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG13	8	0.41
(1,676)	1:116:A:ALA:HB1	1:120:A:ALA:H	10	0.41
(1,676)	1:116:A:ALA:HB2	1:120:A:ALA:H	10	0.41
(1,676)	1:116:A:ALA:HB3	1:120:A:ALA:H	10	0.41
(1,659)	1:52:A:THR:HG21	1:56:A:GLN:H	10	0.41
(1,659)	1:52:A:THR:HG22	1:56:A:GLN:H	10	0.41
(1,659)	1:52:A:THR:HG23	1:56:A:GLN:H	10	0.41
(1,512)	1:54:A:VAL:HA	1:53:A:SER:H	5	0.41
(1,462)	1:80:A:VAL:HB	1:81:A:SER:H	6	0.41
(1,453)	1:76:A:VAL:HB	1:77:A:SER:H	10	0.41
(1,366)	1:52:A:THR:HB	1:53:A:SER:H	6	0.41
(1,97)	1:36:A:GLN:HG2	1:36:A:GLN:H	5	0.41
(1,97)	1:36:A:GLN:HG3	1:36:A:GLN:H	5	0.41
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB1	1	0.4
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB2	1	0.4
(1,1193)	1:115:A:THR:HB	1:119:A:ALA:HB3	1	0.4
(1,1116)	1:127:A:VAL:HG21	1:34:A:PHE:HD1	8	0.4
(1,1116)	1:127:A:VAL:HG22	1:34:A:PHE:HD1	8	0.4
(1,1116)	1:127:A:VAL:HG23	1:34:A:PHE:HD1	8	0.4
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD11	8	0.4
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD12	8	0.4
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD13	8	0.4
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD11	8	0.4
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD12	8	0.4
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD13	8	0.4
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD11	8	0.4
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD12	8	0.4
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD13	8	0.4
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD11	10	0.4
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD12	10	0.4
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD13	10	0.4
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD11	10	0.4
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD12	10	0.4
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD13	10	0.4
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD11	10	0.4
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD12	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD13	10	0.4
(1,976)	1:50:A:VAL:HG21	1:38:A:ILE:HG21	3	0.4
(1,976)	1:50:A:VAL:HG21	1:38:A:ILE:HG22	3	0.4
(1,976)	1:50:A:VAL:HG21	1:38:A:ILE:HG23	3	0.4
(1,976)	1:50:A:VAL:HG22	1:38:A:ILE:HG21	3	0.4
(1,976)	1:50:A:VAL:HG22	1:38:A:ILE:HG22	3	0.4
(1,976)	1:50:A:VAL:HG22	1:38:A:ILE:HG23	3	0.4
(1,976)	1:50:A:VAL:HG23	1:38:A:ILE:HG21	3	0.4
(1,976)	1:50:A:VAL:HG23	1:38:A:ILE:HG22	3	0.4
(1,976)	1:50:A:VAL:HG23	1:38:A:ILE:HG23	3	0.4
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB1	1	0.4
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB2	1	0.4
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB3	1	0.4
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB1	1	0.4
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB2	1	0.4
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB3	1	0.4
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB1	1	0.4
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB2	1	0.4
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB3	1	0.4
(1,875)	1:134:A:TYR:HB2	1:138:A:VAL:HG11	9	0.4
(1,875)	1:134:A:TYR:HB2	1:138:A:VAL:HG12	9	0.4
(1,875)	1:134:A:TYR:HB2	1:138:A:VAL:HG13	9	0.4
(1,875)	1:134:A:TYR:HB3	1:138:A:VAL:HG11	9	0.4
(1,875)	1:134:A:TYR:HB3	1:138:A:VAL:HG12	9	0.4
(1,875)	1:134:A:TYR:HB3	1:138:A:VAL:HG13	9	0.4
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD11	1	0.4
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD12	1	0.4
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD13	1	0.4
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD11	1	0.4
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD12	1	0.4
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD13	1	0.4
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD11	1	0.4
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD12	1	0.4
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD13	1	0.4
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG21	10	0.4
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG22	10	0.4
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG23	10	0.4
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG21	10	0.4
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG22	10	0.4
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG23	10	0.4
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG21	10	0.4
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG22	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG23	10	0.4
(1,685)	1:111:A:ILE:HD11	1:105:A:LEU:H	7	0.4
(1,685)	1:111:A:ILE:HD12	1:105:A:LEU:H	7	0.4
(1,685)	1:111:A:ILE:HD13	1:105:A:LEU:H	7	0.4
(1,674)	1:100:A:ALA:HB1	1:104:A:VAL:H	1	0.4
(1,674)	1:100:A:ALA:HB2	1:104:A:VAL:H	1	0.4
(1,674)	1:100:A:ALA:HB3	1:104:A:VAL:H	1	0.4
(1,555)	1:54:A:VAL:HG11	1:56:A:GLN:H	9	0.4
(1,555)	1:54:A:VAL:HG12	1:56:A:GLN:H	9	0.4
(1,555)	1:54:A:VAL:HG13	1:56:A:GLN:H	9	0.4
(1,531)	1:34:A:PHE:HD1	1:35:A:VAL:H	5	0.4
(1,527)	1:92:A:ALA:HA	1:91:A:SER:H	2	0.4
(1,527)	1:92:A:ALA:HA	1:91:A:SER:H	8	0.4
(1,462)	1:80:A:VAL:HB	1:81:A:SER:H	7	0.4
(1,462)	1:80:A:VAL:HB	1:81:A:SER:H	10	0.4
(1,786)	1:92:A:ALA:HB1	1:93:A:TYR:HD1	1	0.39
(1,786)	1:92:A:ALA:HB2	1:93:A:TYR:HD1	1	0.39
(1,786)	1:92:A:ALA:HB3	1:93:A:TYR:HD1	1	0.39
(1,786)	1:92:A:ALA:HB1	1:93:A:TYR:HD1	3	0.39
(1,786)	1:92:A:ALA:HB2	1:93:A:TYR:HD1	3	0.39
(1,786)	1:92:A:ALA:HB3	1:93:A:TYR:HD1	3	0.39
(1,682)	1:111:A:ILE:HD11	1:116:A:ALA:H	1	0.39
(1,682)	1:111:A:ILE:HD12	1:116:A:ALA:H	1	0.39
(1,682)	1:111:A:ILE:HD13	1:116:A:ALA:H	1	0.39
(1,682)	1:111:A:ILE:HD11	1:116:A:ALA:H	5	0.39
(1,682)	1:111:A:ILE:HD12	1:116:A:ALA:H	5	0.39
(1,682)	1:111:A:ILE:HD13	1:116:A:ALA:H	5	0.39
(1,552)	1:44:A:THR:HB	1:46:A:GLN:H	4	0.39
(1,539)	1:140:A:TYR:HD1	1:141:A:ALA:H	5	0.39
(1,511)	1:50:A:VAL:HA	1:49:A:SER:H	3	0.39
(1,228)	1:132:A:THR:HB	1:132:A:THR:H	1	0.39
(1,228)	1:132:A:THR:HB	1:132:A:THR:H	3	0.39
(1,183)	1:22:A:GLN:HG2	1:22:A:GLN:H	9	0.39
(1,183)	1:22:A:GLN:HG3	1:22:A:GLN:H	9	0.39
(1,55)	1:127:A:VAL:HG11	1:127:A:VAL:H	4	0.39
(1,55)	1:127:A:VAL:HG12	1:127:A:VAL:H	4	0.39
(1,55)	1:127:A:VAL:HG13	1:127:A:VAL:H	4	0.39
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG21	7	0.38
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG22	7	0.38
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG23	7	0.38
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG21	7	0.38
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG22	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG23	7	0.38
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG21	7	0.38
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG22	7	0.38
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG23	7	0.38
(1,1172)	1:99:A:SER:HB2	1:79:A:TYR:HE1	7	0.38
(1,1172)	1:99:A:SER:HB3	1:79:A:TYR:HE1	7	0.38
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD11	6	0.38
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD12	6	0.38
(1,1087)	1:55:A:ALA:HB1	1:72:A:LEU:HD13	6	0.38
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD11	6	0.38
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD12	6	0.38
(1,1087)	1:55:A:ALA:HB2	1:72:A:LEU:HD13	6	0.38
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD11	6	0.38
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD12	6	0.38
(1,1087)	1:55:A:ALA:HB3	1:72:A:LEU:HD13	6	0.38
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD11	3	0.38
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD12	3	0.38
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD13	3	0.38
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD11	1	0.38
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD12	1	0.38
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD13	1	0.38
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD11	1	0.38
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD12	1	0.38
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD13	1	0.38
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD11	1	0.38
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD12	1	0.38
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD13	1	0.38
(1,984)	1:76:A:VAL:HG21	1:97:A:ILE:HG21	5	0.38
(1,984)	1:76:A:VAL:HG21	1:97:A:ILE:HG22	5	0.38
(1,984)	1:76:A:VAL:HG21	1:97:A:ILE:HG23	5	0.38
(1,984)	1:76:A:VAL:HG22	1:97:A:ILE:HG21	5	0.38
(1,984)	1:76:A:VAL:HG22	1:97:A:ILE:HG22	5	0.38
(1,984)	1:76:A:VAL:HG22	1:97:A:ILE:HG23	5	0.38
(1,984)	1:76:A:VAL:HG23	1:97:A:ILE:HG21	5	0.38
(1,984)	1:76:A:VAL:HG23	1:97:A:ILE:HG22	5	0.38
(1,984)	1:76:A:VAL:HG23	1:97:A:ILE:HG23	5	0.38
(1,976)	1:50:A:VAL:HG21	1:38:A:ILE:HG21	5	0.38
(1,976)	1:50:A:VAL:HG21	1:38:A:ILE:HG22	5	0.38
(1,976)	1:50:A:VAL:HG21	1:38:A:ILE:HG23	5	0.38
(1,976)	1:50:A:VAL:HG22	1:38:A:ILE:HG21	5	0.38
(1,976)	1:50:A:VAL:HG22	1:38:A:ILE:HG22	5	0.38
(1,976)	1:50:A:VAL:HG22	1:38:A:ILE:HG23	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,976)	1:50:A:VAL:HG23	1:38:A:ILE:HG21	5	0.38
(1,976)	1:50:A:VAL:HG23	1:38:A:ILE:HG22	5	0.38
(1,976)	1:50:A:VAL:HG23	1:38:A:ILE:HG23	5	0.38
(1,951)	1:132:A:THR:HG21	1:31:A:SER:HB3	7	0.38
(1,951)	1:132:A:THR:HG22	1:31:A:SER:HB3	7	0.38
(1,951)	1:132:A:THR:HG23	1:31:A:SER:HB3	7	0.38
(1,818)	1:97:A:ILE:HG21	1:76:A:VAL:HG21	5	0.38
(1,818)	1:97:A:ILE:HG21	1:76:A:VAL:HG22	5	0.38
(1,818)	1:97:A:ILE:HG21	1:76:A:VAL:HG23	5	0.38
(1,818)	1:97:A:ILE:HG22	1:76:A:VAL:HG21	5	0.38
(1,818)	1:97:A:ILE:HG22	1:76:A:VAL:HG22	5	0.38
(1,818)	1:97:A:ILE:HG22	1:76:A:VAL:HG23	5	0.38
(1,818)	1:97:A:ILE:HG23	1:76:A:VAL:HG21	5	0.38
(1,818)	1:97:A:ILE:HG23	1:76:A:VAL:HG22	5	0.38
(1,818)	1:97:A:ILE:HG23	1:76:A:VAL:HG23	5	0.38
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG21	7	0.38
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG22	7	0.38
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG23	7	0.38
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG21	7	0.38
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG22	7	0.38
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG23	7	0.38
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG21	7	0.38
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG22	7	0.38
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG23	7	0.38
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG11	5	0.38
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG12	5	0.38
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG13	5	0.38
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG11	5	0.38
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG12	5	0.38
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG13	5	0.38
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG11	5	0.38
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG12	5	0.38
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG13	5	0.38
(1,731)	1:124:A:ALA:HB1	1:28:A:LEU:H	7	0.38
(1,731)	1:124:A:ALA:HB2	1:28:A:LEU:H	7	0.38
(1,731)	1:124:A:ALA:HB3	1:28:A:LEU:H	7	0.38
(1,625)	1:83:A:LEU:HB3	1:86:A:ALA:H	1	0.38
(1,527)	1:92:A:ALA:HA	1:91:A:SER:H	7	0.38
(1,512)	1:54:A:VAL:HA	1:53:A:SER:H	9	0.38
(1,462)	1:80:A:VAL:HB	1:81:A:SER:H	8	0.38
(1,228)	1:132:A:THR:HB	1:132:A:THR:H	2	0.38
(1,211)	1:62:A:LEU:HG	1:62:A:LEU:H	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:104:A:VAL:HG11	1:104:A:VAL:H	4	0.38
(1,128)	1:104:A:VAL:HG12	1:104:A:VAL:H	4	0.38
(1,128)	1:104:A:VAL:HG13	1:104:A:VAL:H	4	0.38
(1,128)	1:104:A:VAL:HG11	1:104:A:VAL:H	5	0.38
(1,128)	1:104:A:VAL:HG12	1:104:A:VAL:H	5	0.38
(1,128)	1:104:A:VAL:HG13	1:104:A:VAL:H	5	0.38
(1,128)	1:104:A:VAL:HG11	1:104:A:VAL:H	7	0.38
(1,128)	1:104:A:VAL:HG12	1:104:A:VAL:H	7	0.38
(1,128)	1:104:A:VAL:HG13	1:104:A:VAL:H	7	0.38
(1,77)	1:48:A:VAL:HG11	1:48:A:VAL:H	1	0.38
(1,77)	1:48:A:VAL:HG12	1:48:A:VAL:H	1	0.38
(1,77)	1:48:A:VAL:HG13	1:48:A:VAL:H	1	0.38
(1,77)	1:48:A:VAL:HG11	1:48:A:VAL:H	2	0.38
(1,77)	1:48:A:VAL:HG12	1:48:A:VAL:H	2	0.38
(1,77)	1:48:A:VAL:HG13	1:48:A:VAL:H	2	0.38
(1,77)	1:48:A:VAL:HG11	1:48:A:VAL:H	9	0.38
(1,77)	1:48:A:VAL:HG12	1:48:A:VAL:H	9	0.38
(1,77)	1:48:A:VAL:HG13	1:48:A:VAL:H	9	0.38
(1,55)	1:127:A:VAL:HG11	1:127:A:VAL:H	1	0.38
(1,55)	1:127:A:VAL:HG12	1:127:A:VAL:H	1	0.38
(1,55)	1:127:A:VAL:HG13	1:127:A:VAL:H	1	0.38
(1,38)	1:50:A:VAL:HG11	1:50:A:VAL:H	1	0.38
(1,38)	1:50:A:VAL:HG12	1:50:A:VAL:H	1	0.38
(1,38)	1:50:A:VAL:HG13	1:50:A:VAL:H	1	0.38
(1,38)	1:50:A:VAL:HG11	1:50:A:VAL:H	2	0.38
(1,38)	1:50:A:VAL:HG12	1:50:A:VAL:H	2	0.38
(1,38)	1:50:A:VAL:HG13	1:50:A:VAL:H	2	0.38
(1,1183)	1:87:A:ILE:HG21	1:93:A:TYR:HE1	4	0.37
(1,1183)	1:87:A:ILE:HG22	1:93:A:TYR:HE1	4	0.37
(1,1183)	1:87:A:ILE:HG23	1:93:A:TYR:HE1	4	0.37
(1,1105)	1:70:A:ASN:HA	1:73:A:LEU:HD11	2	0.37
(1,1105)	1:70:A:ASN:HA	1:73:A:LEU:HD12	2	0.37
(1,1105)	1:70:A:ASN:HA	1:73:A:LEU:HD13	2	0.37
(1,902)	1:24:A:LEU:HA	1:120:A:ALA:HB1	1	0.37
(1,902)	1:24:A:LEU:HA	1:120:A:ALA:HB2	1	0.37
(1,902)	1:24:A:LEU:HA	1:120:A:ALA:HB3	1	0.37
(1,767)	1:29:A:LEU:HA	1:35:A:VAL:HG11	10	0.37
(1,767)	1:29:A:LEU:HA	1:35:A:VAL:HG12	10	0.37
(1,767)	1:29:A:LEU:HA	1:35:A:VAL:HG13	10	0.37
(1,699)	1:76:A:VAL:HG21	1:100:A:ALA:H	7	0.37
(1,699)	1:76:A:VAL:HG22	1:100:A:ALA:H	7	0.37
(1,699)	1:76:A:VAL:HG23	1:100:A:ALA:H	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:41:A:THR:HB	1:47:A:ALA:H	10	0.37
(1,555)	1:54:A:VAL:HG11	1:56:A:GLN:H	1	0.37
(1,555)	1:54:A:VAL:HG12	1:56:A:GLN:H	1	0.37
(1,555)	1:54:A:VAL:HG13	1:56:A:GLN:H	1	0.37
(1,555)	1:54:A:VAL:HG11	1:56:A:GLN:H	6	0.37
(1,555)	1:54:A:VAL:HG12	1:56:A:GLN:H	6	0.37
(1,555)	1:54:A:VAL:HG13	1:56:A:GLN:H	6	0.37
(1,552)	1:44:A:THR:HB	1:46:A:GLN:H	10	0.37
(1,539)	1:140:A:TYR:HD1	1:141:A:ALA:H	10	0.37
(1,366)	1:52:A:THR:HB	1:53:A:SER:H	1	0.37
(1,360)	1:35:A:VAL:HB	1:36:A:GLN:H	1	0.37
(1,343)	1:54:A:VAL:HB	1:55:A:ALA:H	2	0.37
(1,288)	1:37:A:MET:HE1	1:37:A:MET:H	9	0.37
(1,288)	1:37:A:MET:HE2	1:37:A:MET:H	9	0.37
(1,288)	1:37:A:MET:HE3	1:37:A:MET:H	9	0.37
(1,228)	1:132:A:THR:HB	1:132:A:THR:H	6	0.37
(1,85)	1:46:A:GLN:HG2	1:46:A:GLN:H	6	0.37
(1,85)	1:46:A:GLN:HG3	1:46:A:GLN:H	6	0.37
(1,82)	1:65:A:ASP:HB3	1:65:A:ASP:H	6	0.37
(1,55)	1:127:A:VAL:HG11	1:127:A:VAL:H	8	0.37
(1,55)	1:127:A:VAL:HG12	1:127:A:VAL:H	8	0.37
(1,55)	1:127:A:VAL:HG13	1:127:A:VAL:H	8	0.37
(1,38)	1:50:A:VAL:HG11	1:50:A:VAL:H	5	0.37
(1,38)	1:50:A:VAL:HG12	1:50:A:VAL:H	5	0.37
(1,38)	1:50:A:VAL:HG13	1:50:A:VAL:H	5	0.37
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD11	8	0.36
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD12	8	0.36
(1,1191)	1:102:A:GLY:HA3	1:111:A:ILE:HD13	8	0.36
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG11	1	0.36
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG12	1	0.36
(1,1166)	1:139:A:PHE:HD1	1:54:A:VAL:HG13	1	0.36
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD11	5	0.36
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD12	5	0.36
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD13	5	0.36
(1,1122)	1:54:A:VAL:HG11	1:139:A:PHE:HD1	1	0.36
(1,1122)	1:54:A:VAL:HG12	1:139:A:PHE:HD1	1	0.36
(1,1122)	1:54:A:VAL:HG13	1:139:A:PHE:HD1	1	0.36
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD11	9	0.36
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD12	9	0.36
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD13	9	0.36
(1,1077)	1:38:A:ILE:HD11	1:93:A:TYR:HE1	5	0.36
(1,1077)	1:38:A:ILE:HD12	1:93:A:TYR:HE1	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:38:A:ILE:HD13	1:93:A:TYR:HE1	5	0.36
(1,1076)	1:97:A:ILE:HD11	1:93:A:TYR:HE1	8	0.36
(1,1076)	1:97:A:ILE:HD12	1:93:A:TYR:HE1	8	0.36
(1,1076)	1:97:A:ILE:HD13	1:93:A:TYR:HE1	8	0.36
(1,1044)	1:69:A:MET:HB2	1:56:A:GLN:HG2	4	0.36
(1,1044)	1:69:A:MET:HB2	1:56:A:GLN:HG3	4	0.36
(1,1044)	1:69:A:MET:HB3	1:56:A:GLN:HG2	4	0.36
(1,1044)	1:69:A:MET:HB3	1:56:A:GLN:HG3	4	0.36
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD11	8	0.36
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD12	8	0.36
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD13	8	0.36
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE1	10	0.36
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE2	10	0.36
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE3	10	0.36
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE1	10	0.36
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE2	10	0.36
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE3	10	0.36
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE1	10	0.36
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE2	10	0.36
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE3	10	0.36
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB1	2	0.36
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB2	2	0.36
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB3	2	0.36
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB1	10	0.36
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB2	10	0.36
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB3	10	0.36
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG21	1	0.36
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG22	1	0.36
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG23	1	0.36
(1,822)	1:136:A:PRO:HA	1:139:A:PHE:HD1	4	0.36
(1,737)	1:132:A:THR:HG21	1:34:A:PHE:H	2	0.36
(1,737)	1:132:A:THR:HG22	1:34:A:PHE:H	2	0.36
(1,737)	1:132:A:THR:HG23	1:34:A:PHE:H	2	0.36
(1,737)	1:132:A:THR:HG21	1:34:A:PHE:H	8	0.36
(1,737)	1:132:A:THR:HG22	1:34:A:PHE:H	8	0.36
(1,737)	1:132:A:THR:HG23	1:34:A:PHE:H	8	0.36
(1,686)	1:139:A:PHE:HE1	1:131:A:LEU:H	1	0.36
(1,625)	1:83:A:LEU:HB3	1:86:A:ALA:H	4	0.36
(1,562)	1:76:A:VAL:HG11	1:78:A:GLY:H	5	0.36
(1,562)	1:76:A:VAL:HG12	1:78:A:GLY:H	5	0.36
(1,562)	1:76:A:VAL:HG13	1:78:A:GLY:H	5	0.36
(1,531)	1:34:A:PHE:HD1	1:35:A:VAL:H	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:80:A:VAL:HB	1:81:A:SER:H	1	0.36
(1,462)	1:80:A:VAL:HB	1:81:A:SER:H	2	0.36
(1,462)	1:80:A:VAL:HB	1:81:A:SER:H	5	0.36
(1,360)	1:35:A:VAL:HB	1:36:A:GLN:H	4	0.36
(1,360)	1:35:A:VAL:HB	1:36:A:GLN:H	9	0.36
(1,138)	1:105:A:LEU:HG	1:105:A:LEU:H	10	0.36
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG21	6	0.35
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG22	6	0.35
(1,1202)	1:139:A:PHE:HD1	1:138:A:VAL:HG23	6	0.35
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD11	3	0.35
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD12	3	0.35
(1,1178)	1:93:A:TYR:HD1	1:87:A:ILE:HD13	3	0.35
(1,1124)	1:138:A:VAL:HG21	1:139:A:PHE:HD1	6	0.35
(1,1124)	1:138:A:VAL:HG22	1:139:A:PHE:HD1	6	0.35
(1,1124)	1:138:A:VAL:HG23	1:139:A:PHE:HD1	6	0.35
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD11	7	0.35
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD12	7	0.35
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD13	7	0.35
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD11	7	0.35
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD12	7	0.35
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD13	7	0.35
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD11	7	0.35
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD12	7	0.35
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD13	7	0.35
(1,1007)	1:47:A:ALA:HB1	1:87:A:ILE:HB	6	0.35
(1,1007)	1:47:A:ALA:HB2	1:87:A:ILE:HB	6	0.35
(1,1007)	1:47:A:ALA:HB3	1:87:A:ILE:HB	6	0.35
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE1	10	0.35
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE2	10	0.35
(1,999)	1:72:A:LEU:HD11	1:69:A:MET:HE3	10	0.35
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE1	10	0.35
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE2	10	0.35
(1,999)	1:72:A:LEU:HD12	1:69:A:MET:HE3	10	0.35
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE1	10	0.35
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE2	10	0.35
(1,999)	1:72:A:LEU:HD13	1:69:A:MET:HE3	10	0.35
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB1	10	0.35
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB2	10	0.35
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB3	10	0.35
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB1	10	0.35
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB2	10	0.35
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB3	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:87:A:ILE:HB	1:47:A:ALA:HB1	6	0.35
(1,915)	1:87:A:ILE:HB	1:47:A:ALA:HB2	6	0.35
(1,915)	1:87:A:ILE:HB	1:47:A:ALA:HB3	6	0.35
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB1	8	0.35
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB2	8	0.35
(1,901)	1:62:A:LEU:HD11	1:123:A:ALA:HB3	8	0.35
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB1	8	0.35
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB2	8	0.35
(1,901)	1:62:A:LEU:HD12	1:123:A:ALA:HB3	8	0.35
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB1	8	0.35
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB2	8	0.35
(1,901)	1:62:A:LEU:HD13	1:123:A:ALA:HB3	8	0.35
(1,721)	1:29:A:LEU:HD21	1:92:A:ALA:H	9	0.35
(1,721)	1:29:A:LEU:HD22	1:92:A:ALA:H	9	0.35
(1,721)	1:29:A:LEU:HD23	1:92:A:ALA:H	9	0.35
(1,632)	1:129:A:THR:HA	1:132:A:THR:H	4	0.35
(1,555)	1:54:A:VAL:HG11	1:56:A:GLN:H	4	0.35
(1,555)	1:54:A:VAL:HG12	1:56:A:GLN:H	4	0.35
(1,555)	1:54:A:VAL:HG13	1:56:A:GLN:H	4	0.35
(1,555)	1:54:A:VAL:HG11	1:56:A:GLN:H	10	0.35
(1,555)	1:54:A:VAL:HG12	1:56:A:GLN:H	10	0.35
(1,555)	1:54:A:VAL:HG13	1:56:A:GLN:H	10	0.35
(1,527)	1:92:A:ALA:HA	1:91:A:SER:H	6	0.35
(1,511)	1:50:A:VAL:HA	1:49:A:SER:H	1	0.35
(1,489)	1:58:A:VAL:HB	1:59:A:GLY:H	6	0.35
(1,462)	1:80:A:VAL:HB	1:81:A:SER:H	9	0.35
(1,394)	1:104:A:VAL:HB	1:105:A:LEU:H	10	0.35
(1,360)	1:35:A:VAL:HB	1:36:A:GLN:H	3	0.35
(1,343)	1:54:A:VAL:HB	1:55:A:ALA:H	1	0.35
(1,343)	1:54:A:VAL:HB	1:55:A:ALA:H	6	0.35
(1,343)	1:54:A:VAL:HB	1:55:A:ALA:H	9	0.35
(1,228)	1:132:A:THR:HB	1:132:A:THR:H	4	0.35
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG2	7	0.34
(1,1162)	1:140:A:TYR:HD1	1:46:A:GLN:HG3	7	0.34
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD11	6	0.34
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD12	6	0.34
(1,1159)	1:93:A:TYR:HE1	1:38:A:ILE:HD13	6	0.34
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB1	4	0.34
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB2	4	0.34
(1,1136)	1:83:A:LEU:HD21	1:86:A:ALA:HB3	4	0.34
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB1	4	0.34
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB2	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:83:A:LEU:HD22	1:86:A:ALA:HB3	4	0.34
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB1	4	0.34
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB2	4	0.34
(1,1136)	1:83:A:LEU:HD23	1:86:A:ALA:HB3	4	0.34
(1,1117)	1:28:A:LEU:HD21	1:34:A:PHE:HD1	1	0.34
(1,1117)	1:28:A:LEU:HD22	1:34:A:PHE:HD1	1	0.34
(1,1117)	1:28:A:LEU:HD23	1:34:A:PHE:HD1	1	0.34
(1,1077)	1:38:A:ILE:HD11	1:93:A:TYR:HE1	6	0.34
(1,1077)	1:38:A:ILE:HD12	1:93:A:TYR:HE1	6	0.34
(1,1077)	1:38:A:ILE:HD13	1:93:A:TYR:HE1	6	0.34
(1,988)	1:119:A:ALA:HB1	1:111:A:ILE:CG2	8	0.34
(1,988)	1:119:A:ALA:HB2	1:111:A:ILE:CG2	8	0.34
(1,988)	1:119:A:ALA:HB3	1:111:A:ILE:CG2	8	0.34
(1,988)	1:119:A:ALA:HB1	1:111:A:ILE:CG2	9	0.34
(1,988)	1:119:A:ALA:HB2	1:111:A:ILE:CG2	9	0.34
(1,988)	1:119:A:ALA:HB3	1:111:A:ILE:CG2	9	0.34
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB1	8	0.34
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB2	8	0.34
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB3	8	0.34
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB1	9	0.34
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB2	9	0.34
(1,963)	1:111:A:ILE:CG2	1:119:A:ALA:HB3	9	0.34
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB1	8	0.34
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB2	8	0.34
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB3	8	0.34
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB1	8	0.34
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB2	8	0.34
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB3	8	0.34
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB1	1	0.34
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB2	1	0.34
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB3	1	0.34
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB1	10	0.34
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB2	10	0.34
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB3	10	0.34
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB1	4	0.34
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB2	4	0.34
(1,927)	1:76:A:VAL:HG21	1:55:A:ALA:HB3	4	0.34
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB1	4	0.34
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB2	4	0.34
(1,927)	1:76:A:VAL:HG22	1:55:A:ALA:HB3	4	0.34
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB1	4	0.34
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB2	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:76:A:VAL:HG23	1:55:A:ALA:HB3	4	0.34
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG21	9	0.34
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG22	9	0.34
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG23	9	0.34
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD21	4	0.34
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD22	4	0.34
(1,795)	1:86:A:ALA:HB1	1:83:A:LEU:HD23	4	0.34
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD21	4	0.34
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD22	4	0.34
(1,795)	1:86:A:ALA:HB2	1:83:A:LEU:HD23	4	0.34
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD21	4	0.34
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD22	4	0.34
(1,795)	1:86:A:ALA:HB3	1:83:A:LEU:HD23	4	0.34
(1,732)	1:116:A:ALA:HB1	1:20:A:PHE:H	9	0.34
(1,732)	1:116:A:ALA:HB2	1:20:A:PHE:H	9	0.34
(1,732)	1:116:A:ALA:HB3	1:20:A:PHE:H	9	0.34
(1,628)	1:104:A:VAL:HG21	1:107:A:ASN:H	5	0.34
(1,628)	1:104:A:VAL:HG22	1:107:A:ASN:H	5	0.34
(1,628)	1:104:A:VAL:HG23	1:107:A:ASN:H	5	0.34
(1,555)	1:54:A:VAL:HG11	1:56:A:GLN:H	2	0.34
(1,555)	1:54:A:VAL:HG12	1:56:A:GLN:H	2	0.34
(1,555)	1:54:A:VAL:HG13	1:56:A:GLN:H	2	0.34
(1,511)	1:50:A:VAL:HA	1:49:A:SER:H	2	0.34
(1,489)	1:58:A:VAL:HB	1:59:A:GLY:H	5	0.34
(1,489)	1:58:A:VAL:HB	1:59:A:GLY:H	8	0.34
(1,394)	1:104:A:VAL:HB	1:105:A:LEU:H	2	0.34
(1,394)	1:104:A:VAL:HB	1:105:A:LEU:H	3	0.34
(1,373)	1:19:A:ALA:HA	1:18:A:ASN:H	9	0.34
(1,360)	1:35:A:VAL:HB	1:36:A:GLN:H	6	0.34
(1,228)	1:132:A:THR:HB	1:132:A:THR:H	7	0.34
(1,228)	1:132:A:THR:HB	1:132:A:THR:H	10	0.34
(1,97)	1:36:A:GLN:HG2	1:36:A:GLN:H	10	0.34
(1,97)	1:36:A:GLN:HG3	1:36:A:GLN:H	10	0.34
(1,1118)	1:54:A:VAL:HG11	1:34:A:PHE:HD1	9	0.33
(1,1118)	1:54:A:VAL:HG12	1:34:A:PHE:HD1	9	0.33
(1,1118)	1:54:A:VAL:HG13	1:34:A:PHE:HD1	9	0.33
(1,1044)	1:69:A:MET:HB2	1:56:A:GLN:HG2	2	0.33
(1,1044)	1:69:A:MET:HB2	1:56:A:GLN:HG3	2	0.33
(1,1044)	1:69:A:MET:HB3	1:56:A:GLN:HG2	2	0.33
(1,1044)	1:69:A:MET:HB3	1:56:A:GLN:HG3	2	0.33
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG21	6	0.33
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG22	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG23	6	0.33
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG21	6	0.33
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG22	6	0.33
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG23	6	0.33
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG21	6	0.33
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG22	6	0.33
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG23	6	0.33
(1,812)	1:138:A:VAL:HG11	1:130:A:THR:HG21	6	0.33
(1,812)	1:138:A:VAL:HG11	1:130:A:THR:HG22	6	0.33
(1,812)	1:138:A:VAL:HG11	1:130:A:THR:HG23	6	0.33
(1,812)	1:138:A:VAL:HG12	1:130:A:THR:HG21	6	0.33
(1,812)	1:138:A:VAL:HG12	1:130:A:THR:HG22	6	0.33
(1,812)	1:138:A:VAL:HG12	1:130:A:THR:HG23	6	0.33
(1,812)	1:138:A:VAL:HG13	1:130:A:THR:HG21	6	0.33
(1,812)	1:138:A:VAL:HG13	1:130:A:THR:HG22	6	0.33
(1,812)	1:138:A:VAL:HG13	1:130:A:THR:HG23	6	0.33
(1,812)	1:138:A:VAL:HG21	1:130:A:THR:HG21	6	0.33
(1,812)	1:138:A:VAL:HG21	1:130:A:THR:HG22	6	0.33
(1,812)	1:138:A:VAL:HG21	1:130:A:THR:HG23	6	0.33
(1,812)	1:138:A:VAL:HG22	1:130:A:THR:HG21	6	0.33
(1,812)	1:138:A:VAL:HG22	1:130:A:THR:HG22	6	0.33
(1,812)	1:138:A:VAL:HG22	1:130:A:THR:HG23	6	0.33
(1,812)	1:138:A:VAL:HG23	1:130:A:THR:HG21	6	0.33
(1,812)	1:138:A:VAL:HG23	1:130:A:THR:HG22	6	0.33
(1,812)	1:138:A:VAL:HG23	1:130:A:THR:HG23	6	0.33
(1,675)	1:101:A:ILE:HG21	1:105:A:LEU:H	1	0.33
(1,675)	1:101:A:ILE:HG22	1:105:A:LEU:H	1	0.33
(1,675)	1:101:A:ILE:HG23	1:105:A:LEU:H	1	0.33
(1,640)	1:101:A:ILE:HG21	1:104:A:VAL:H	10	0.33
(1,640)	1:101:A:ILE:HG22	1:104:A:VAL:H	10	0.33
(1,640)	1:101:A:ILE:HG23	1:104:A:VAL:H	10	0.33
(1,628)	1:104:A:VAL:HG21	1:107:A:ASN:H	7	0.33
(1,628)	1:104:A:VAL:HG22	1:107:A:ASN:H	7	0.33
(1,628)	1:104:A:VAL:HG23	1:107:A:ASN:H	7	0.33
(1,574)	1:86:A:ALA:HA	1:89:A:ASP:H	10	0.33
(1,547)	1:82:A:THR:HA	1:84:A:GLY:H	3	0.33
(1,545)	1:41:A:THR:HB	1:43:A:SER:H	6	0.33
(1,539)	1:140:A:TYR:HD1	1:141:A:ALA:H	3	0.33
(1,394)	1:104:A:VAL:HB	1:105:A:LEU:H	8	0.33
(1,373)	1:19:A:ALA:HA	1:18:A:ASN:H	5	0.33
(1,373)	1:19:A:ALA:HA	1:18:A:ASN:H	7	0.33
(1,360)	1:35:A:VAL:HB	1:36:A:GLN:H	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:20:A:PHE:HD1	1:111:A:ILE:CG2	9	0.32
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB1	4	0.32
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB2	4	0.32
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB3	4	0.32
(1,1181)	1:97:A:ILE:HD11	1:93:A:TYR:HD1	6	0.32
(1,1181)	1:97:A:ILE:HD12	1:93:A:TYR:HD1	6	0.32
(1,1181)	1:97:A:ILE:HD13	1:93:A:TYR:HD1	6	0.32
(1,1173)	1:100:A:ALA:HB1	1:79:A:TYR:HE1	4	0.32
(1,1173)	1:100:A:ALA:HB2	1:79:A:TYR:HE1	4	0.32
(1,1173)	1:100:A:ALA:HB3	1:79:A:TYR:HE1	4	0.32
(1,1138)	1:111:A:ILE:CG2	1:20:A:PHE:HD1	9	0.32
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD11	8	0.32
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD12	8	0.32
(1,1085)	1:20:A:PHE:HE1	1:24:A:LEU:HD13	8	0.32
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD11	2	0.32
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD12	2	0.32
(1,1027)	1:106:A:ALA:HA	1:111:A:ILE:HD13	2	0.32
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG21	10	0.32
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG22	10	0.32
(1,985)	1:51:A:ALA:HB1	1:97:A:ILE:HG23	10	0.32
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG21	10	0.32
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG22	10	0.32
(1,985)	1:51:A:ALA:HB2	1:97:A:ILE:HG23	10	0.32
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG21	10	0.32
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG22	10	0.32
(1,985)	1:51:A:ALA:HB3	1:97:A:ILE:HG23	10	0.32
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB1	7	0.32
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB2	7	0.32
(1,962)	1:121:A:SER:HB2	1:119:A:ALA:HB3	7	0.32
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB1	7	0.32
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB2	7	0.32
(1,962)	1:121:A:SER:HB3	1:119:A:ALA:HB3	7	0.32
(1,941)	1:24:A:LEU:HD21	1:124:A:ALA:HB1	3	0.32
(1,941)	1:24:A:LEU:HD21	1:124:A:ALA:HB2	3	0.32
(1,941)	1:24:A:LEU:HD21	1:124:A:ALA:HB3	3	0.32
(1,941)	1:24:A:LEU:HD22	1:124:A:ALA:HB1	3	0.32
(1,941)	1:24:A:LEU:HD22	1:124:A:ALA:HB2	3	0.32
(1,941)	1:24:A:LEU:HD22	1:124:A:ALA:HB3	3	0.32
(1,941)	1:24:A:LEU:HD23	1:124:A:ALA:HB1	3	0.32
(1,941)	1:24:A:LEU:HD23	1:124:A:ALA:HB2	3	0.32
(1,941)	1:24:A:LEU:HD23	1:124:A:ALA:HB3	3	0.32
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB1	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB2	10	0.32
(1,892)	1:97:A:ILE:HG21	1:51:A:ALA:HB3	10	0.32
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB1	10	0.32
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB2	10	0.32
(1,892)	1:97:A:ILE:HG22	1:51:A:ALA:HB3	10	0.32
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB1	10	0.32
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB2	10	0.32
(1,892)	1:97:A:ILE:HG23	1:51:A:ALA:HB3	10	0.32
(1,867)	1:87:A:ILE:HG21	1:83:A:LEU:HB2	5	0.32
(1,867)	1:87:A:ILE:HG22	1:83:A:LEU:HB2	5	0.32
(1,867)	1:87:A:ILE:HG23	1:83:A:LEU:HB2	5	0.32
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG21	9	0.32
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG22	9	0.32
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG23	9	0.32
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG21	6	0.32
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG22	6	0.32
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG23	6	0.32
(1,762)	1:124:A:ALA:HB1	1:24:A:LEU:HD21	3	0.32
(1,762)	1:124:A:ALA:HB1	1:24:A:LEU:HD22	3	0.32
(1,762)	1:124:A:ALA:HB1	1:24:A:LEU:HD23	3	0.32
(1,762)	1:124:A:ALA:HB2	1:24:A:LEU:HD21	3	0.32
(1,762)	1:124:A:ALA:HB2	1:24:A:LEU:HD22	3	0.32
(1,762)	1:124:A:ALA:HB2	1:24:A:LEU:HD23	3	0.32
(1,762)	1:124:A:ALA:HB3	1:24:A:LEU:HD21	3	0.32
(1,762)	1:124:A:ALA:HB3	1:24:A:LEU:HD22	3	0.32
(1,762)	1:124:A:ALA:HB3	1:24:A:LEU:HD23	3	0.32
(1,685)	1:111:A:ILE:HD11	1:105:A:LEU:H	5	0.32
(1,685)	1:111:A:ILE:HD12	1:105:A:LEU:H	5	0.32
(1,685)	1:111:A:ILE:HD13	1:105:A:LEU:H	5	0.32
(1,684)	1:41:A:THR:HB	1:47:A:ALA:H	1	0.32
(1,564)	1:97:A:ILE:HG21	1:99:A:SER:H	7	0.32
(1,564)	1:97:A:ILE:HG22	1:99:A:SER:H	7	0.32
(1,564)	1:97:A:ILE:HG23	1:99:A:SER:H	7	0.32
(1,562)	1:76:A:VAL:HG11	1:78:A:GLY:H	10	0.32
(1,562)	1:76:A:VAL:HG12	1:78:A:GLY:H	10	0.32
(1,562)	1:76:A:VAL:HG13	1:78:A:GLY:H	10	0.32
(1,512)	1:54:A:VAL:HA	1:53:A:SER:H	3	0.32
(1,512)	1:54:A:VAL:HA	1:53:A:SER:H	4	0.32
(1,512)	1:54:A:VAL:HA	1:53:A:SER:H	6	0.32
(1,512)	1:54:A:VAL:HA	1:53:A:SER:H	7	0.32
(1,373)	1:19:A:ALA:HA	1:18:A:ASN:H	2	0.32
(1,360)	1:35:A:VAL:HB	1:36:A:GLN:H	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:54:A:VAL:HB	1:55:A:ALA:H	4	0.32
(1,55)	1:127:A:VAL:HG11	1:127:A:VAL:H	10	0.32
(1,55)	1:127:A:VAL:HG12	1:127:A:VAL:H	10	0.32
(1,55)	1:127:A:VAL:HG13	1:127:A:VAL:H	10	0.32
(1,1088)	1:101:A:ILE:HG21	1:72:A:LEU:HD11	8	0.31
(1,1088)	1:101:A:ILE:HG21	1:72:A:LEU:HD12	8	0.31
(1,1088)	1:101:A:ILE:HG21	1:72:A:LEU:HD13	8	0.31
(1,1088)	1:101:A:ILE:HG22	1:72:A:LEU:HD11	8	0.31
(1,1088)	1:101:A:ILE:HG22	1:72:A:LEU:HD12	8	0.31
(1,1088)	1:101:A:ILE:HG22	1:72:A:LEU:HD13	8	0.31
(1,1088)	1:101:A:ILE:HG23	1:72:A:LEU:HD11	8	0.31
(1,1088)	1:101:A:ILE:HG23	1:72:A:LEU:HD12	8	0.31
(1,1088)	1:101:A:ILE:HG23	1:72:A:LEU:HD13	8	0.31
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB1	7	0.31
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB2	7	0.31
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB3	7	0.31
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB1	8	0.31
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB2	8	0.31
(1,905)	1:20:A:PHE:HA	1:120:A:ALA:HB3	8	0.31
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG21	6	0.31
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG22	6	0.31
(1,835)	1:123:A:ALA:HB1	1:58:A:VAL:HG23	6	0.31
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG21	6	0.31
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG22	6	0.31
(1,835)	1:123:A:ALA:HB2	1:58:A:VAL:HG23	6	0.31
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG21	6	0.31
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG22	6	0.31
(1,835)	1:123:A:ALA:HB3	1:58:A:VAL:HG23	6	0.31
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG21	1	0.31
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG22	1	0.31
(1,808)	1:81:A:SER:HA	1:44:A:THR:HG23	1	0.31
(1,682)	1:111:A:ILE:HD11	1:116:A:ALA:H	2	0.31
(1,682)	1:111:A:ILE:HD12	1:116:A:ALA:H	2	0.31
(1,682)	1:111:A:ILE:HD13	1:116:A:ALA:H	2	0.31
(1,674)	1:100:A:ALA:HB1	1:104:A:VAL:H	8	0.31
(1,674)	1:100:A:ALA:HB2	1:104:A:VAL:H	8	0.31
(1,674)	1:100:A:ALA:HB3	1:104:A:VAL:H	8	0.31
(1,659)	1:52:A:THR:HG21	1:56:A:GLN:H	7	0.31
(1,659)	1:52:A:THR:HG22	1:56:A:GLN:H	7	0.31
(1,659)	1:52:A:THR:HG23	1:56:A:GLN:H	7	0.31
(1,640)	1:101:A:ILE:HG21	1:104:A:VAL:H	7	0.31
(1,640)	1:101:A:ILE:HG22	1:104:A:VAL:H	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:101:A:ILE:HG23	1:104:A:VAL:H	7	0.31
(1,527)	1:92:A:ALA:HA	1:91:A:SER:H	1	0.31
(1,517)	1:59:A:GLY:HA2	1:58:A:VAL:H	1	0.31
(1,517)	1:59:A:GLY:HA2	1:58:A:VAL:H	10	0.31
(1,511)	1:50:A:VAL:HA	1:49:A:SER:H	4	0.31
(1,511)	1:50:A:VAL:HA	1:49:A:SER:H	8	0.31
(1,511)	1:50:A:VAL:HA	1:49:A:SER:H	9	0.31
(1,373)	1:19:A:ALA:HA	1:18:A:ASN:H	10	0.31
(1,360)	1:35:A:VAL:HB	1:36:A:GLN:H	7	0.31
(1,269)	1:108:A:SER:HB3	1:108:A:SER:H	8	0.31
(1,97)	1:36:A:GLN:HG2	1:36:A:GLN:H	6	0.31
(1,97)	1:36:A:GLN:HG3	1:36:A:GLN:H	6	0.31
(1,1054)	1:97:A:ILE:HD11	1:51:A:ALA:HA	7	0.3
(1,1054)	1:97:A:ILE:HD12	1:51:A:ALA:HA	7	0.3
(1,1054)	1:97:A:ILE:HD13	1:51:A:ALA:HA	7	0.3
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG21	3	0.3
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG22	3	0.3
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG23	3	0.3
(1,737)	1:132:A:THR:HG21	1:34:A:PHE:H	7	0.3
(1,737)	1:132:A:THR:HG22	1:34:A:PHE:H	7	0.3
(1,737)	1:132:A:THR:HG23	1:34:A:PHE:H	7	0.3
(1,527)	1:92:A:ALA:HA	1:91:A:SER:H	3	0.3
(1,527)	1:92:A:ALA:HA	1:91:A:SER:H	10	0.3
(1,511)	1:50:A:VAL:HA	1:49:A:SER:H	6	0.3
(1,511)	1:50:A:VAL:HA	1:49:A:SER:H	7	0.3
(1,511)	1:50:A:VAL:HA	1:49:A:SER:H	10	0.3
(1,97)	1:36:A:GLN:HG2	1:36:A:GLN:H	9	0.3
(1,97)	1:36:A:GLN:HG3	1:36:A:GLN:H	9	0.3
(1,85)	1:46:A:GLN:HG2	1:46:A:GLN:H	8	0.3
(1,85)	1:46:A:GLN:HG3	1:46:A:GLN:H	8	0.3
(1,1183)	1:87:A:ILE:HG21	1:93:A:TYR:HE1	5	0.29
(1,1183)	1:87:A:ILE:HG22	1:93:A:TYR:HE1	5	0.29
(1,1183)	1:87:A:ILE:HG23	1:93:A:TYR:HE1	5	0.29
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD11	9	0.29
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD12	9	0.29
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD13	9	0.29
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD11	9	0.29
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD12	9	0.29
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD13	9	0.29
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD11	9	0.29
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD12	9	0.29
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD13	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE1	10	0.29
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE2	10	0.29
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE3	10	0.29
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB1	9	0.29
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB2	9	0.29
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB3	9	0.29
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB1	9	0.29
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB2	9	0.29
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB3	9	0.29
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB1	9	0.29
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB2	9	0.29
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB3	9	0.29
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG11	3	0.29
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG12	3	0.29
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG13	3	0.29
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG11	3	0.29
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG12	3	0.29
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG13	3	0.29
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG11	9	0.29
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG12	9	0.29
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG13	9	0.29
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG11	9	0.29
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG12	9	0.29
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG13	9	0.29
(1,671)	1:138:A:VAL:HG21	1:134:A:TYR:H	9	0.29
(1,671)	1:138:A:VAL:HG22	1:134:A:TYR:H	9	0.29
(1,671)	1:138:A:VAL:HG23	1:134:A:TYR:H	9	0.29
(1,661)	1:69:A:MET:HE1	1:65:A:ASP:H	10	0.29
(1,661)	1:69:A:MET:HE2	1:65:A:ASP:H	10	0.29
(1,661)	1:69:A:MET:HE3	1:65:A:ASP:H	10	0.29
(1,564)	1:97:A:ILE:HG21	1:99:A:SER:H	2	0.29
(1,564)	1:97:A:ILE:HG22	1:99:A:SER:H	2	0.29
(1,564)	1:97:A:ILE:HG23	1:99:A:SER:H	2	0.29
(1,531)	1:34:A:PHE:HD1	1:35:A:VAL:H	1	0.29
(1,527)	1:92:A:ALA:HA	1:91:A:SER:H	4	0.29
(1,527)	1:92:A:ALA:HA	1:91:A:SER:H	5	0.29
(1,511)	1:50:A:VAL:HA	1:49:A:SER:H	5	0.29
(1,373)	1:19:A:ALA:HA	1:18:A:ASN:H	4	0.29
(1,360)	1:35:A:VAL:HB	1:36:A:GLN:H	5	0.29
(1,269)	1:108:A:SER:HB3	1:108:A:SER:H	3	0.29
(1,228)	1:132:A:THR:HB	1:132:A:THR:H	9	0.29
(1,1180)	1:41:A:THR:HG21	1:87:A:ILE:HB	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:41:A:THR:HG22	1:87:A:ILE:HB	8	0.28
(1,1180)	1:41:A:THR:HG23	1:87:A:ILE:HB	8	0.28
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD11	6	0.28
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD12	6	0.28
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD13	6	0.28
(1,1146)	1:37:A:MET:HE1	1:34:A:PHE:HZ	9	0.28
(1,1146)	1:37:A:MET:HE2	1:34:A:PHE:HZ	9	0.28
(1,1146)	1:37:A:MET:HE3	1:34:A:PHE:HZ	9	0.28
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD11	6	0.28
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD12	6	0.28
(1,1037)	1:55:A:ALA:HA	1:101:A:ILE:HD13	6	0.28
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD11	2	0.28
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD12	2	0.28
(1,1024)	1:106:A:ALA:HB1	1:111:A:ILE:HD13	2	0.28
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD11	2	0.28
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD12	2	0.28
(1,1024)	1:106:A:ALA:HB2	1:111:A:ILE:HD13	2	0.28
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD11	2	0.28
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD12	2	0.28
(1,1024)	1:106:A:ALA:HB3	1:111:A:ILE:HD13	2	0.28
(1,978)	1:88:A:SER:HA	1:38:A:ILE:HG21	1	0.28
(1,978)	1:88:A:SER:HA	1:38:A:ILE:HG22	1	0.28
(1,978)	1:88:A:SER:HA	1:38:A:ILE:HG23	1	0.28
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB1	2	0.28
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB2	2	0.28
(1,944)	1:111:A:ILE:HD11	1:106:A:ALA:HB3	2	0.28
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB1	2	0.28
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB2	2	0.28
(1,944)	1:111:A:ILE:HD12	1:106:A:ALA:HB3	2	0.28
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB1	2	0.28
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB2	2	0.28
(1,944)	1:111:A:ILE:HD13	1:106:A:ALA:HB3	2	0.28
(1,936)	1:64:A:LEU:HD21	1:68:A:ALA:HB1	8	0.28
(1,936)	1:64:A:LEU:HD21	1:68:A:ALA:HB2	8	0.28
(1,936)	1:64:A:LEU:HD21	1:68:A:ALA:HB3	8	0.28
(1,936)	1:64:A:LEU:HD22	1:68:A:ALA:HB1	8	0.28
(1,936)	1:64:A:LEU:HD22	1:68:A:ALA:HB2	8	0.28
(1,936)	1:64:A:LEU:HD22	1:68:A:ALA:HB3	8	0.28
(1,936)	1:64:A:LEU:HD23	1:68:A:ALA:HB1	8	0.28
(1,936)	1:64:A:LEU:HD23	1:68:A:ALA:HB2	8	0.28
(1,936)	1:64:A:LEU:HD23	1:68:A:ALA:HB3	8	0.28
(1,867)	1:87:A:ILE:HG21	1:83:A:LEU:HB2	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:87:A:ILE:HG22	1:83:A:LEU:HB2	6	0.28
(1,867)	1:87:A:ILE:HG23	1:83:A:LEU:HB2	6	0.28
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG21	8	0.28
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG22	8	0.28
(1,832)	1:87:A:ILE:HB	1:41:A:THR:HG23	8	0.28
(1,820)	1:68:A:ALA:HB1	1:64:A:LEU:HD21	8	0.28
(1,820)	1:68:A:ALA:HB1	1:64:A:LEU:HD22	8	0.28
(1,820)	1:68:A:ALA:HB1	1:64:A:LEU:HD23	8	0.28
(1,820)	1:68:A:ALA:HB2	1:64:A:LEU:HD21	8	0.28
(1,820)	1:68:A:ALA:HB2	1:64:A:LEU:HD22	8	0.28
(1,820)	1:68:A:ALA:HB2	1:64:A:LEU:HD23	8	0.28
(1,820)	1:68:A:ALA:HB3	1:64:A:LEU:HD21	8	0.28
(1,820)	1:68:A:ALA:HB3	1:64:A:LEU:HD22	8	0.28
(1,820)	1:68:A:ALA:HB3	1:64:A:LEU:HD23	8	0.28
(1,763)	1:124:A:ALA:HA	1:24:A:LEU:HD21	8	0.28
(1,763)	1:124:A:ALA:HA	1:24:A:LEU:HD22	8	0.28
(1,763)	1:124:A:ALA:HA	1:24:A:LEU:HD23	8	0.28
(1,738)	1:28:A:LEU:HD21	1:127:A:VAL:H	3	0.28
(1,738)	1:28:A:LEU:HD22	1:127:A:VAL:H	3	0.28
(1,738)	1:28:A:LEU:HD23	1:127:A:VAL:H	3	0.28
(1,527)	1:92:A:ALA:HA	1:91:A:SER:H	9	0.28
(1,516)	1:58:A:VAL:HB	1:57:A:ASN:H	4	0.28
(1,85)	1:46:A:GLN:HG2	1:46:A:GLN:H	2	0.28
(1,85)	1:46:A:GLN:HG3	1:46:A:GLN:H	2	0.28
(1,1182)	1:87:A:ILE:HG21	1:93:A:TYR:HD1	6	0.27
(1,1182)	1:87:A:ILE:HG22	1:93:A:TYR:HD1	6	0.27
(1,1182)	1:87:A:ILE:HG23	1:93:A:TYR:HD1	6	0.27
(1,1120)	1:38:A:ILE:HD11	1:93:A:TYR:HD1	6	0.27
(1,1120)	1:38:A:ILE:HD12	1:93:A:TYR:HD1	6	0.27
(1,1120)	1:38:A:ILE:HD13	1:93:A:TYR:HD1	6	0.27
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD11	6	0.27
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD12	6	0.27
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD13	6	0.27
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB1	5	0.27
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB2	5	0.27
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB3	5	0.27
(1,787)	1:50:A:VAL:HG11	1:140:A:TYR:HD1	6	0.27
(1,787)	1:50:A:VAL:HG12	1:140:A:TYR:HD1	6	0.27
(1,787)	1:50:A:VAL:HG13	1:140:A:TYR:HD1	6	0.27
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG11	6	0.27
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG12	6	0.27
(1,753)	1:140:A:TYR:HD1	1:50:A:VAL:HG13	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:54:A:VAL:HG11	1:56:A:GLN:H	5	0.27
(1,555)	1:54:A:VAL:HG12	1:56:A:GLN:H	5	0.27
(1,555)	1:54:A:VAL:HG13	1:56:A:GLN:H	5	0.27
(1,373)	1:19:A:ALA:HA	1:18:A:ASN:H	1	0.27
(1,373)	1:19:A:ALA:HA	1:18:A:ASN:H	3	0.27
(1,373)	1:19:A:ALA:HA	1:18:A:ASN:H	8	0.27
(1,97)	1:36:A:GLN:HG2	1:36:A:GLN:H	3	0.27
(1,97)	1:36:A:GLN:HG3	1:36:A:GLN:H	3	0.27
(1,46)	1:61:A:GLN:HG2	1:61:A:GLN:H	2	0.27
(1,46)	1:61:A:GLN:HG3	1:61:A:GLN:H	2	0.27
(1,1183)	1:87:A:ILE:HG21	1:93:A:TYR:HE1	6	0.26
(1,1183)	1:87:A:ILE:HG22	1:93:A:TYR:HE1	6	0.26
(1,1183)	1:87:A:ILE:HG23	1:93:A:TYR:HE1	6	0.26
(1,1139)	1:116:A:ALA:HA	1:20:A:PHE:HD1	2	0.26
(1,1076)	1:97:A:ILE:HD11	1:93:A:TYR:HE1	6	0.26
(1,1076)	1:97:A:ILE:HD12	1:93:A:TYR:HE1	6	0.26
(1,1076)	1:97:A:ILE:HD13	1:93:A:TYR:HE1	6	0.26
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD11	6	0.26
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD12	6	0.26
(1,1031)	1:93:A:TYR:HE1	1:97:A:ILE:HD13	6	0.26
(1,1006)	1:100:A:ALA:HB1	1:79:A:TYR:HB2	9	0.26
(1,1006)	1:100:A:ALA:HB2	1:79:A:TYR:HB2	9	0.26
(1,1006)	1:100:A:ALA:HB3	1:79:A:TYR:HB2	9	0.26
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB2	9	0.26
(1,992)	1:124:A:ALA:HB1	1:27:A:ASN:HB3	9	0.26
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB2	9	0.26
(1,992)	1:124:A:ALA:HB2	1:27:A:ASN:HB3	9	0.26
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB2	9	0.26
(1,992)	1:124:A:ALA:HB3	1:27:A:ASN:HB3	9	0.26
(1,990)	1:116:A:ALA:HA	1:111:A:ILE:CG2	9	0.26
(1,957)	1:79:A:TYR:HB2	1:100:A:ALA:HB1	9	0.26
(1,957)	1:79:A:TYR:HB2	1:100:A:ALA:HB2	9	0.26
(1,957)	1:79:A:TYR:HB2	1:100:A:ALA:HB3	9	0.26
(1,896)	1:24:A:LEU:HD21	1:123:A:ALA:HB1	7	0.26
(1,896)	1:24:A:LEU:HD21	1:123:A:ALA:HB2	7	0.26
(1,896)	1:24:A:LEU:HD21	1:123:A:ALA:HB3	7	0.26
(1,896)	1:24:A:LEU:HD22	1:123:A:ALA:HB1	7	0.26
(1,896)	1:24:A:LEU:HD22	1:123:A:ALA:HB2	7	0.26
(1,896)	1:24:A:LEU:HD22	1:123:A:ALA:HB3	7	0.26
(1,896)	1:24:A:LEU:HD23	1:123:A:ALA:HB1	7	0.26
(1,896)	1:24:A:LEU:HD23	1:123:A:ALA:HB2	7	0.26
(1,896)	1:24:A:LEU:HD23	1:123:A:ALA:HB3	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG21	8	0.26
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG22	8	0.26
(1,817)	1:83:A:LEU:HD11	1:80:A:VAL:HG23	8	0.26
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG21	8	0.26
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG22	8	0.26
(1,817)	1:83:A:LEU:HD12	1:80:A:VAL:HG23	8	0.26
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG21	8	0.26
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG22	8	0.26
(1,817)	1:83:A:LEU:HD13	1:80:A:VAL:HG23	8	0.26
(1,760)	1:123:A:ALA:HB1	1:24:A:LEU:HD21	7	0.26
(1,760)	1:123:A:ALA:HB1	1:24:A:LEU:HD22	7	0.26
(1,760)	1:123:A:ALA:HB1	1:24:A:LEU:HD23	7	0.26
(1,760)	1:123:A:ALA:HB2	1:24:A:LEU:HD21	7	0.26
(1,760)	1:123:A:ALA:HB2	1:24:A:LEU:HD22	7	0.26
(1,760)	1:123:A:ALA:HB2	1:24:A:LEU:HD23	7	0.26
(1,760)	1:123:A:ALA:HB3	1:24:A:LEU:HD21	7	0.26
(1,760)	1:123:A:ALA:HB3	1:24:A:LEU:HD22	7	0.26
(1,760)	1:123:A:ALA:HB3	1:24:A:LEU:HD23	7	0.26
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG11	4	0.26
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG12	4	0.26
(1,748)	1:54:A:VAL:HA	1:127:A:VAL:HG13	4	0.26
(1,640)	1:101:A:ILE:HG21	1:104:A:VAL:H	4	0.26
(1,640)	1:101:A:ILE:HG22	1:104:A:VAL:H	4	0.26
(1,640)	1:101:A:ILE:HG23	1:104:A:VAL:H	4	0.26
(1,596)	1:106:A:ALA:HB1	1:103:A:ASN:H	10	0.26
(1,596)	1:106:A:ALA:HB2	1:103:A:ASN:H	10	0.26
(1,596)	1:106:A:ALA:HB3	1:103:A:ASN:H	10	0.26
(1,555)	1:54:A:VAL:HG11	1:56:A:GLN:H	8	0.26
(1,555)	1:54:A:VAL:HG12	1:56:A:GLN:H	8	0.26
(1,555)	1:54:A:VAL:HG13	1:56:A:GLN:H	8	0.26
(1,517)	1:59:A:GLY:HA2	1:58:A:VAL:H	4	0.26
(1,517)	1:59:A:GLY:HA2	1:58:A:VAL:H	5	0.26
(1,517)	1:59:A:GLY:HA2	1:58:A:VAL:H	9	0.26
(1,516)	1:58:A:VAL:HB	1:57:A:ASN:H	2	0.26
(1,512)	1:54:A:VAL:HA	1:53:A:SER:H	1	0.26
(1,512)	1:54:A:VAL:HA	1:53:A:SER:H	2	0.26
(1,360)	1:35:A:VAL:HB	1:36:A:GLN:H	10	0.26
(1,268)	1:52:A:THR:HB	1:52:A:THR:H	8	0.26
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD11	6	0.25
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD12	6	0.25
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD13	6	0.25
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD11	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD12	6	0.25
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD13	6	0.25
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD11	6	0.25
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD12	6	0.25
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD13	6	0.25
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD11	9	0.25
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD12	9	0.25
(1,1033)	1:76:A:VAL:HG11	1:101:A:ILE:HD13	9	0.25
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD11	9	0.25
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD12	9	0.25
(1,1033)	1:76:A:VAL:HG12	1:101:A:ILE:HD13	9	0.25
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD11	9	0.25
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD12	9	0.25
(1,1033)	1:76:A:VAL:HG13	1:101:A:ILE:HD13	9	0.25
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD11	6	0.25
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD12	6	0.25
(1,1019)	1:41:A:THR:HG21	1:87:A:ILE:HD13	6	0.25
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD11	6	0.25
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD12	6	0.25
(1,1019)	1:41:A:THR:HG22	1:87:A:ILE:HD13	6	0.25
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD11	6	0.25
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD12	6	0.25
(1,1019)	1:41:A:THR:HG23	1:87:A:ILE:HD13	6	0.25
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG21	2	0.25
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG22	2	0.25
(1,863)	1:68:A:ALA:HB1	1:104:A:VAL:HG23	2	0.25
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG21	2	0.25
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG22	2	0.25
(1,863)	1:68:A:ALA:HB2	1:104:A:VAL:HG23	2	0.25
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG21	2	0.25
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG22	2	0.25
(1,863)	1:68:A:ALA:HB3	1:104:A:VAL:HG23	2	0.25
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG21	6	0.25
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG22	6	0.25
(1,833)	1:87:A:ILE:HD11	1:41:A:THR:HG23	6	0.25
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG21	6	0.25
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG22	6	0.25
(1,833)	1:87:A:ILE:HD12	1:41:A:THR:HG23	6	0.25
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG21	6	0.25
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG22	6	0.25
(1,833)	1:87:A:ILE:HD13	1:41:A:THR:HG23	6	0.25
(1,654)	1:33:A:ASP:HA	1:37:A:MET:H	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:121:A:SER:HB2	1:119:A:ALA:H	9	0.25
(1,540)	1:121:A:SER:HB3	1:119:A:ALA:H	9	0.25
(1,517)	1:59:A:GLY:HA2	1:58:A:VAL:H	2	0.25
(1,517)	1:59:A:GLY:HA2	1:58:A:VAL:H	6	0.25
(1,517)	1:59:A:GLY:HA2	1:58:A:VAL:H	7	0.25
(1,517)	1:59:A:GLY:HA2	1:58:A:VAL:H	8	0.25
(1,516)	1:58:A:VAL:HB	1:57:A:ASN:H	9	0.25
(1,268)	1:52:A:THR:HB	1:52:A:THR:H	4	0.25
(1,268)	1:52:A:THR:HB	1:52:A:THR:H	5	0.25
(1,268)	1:52:A:THR:HB	1:52:A:THR:H	9	0.25
(1,268)	1:52:A:THR:HB	1:52:A:THR:H	10	0.25
(1,75)	1:83:A:LEU:HG	1:83:A:LEU:H	5	0.25
(1,46)	1:61:A:GLN:HG2	1:61:A:GLN:H	9	0.25
(1,46)	1:61:A:GLN:HG3	1:61:A:GLN:H	9	0.25
(1,1206)	1:37:A:MET:HE1	1:139:A:PHE:HD1	10	0.24
(1,1206)	1:37:A:MET:HE2	1:139:A:PHE:HD1	10	0.24
(1,1206)	1:37:A:MET:HE3	1:139:A:PHE:HD1	10	0.24
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD11	5	0.24
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD12	5	0.24
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD13	5	0.24
(1,1137)	1:111:A:ILE:HD11	1:20:A:PHE:HD1	9	0.24
(1,1137)	1:111:A:ILE:HD12	1:20:A:PHE:HD1	9	0.24
(1,1137)	1:111:A:ILE:HD13	1:20:A:PHE:HD1	9	0.24
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD11	2	0.24
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD12	2	0.24
(1,1039)	1:24:A:LEU:HD11	1:101:A:ILE:HD13	2	0.24
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD11	2	0.24
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD12	2	0.24
(1,1039)	1:24:A:LEU:HD12	1:101:A:ILE:HD13	2	0.24
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD11	2	0.24
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD12	2	0.24
(1,1039)	1:24:A:LEU:HD13	1:101:A:ILE:HD13	2	0.24
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD11	9	0.24
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD12	9	0.24
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD13	9	0.24
(1,997)	1:60:A:ASN:HA	1:69:A:MET:HE1	1	0.24
(1,997)	1:60:A:ASN:HA	1:69:A:MET:HE2	1	0.24
(1,997)	1:60:A:ASN:HA	1:69:A:MET:HE3	1	0.24
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB1	7	0.24
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB2	7	0.24
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB3	7	0.24
(1,858)	1:79:A:TYR:HA	1:82:A:THR:HG21	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:79:A:TYR:HA	1:82:A:THR:HG22	7	0.24
(1,858)	1:79:A:TYR:HA	1:82:A:THR:HG23	7	0.24
(1,823)	1:73:A:LEU:HD21	1:52:A:THR:HG21	5	0.24
(1,823)	1:73:A:LEU:HD21	1:52:A:THR:HG22	5	0.24
(1,823)	1:73:A:LEU:HD21	1:52:A:THR:HG23	5	0.24
(1,823)	1:73:A:LEU:HD22	1:52:A:THR:HG21	5	0.24
(1,823)	1:73:A:LEU:HD22	1:52:A:THR:HG22	5	0.24
(1,823)	1:73:A:LEU:HD22	1:52:A:THR:HG23	5	0.24
(1,823)	1:73:A:LEU:HD23	1:52:A:THR:HG21	5	0.24
(1,823)	1:73:A:LEU:HD23	1:52:A:THR:HG22	5	0.24
(1,823)	1:73:A:LEU:HD23	1:52:A:THR:HG23	5	0.24
(1,801)	1:119:A:ALA:HB1	1:20:A:PHE:HD1	7	0.24
(1,801)	1:119:A:ALA:HB2	1:20:A:PHE:HD1	7	0.24
(1,801)	1:119:A:ALA:HB3	1:20:A:PHE:HD1	7	0.24
(1,708)	1:87:A:ILE:HD11	1:47:A:ALA:H	8	0.24
(1,708)	1:87:A:ILE:HD12	1:47:A:ALA:H	8	0.24
(1,708)	1:87:A:ILE:HD13	1:47:A:ALA:H	8	0.24
(1,704)	1:72:A:LEU:HD21	1:105:A:LEU:H	3	0.24
(1,704)	1:72:A:LEU:HD22	1:105:A:LEU:H	3	0.24
(1,704)	1:72:A:LEU:HD23	1:105:A:LEU:H	3	0.24
(1,664)	1:71:A:SER:HA	1:75:A:ALA:H	8	0.24
(1,654)	1:33:A:ASP:HA	1:37:A:MET:H	5	0.24
(1,628)	1:104:A:VAL:HG21	1:107:A:ASN:H	4	0.24
(1,628)	1:104:A:VAL:HG22	1:107:A:ASN:H	4	0.24
(1,628)	1:104:A:VAL:HG23	1:107:A:ASN:H	4	0.24
(1,555)	1:54:A:VAL:HG11	1:56:A:GLN:H	3	0.24
(1,555)	1:54:A:VAL:HG12	1:56:A:GLN:H	3	0.24
(1,555)	1:54:A:VAL:HG13	1:56:A:GLN:H	3	0.24
(1,555)	1:54:A:VAL:HG11	1:56:A:GLN:H	7	0.24
(1,555)	1:54:A:VAL:HG12	1:56:A:GLN:H	7	0.24
(1,555)	1:54:A:VAL:HG13	1:56:A:GLN:H	7	0.24
(1,531)	1:34:A:PHE:HD1	1:35:A:VAL:H	4	0.24
(1,373)	1:19:A:ALA:HA	1:18:A:ASN:H	6	0.24
(1,323)	1:130:A:THR:HB	1:131:A:LEU:H	6	0.24
(1,252)	1:97:A:ILE:HB	1:97:A:ILE:H	2	0.24
(1,221)	1:101:A:ILE:HB	1:101:A:ILE:H	2	0.24
(1,221)	1:101:A:ILE:HB	1:101:A:ILE:H	7	0.24
(1,221)	1:101:A:ILE:HB	1:101:A:ILE:H	8	0.24
(1,221)	1:101:A:ILE:HB	1:101:A:ILE:H	10	0.24
(1,188)	1:41:A:THR:HB	1:41:A:THR:H	2	0.24
(1,178)	1:80:A:VAL:HB	1:80:A:VAL:H	5	0.24
(1,178)	1:80:A:VAL:HB	1:80:A:VAL:H	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:80:A:VAL:HB	1:80:A:VAL:H	10	0.24
(1,131)	1:104:A:VAL:HB	1:104:A:VAL:H	10	0.24
(1,89)	1:130:A:THR:HB	1:130:A:THR:H	10	0.24
(1,63)	1:48:A:VAL:HB	1:48:A:VAL:H	8	0.24
(1,58)	1:127:A:VAL:HB	1:127:A:VAL:H	3	0.24
(1,41)	1:50:A:VAL:HB	1:50:A:VAL:H	7	0.24
(1,28)	1:54:A:VAL:HB	1:54:A:VAL:H	2	0.24
(1,28)	1:54:A:VAL:HB	1:54:A:VAL:H	4	0.24
(1,28)	1:54:A:VAL:HB	1:54:A:VAL:H	8	0.24
(1,28)	1:54:A:VAL:HB	1:54:A:VAL:H	10	0.24
(1,1107)	1:52:A:THR:HG21	1:73:A:LEU:HD11	9	0.23
(1,1107)	1:52:A:THR:HG21	1:73:A:LEU:HD12	9	0.23
(1,1107)	1:52:A:THR:HG21	1:73:A:LEU:HD13	9	0.23
(1,1107)	1:52:A:THR:HG22	1:73:A:LEU:HD11	9	0.23
(1,1107)	1:52:A:THR:HG22	1:73:A:LEU:HD12	9	0.23
(1,1107)	1:52:A:THR:HG22	1:73:A:LEU:HD13	9	0.23
(1,1107)	1:52:A:THR:HG23	1:73:A:LEU:HD11	9	0.23
(1,1107)	1:52:A:THR:HG23	1:73:A:LEU:HD12	9	0.23
(1,1107)	1:52:A:THR:HG23	1:73:A:LEU:HD13	9	0.23
(1,1052)	1:90:A:ALA:HA	1:38:A:ILE:HD11	1	0.23
(1,1052)	1:90:A:ALA:HA	1:38:A:ILE:HD12	1	0.23
(1,1052)	1:90:A:ALA:HA	1:38:A:ILE:HD13	1	0.23
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD11	7	0.23
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD12	7	0.23
(1,1035)	1:54:A:VAL:HG21	1:101:A:ILE:HD13	7	0.23
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD11	7	0.23
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD12	7	0.23
(1,1035)	1:54:A:VAL:HG22	1:101:A:ILE:HD13	7	0.23
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD11	7	0.23
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD12	7	0.23
(1,1035)	1:54:A:VAL:HG23	1:101:A:ILE:HD13	7	0.23
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE1	5	0.23
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE2	5	0.23
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE3	5	0.23
(1,827)	1:73:A:LEU:HD11	1:52:A:THR:HG21	9	0.23
(1,827)	1:73:A:LEU:HD11	1:52:A:THR:HG22	9	0.23
(1,827)	1:73:A:LEU:HD11	1:52:A:THR:HG23	9	0.23
(1,827)	1:73:A:LEU:HD12	1:52:A:THR:HG21	9	0.23
(1,827)	1:73:A:LEU:HD12	1:52:A:THR:HG22	9	0.23
(1,827)	1:73:A:LEU:HD12	1:52:A:THR:HG23	9	0.23
(1,827)	1:73:A:LEU:HD13	1:52:A:THR:HG21	9	0.23
(1,827)	1:73:A:LEU:HD13	1:52:A:THR:HG22	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:73:A:LEU:HD13	1:52:A:THR:HG23	9	0.23
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG11	3	0.23
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG12	3	0.23
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG13	3	0.23
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG11	3	0.23
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG12	3	0.23
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG13	3	0.23
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG11	3	0.23
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG12	3	0.23
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG13	3	0.23
(1,732)	1:116:A:ALA:HB1	1:20:A:PHE:H	10	0.23
(1,732)	1:116:A:ALA:HB2	1:20:A:PHE:H	10	0.23
(1,732)	1:116:A:ALA:HB3	1:20:A:PHE:H	10	0.23
(1,730)	1:120:A:ALA:HB1	1:24:A:LEU:H	1	0.23
(1,730)	1:120:A:ALA:HB2	1:24:A:LEU:H	1	0.23
(1,730)	1:120:A:ALA:HB3	1:24:A:LEU:H	1	0.23
(1,701)	1:52:A:THR:HG21	1:77:A:SER:H	3	0.23
(1,701)	1:52:A:THR:HG22	1:77:A:SER:H	3	0.23
(1,701)	1:52:A:THR:HG23	1:77:A:SER:H	3	0.23
(1,675)	1:101:A:ILE:HG21	1:105:A:LEU:H	4	0.23
(1,675)	1:101:A:ILE:HG22	1:105:A:LEU:H	4	0.23
(1,675)	1:101:A:ILE:HG23	1:105:A:LEU:H	4	0.23
(1,640)	1:101:A:ILE:HG21	1:104:A:VAL:H	1	0.23
(1,640)	1:101:A:ILE:HG22	1:104:A:VAL:H	1	0.23
(1,640)	1:101:A:ILE:HG23	1:104:A:VAL:H	1	0.23
(1,640)	1:101:A:ILE:HG21	1:104:A:VAL:H	5	0.23
(1,640)	1:101:A:ILE:HG22	1:104:A:VAL:H	5	0.23
(1,640)	1:101:A:ILE:HG23	1:104:A:VAL:H	5	0.23
(1,268)	1:52:A:THR:HB	1:52:A:THR:H	2	0.23
(1,221)	1:101:A:ILE:HB	1:101:A:ILE:H	4	0.23
(1,221)	1:101:A:ILE:HB	1:101:A:ILE:H	5	0.23
(1,188)	1:41:A:THR:HB	1:41:A:THR:H	8	0.23
(1,188)	1:41:A:THR:HB	1:41:A:THR:H	9	0.23
(1,178)	1:80:A:VAL:HB	1:80:A:VAL:H	1	0.23
(1,178)	1:80:A:VAL:HB	1:80:A:VAL:H	2	0.23
(1,178)	1:80:A:VAL:HB	1:80:A:VAL:H	6	0.23
(1,178)	1:80:A:VAL:HB	1:80:A:VAL:H	8	0.23
(1,178)	1:80:A:VAL:HB	1:80:A:VAL:H	9	0.23
(1,144)	1:35:A:VAL:HB	1:35:A:VAL:H	2	0.23
(1,144)	1:35:A:VAL:HB	1:35:A:VAL:H	3	0.23
(1,144)	1:35:A:VAL:HB	1:35:A:VAL:H	4	0.23
(1,144)	1:35:A:VAL:HB	1:35:A:VAL:H	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:35:A:VAL:HB	1:35:A:VAL:H	6	0.23
(1,144)	1:35:A:VAL:HB	1:35:A:VAL:H	7	0.23
(1,144)	1:35:A:VAL:HB	1:35:A:VAL:H	8	0.23
(1,144)	1:35:A:VAL:HB	1:35:A:VAL:H	9	0.23
(1,131)	1:104:A:VAL:HB	1:104:A:VAL:H	2	0.23
(1,131)	1:104:A:VAL:HB	1:104:A:VAL:H	3	0.23
(1,131)	1:104:A:VAL:HB	1:104:A:VAL:H	8	0.23
(1,116)	1:129:A:THR:HB	1:129:A:THR:H	2	0.23
(1,116)	1:129:A:THR:HB	1:129:A:THR:H	6	0.23
(1,116)	1:129:A:THR:HB	1:129:A:THR:H	8	0.23
(1,89)	1:130:A:THR:HB	1:130:A:THR:H	5	0.23
(1,63)	1:48:A:VAL:HB	1:48:A:VAL:H	4	0.23
(1,63)	1:48:A:VAL:HB	1:48:A:VAL:H	6	0.23
(1,63)	1:48:A:VAL:HB	1:48:A:VAL:H	7	0.23
(1,63)	1:48:A:VAL:HB	1:48:A:VAL:H	10	0.23
(1,58)	1:127:A:VAL:HB	1:127:A:VAL:H	5	0.23
(1,28)	1:54:A:VAL:HB	1:54:A:VAL:H	1	0.23
(1,28)	1:54:A:VAL:HB	1:54:A:VAL:H	5	0.23
(1,28)	1:54:A:VAL:HB	1:54:A:VAL:H	6	0.23
(1,28)	1:54:A:VAL:HB	1:54:A:VAL:H	9	0.23
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB1	6	0.22
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB2	6	0.22
(1,1186)	1:79:A:TYR:HE1	1:100:A:ALA:HB3	6	0.22
(1,1173)	1:100:A:ALA:HB1	1:79:A:TYR:HE1	6	0.22
(1,1173)	1:100:A:ALA:HB2	1:79:A:TYR:HE1	6	0.22
(1,1173)	1:100:A:ALA:HB3	1:79:A:TYR:HE1	6	0.22
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD11	4	0.22
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD12	4	0.22
(1,1142)	1:94:A:ALA:HB1	1:28:A:LEU:HD13	4	0.22
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD11	4	0.22
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD12	4	0.22
(1,1142)	1:94:A:ALA:HB2	1:28:A:LEU:HD13	4	0.22
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD11	4	0.22
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD12	4	0.22
(1,1142)	1:94:A:ALA:HB3	1:28:A:LEU:HD13	4	0.22
(1,1064)	1:51:A:ALA:HA	1:54:A:VAL:HB	4	0.22
(1,1044)	1:69:A:MET:HB2	1:56:A:GLN:HG2	7	0.22
(1,1044)	1:69:A:MET:HB2	1:56:A:GLN:HG3	7	0.22
(1,1044)	1:69:A:MET:HB3	1:56:A:GLN:HG2	7	0.22
(1,1044)	1:69:A:MET:HB3	1:56:A:GLN:HG3	7	0.22
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB1	4	0.22
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB2	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:28:A:LEU:HD11	1:94:A:ALA:HB3	4	0.22
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB1	4	0.22
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB2	4	0.22
(1,967)	1:28:A:LEU:HD12	1:94:A:ALA:HB3	4	0.22
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB1	4	0.22
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB2	4	0.22
(1,967)	1:28:A:LEU:HD13	1:94:A:ALA:HB3	4	0.22
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB1	3	0.22
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB2	3	0.22
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB3	3	0.22
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB1	3	0.22
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB2	3	0.22
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB3	3	0.22
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB1	3	0.22
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB2	3	0.22
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB3	3	0.22
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG21	10	0.22
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG22	10	0.22
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG23	10	0.22
(1,858)	1:79:A:TYR:HA	1:82:A:THR:HG21	4	0.22
(1,858)	1:79:A:TYR:HA	1:82:A:THR:HG22	4	0.22
(1,858)	1:79:A:TYR:HA	1:82:A:THR:HG23	4	0.22
(1,702)	1:104:A:VAL:HG21	1:72:A:LEU:H	1	0.22
(1,702)	1:104:A:VAL:HG22	1:72:A:LEU:H	1	0.22
(1,702)	1:104:A:VAL:HG23	1:72:A:LEU:H	1	0.22
(1,702)	1:104:A:VAL:HG11	1:72:A:LEU:H	1	0.22
(1,702)	1:104:A:VAL:HG12	1:72:A:LEU:H	1	0.22
(1,702)	1:104:A:VAL:HG13	1:72:A:LEU:H	1	0.22
(1,660)	1:68:A:ALA:HB1	1:64:A:LEU:H	8	0.22
(1,660)	1:68:A:ALA:HB2	1:64:A:LEU:H	8	0.22
(1,660)	1:68:A:ALA:HB3	1:64:A:LEU:H	8	0.22
(1,539)	1:140:A:TYR:HD1	1:141:A:ALA:H	2	0.22
(1,534)	1:97:A:ILE:HD11	1:96:A:ALA:H	2	0.22
(1,534)	1:97:A:ILE:HD12	1:96:A:ALA:H	2	0.22
(1,534)	1:97:A:ILE:HD13	1:96:A:ALA:H	2	0.22
(1,531)	1:34:A:PHE:HD1	1:35:A:VAL:H	3	0.22
(1,517)	1:59:A:GLY:HA2	1:58:A:VAL:H	3	0.22
(1,516)	1:58:A:VAL:HB	1:57:A:ASN:H	7	0.22
(1,362)	1:65:A:ASP:HB2	1:66:A:ALA:H	5	0.22
(1,362)	1:65:A:ASP:HB3	1:66:A:ALA:H	5	0.22
(1,269)	1:108:A:SER:HB3	1:108:A:SER:H	6	0.22
(1,268)	1:52:A:THR:HB	1:52:A:THR:H	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:97:A:ILE:HB	1:97:A:ILE:H	7	0.22
(1,144)	1:35:A:VAL:HB	1:35:A:VAL:H	10	0.22
(1,28)	1:54:A:VAL:HB	1:54:A:VAL:H	3	0.22
(1,28)	1:54:A:VAL:HB	1:54:A:VAL:H	7	0.22
(1,1172)	1:99:A:SER:HB2	1:79:A:TYR:HE1	3	0.21
(1,1172)	1:99:A:SER:HB3	1:79:A:TYR:HE1	3	0.21
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG21	6	0.21
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG22	6	0.21
(1,982)	1:80:A:VAL:HG11	1:97:A:ILE:HG23	6	0.21
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG21	6	0.21
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG22	6	0.21
(1,982)	1:80:A:VAL:HG12	1:97:A:ILE:HG23	6	0.21
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG21	6	0.21
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG22	6	0.21
(1,982)	1:80:A:VAL:HG13	1:97:A:ILE:HG23	6	0.21
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB1	9	0.21
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB2	9	0.21
(1,939)	1:64:A:LEU:HG	1:68:A:ALA:HB3	9	0.21
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG21	9	0.21
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG22	9	0.21
(1,872)	1:29:A:LEU:HG	1:54:A:VAL:HG23	9	0.21
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG11	6	0.21
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG12	6	0.21
(1,758)	1:97:A:ILE:HG21	1:80:A:VAL:HG13	6	0.21
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG11	6	0.21
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG12	6	0.21
(1,758)	1:97:A:ILE:HG22	1:80:A:VAL:HG13	6	0.21
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG11	6	0.21
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG12	6	0.21
(1,758)	1:97:A:ILE:HG23	1:80:A:VAL:HG13	6	0.21
(1,596)	1:106:A:ALA:HB1	1:103:A:ASN:H	2	0.21
(1,596)	1:106:A:ALA:HB2	1:103:A:ASN:H	2	0.21
(1,596)	1:106:A:ALA:HB3	1:103:A:ASN:H	2	0.21
(1,552)	1:44:A:THR:HB	1:46:A:GLN:H	8	0.21
(1,539)	1:140:A:TYR:HD1	1:141:A:ALA:H	6	0.21
(1,358)	1:44:A:THR:HB	1:45:A:ASP:H	5	0.21
(1,291)	1:69:A:MET:HE1	1:69:A:MET:H	7	0.21
(1,291)	1:69:A:MET:HE2	1:69:A:MET:H	7	0.21
(1,291)	1:69:A:MET:HE3	1:69:A:MET:H	7	0.21
(1,268)	1:52:A:THR:HB	1:52:A:THR:H	1	0.21
(1,237)	1:87:A:ILE:HB	1:87:A:ILE:H	5	0.21
(1,116)	1:129:A:THR:HB	1:129:A:THR:H	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:53:A:SER:HB3	1:53:A:SER:H	4	0.21
(1,85)	1:46:A:GLN:HG2	1:46:A:GLN:H	1	0.21
(1,85)	1:46:A:GLN:HG3	1:46:A:GLN:H	1	0.21
(1,1153)	1:40:A:SER:HB2	1:36:A:GLN:HG2	7	0.2
(1,1153)	1:40:A:SER:HB2	1:36:A:GLN:HG3	7	0.2
(1,1153)	1:40:A:SER:HB3	1:36:A:GLN:HG2	7	0.2
(1,1153)	1:40:A:SER:HB3	1:36:A:GLN:HG3	7	0.2
(1,1127)	1:137:A:ALA:HB1	1:140:A:TYR:HD1	7	0.2
(1,1127)	1:137:A:ALA:HB2	1:140:A:TYR:HD1	7	0.2
(1,1127)	1:137:A:ALA:HB3	1:140:A:TYR:HD1	7	0.2
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE1	8	0.2
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE2	8	0.2
(1,1000)	1:59:A:GLY:HA2	1:69:A:MET:HE3	8	0.2
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB1	4	0.2
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB2	4	0.2
(1,954)	1:79:A:TYR:HD1	1:100:A:ALA:HB3	4	0.2
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG21	1	0.2
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG22	1	0.2
(1,826)	1:76:A:VAL:HB	1:52:A:THR:HG23	1	0.2
(1,785)	1:100:A:ALA:HB1	1:79:A:TYR:HD1	4	0.2
(1,785)	1:100:A:ALA:HB2	1:79:A:TYR:HD1	4	0.2
(1,785)	1:100:A:ALA:HB3	1:79:A:TYR:HD1	4	0.2
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG11	7	0.2
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG12	7	0.2
(1,777)	1:54:A:VAL:HG21	1:58:A:VAL:HG13	7	0.2
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG11	7	0.2
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG12	7	0.2
(1,777)	1:54:A:VAL:HG22	1:58:A:VAL:HG13	7	0.2
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG11	7	0.2
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG12	7	0.2
(1,777)	1:54:A:VAL:HG23	1:58:A:VAL:HG13	7	0.2
(1,704)	1:72:A:LEU:HD21	1:105:A:LEU:H	2	0.2
(1,704)	1:72:A:LEU:HD22	1:105:A:LEU:H	2	0.2
(1,704)	1:72:A:LEU:HD23	1:105:A:LEU:H	2	0.2
(1,323)	1:130:A:THR:HB	1:131:A:LEU:H	8	0.2
(1,221)	1:101:A:ILE:HB	1:101:A:ILE:H	1	0.2
(1,70)	1:79:A:TYR:HD1	1:79:A:TYR:H	3	0.2
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG21	8	0.19
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG22	8	0.19
(1,1185)	1:28:A:LEU:HD11	1:97:A:ILE:HG23	8	0.19
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG21	8	0.19
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG22	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:28:A:LEU:HD12	1:97:A:ILE:HG23	8	0.19
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG21	8	0.19
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG22	8	0.19
(1,1185)	1:28:A:LEU:HD13	1:97:A:ILE:HG23	8	0.19
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD11	5	0.19
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD12	5	0.19
(1,1143)	1:24:A:LEU:HG	1:28:A:LEU:HD13	5	0.19
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD11	8	0.19
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD12	8	0.19
(1,1141)	1:97:A:ILE:HG21	1:28:A:LEU:HD13	8	0.19
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD11	8	0.19
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD12	8	0.19
(1,1141)	1:97:A:ILE:HG22	1:28:A:LEU:HD13	8	0.19
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD11	8	0.19
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD12	8	0.19
(1,1141)	1:97:A:ILE:HG23	1:28:A:LEU:HD13	8	0.19
(1,1139)	1:116:A:ALA:HA	1:20:A:PHE:HD1	1	0.19
(1,1116)	1:127:A:VAL:HG21	1:34:A:PHE:HD1	5	0.19
(1,1116)	1:127:A:VAL:HG22	1:34:A:PHE:HD1	5	0.19
(1,1116)	1:127:A:VAL:HG23	1:34:A:PHE:HD1	5	0.19
(1,1056)	1:101:A:ILE:HD11	1:55:A:ALA:HA	8	0.19
(1,1056)	1:101:A:ILE:HD12	1:55:A:ALA:HA	8	0.19
(1,1056)	1:101:A:ILE:HD13	1:55:A:ALA:HA	8	0.19
(1,1044)	1:69:A:MET:HB2	1:56:A:GLN:HG2	8	0.19
(1,1044)	1:69:A:MET:HB2	1:56:A:GLN:HG3	8	0.19
(1,1044)	1:69:A:MET:HB3	1:56:A:GLN:HG2	8	0.19
(1,1044)	1:69:A:MET:HB3	1:56:A:GLN:HG3	8	0.19
(1,773)	1:97:A:ILE:HG21	1:76:A:VAL:HG11	9	0.19
(1,773)	1:97:A:ILE:HG21	1:76:A:VAL:HG12	9	0.19
(1,773)	1:97:A:ILE:HG21	1:76:A:VAL:HG13	9	0.19
(1,773)	1:97:A:ILE:HG22	1:76:A:VAL:HG11	9	0.19
(1,773)	1:97:A:ILE:HG22	1:76:A:VAL:HG12	9	0.19
(1,773)	1:97:A:ILE:HG22	1:76:A:VAL:HG13	9	0.19
(1,773)	1:97:A:ILE:HG23	1:76:A:VAL:HG11	9	0.19
(1,773)	1:97:A:ILE:HG23	1:76:A:VAL:HG12	9	0.19
(1,773)	1:97:A:ILE:HG23	1:76:A:VAL:HG13	9	0.19
(1,744)	1:81:A:SER:HB2	1:48:A:VAL:HG11	5	0.19
(1,744)	1:81:A:SER:HB2	1:48:A:VAL:HG12	5	0.19
(1,744)	1:81:A:SER:HB2	1:48:A:VAL:HG13	5	0.19
(1,744)	1:81:A:SER:HB3	1:48:A:VAL:HG11	5	0.19
(1,744)	1:81:A:SER:HB3	1:48:A:VAL:HG12	5	0.19
(1,744)	1:81:A:SER:HB3	1:48:A:VAL:HG13	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:100:A:ALA:HB1	1:79:A:TYR:H	2	0.19
(1,695)	1:100:A:ALA:HB2	1:79:A:TYR:H	2	0.19
(1,695)	1:100:A:ALA:HB3	1:79:A:TYR:H	2	0.19
(1,691)	1:83:A:LEU:HD21	1:96:A:ALA:H	4	0.19
(1,691)	1:83:A:LEU:HD22	1:96:A:ALA:H	4	0.19
(1,691)	1:83:A:LEU:HD23	1:96:A:ALA:H	4	0.19
(1,691)	1:83:A:LEU:HD11	1:96:A:ALA:H	4	0.19
(1,691)	1:83:A:LEU:HD12	1:96:A:ALA:H	4	0.19
(1,691)	1:83:A:LEU:HD13	1:96:A:ALA:H	4	0.19
(1,655)	1:44:A:THR:HA	1:48:A:VAL:H	7	0.19
(1,621)	1:52:A:THR:HG21	1:55:A:ALA:H	2	0.19
(1,621)	1:52:A:THR:HG22	1:55:A:ALA:H	2	0.19
(1,621)	1:52:A:THR:HG23	1:55:A:ALA:H	2	0.19
(1,438)	1:111:A:ILE:HA	1:112:A:SER:H	5	0.19
(1,304)	1:140:A:TYR:HA	1:141:A:ALA:H	3	0.19
(1,304)	1:140:A:TYR:HA	1:141:A:ALA:H	8	0.19
(1,103)	1:53:A:SER:HB3	1:53:A:SER:H	2	0.19
(1,103)	1:53:A:SER:HB3	1:53:A:SER:H	9	0.19
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG11	2	0.18
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG12	2	0.18
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG13	2	0.18
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG11	2	0.18
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG12	2	0.18
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG13	2	0.18
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG11	2	0.18
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG12	2	0.18
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG13	2	0.18
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE1	8	0.18
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE2	8	0.18
(1,1010)	1:38:A:ILE:HG21	1:37:A:MET:HE3	8	0.18
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE1	8	0.18
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE2	8	0.18
(1,1010)	1:38:A:ILE:HG22	1:37:A:MET:HE3	8	0.18
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE1	8	0.18
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE2	8	0.18
(1,1010)	1:38:A:ILE:HG23	1:37:A:MET:HE3	8	0.18
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE1	9	0.18
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE2	9	0.18
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE3	9	0.18
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE1	9	0.18
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE2	9	0.18
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE3	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE1	9	0.18
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE2	9	0.18
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE3	9	0.18
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE1	3	0.18
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE2	3	0.18
(1,1001)	1:56:A:GLN:HA	1:69:A:MET:HE3	3	0.18
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG21	8	0.18
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG22	8	0.18
(1,977)	1:37:A:MET:HE1	1:38:A:ILE:HG23	8	0.18
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG21	8	0.18
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG22	8	0.18
(1,977)	1:37:A:MET:HE2	1:38:A:ILE:HG23	8	0.18
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG21	8	0.18
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG22	8	0.18
(1,977)	1:37:A:MET:HE3	1:38:A:ILE:HG23	8	0.18
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB1	4	0.18
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB2	4	0.18
(1,911)	1:79:A:TYR:HE1	1:75:A:ALA:HB3	4	0.18
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB1	2	0.18
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB2	2	0.18
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB3	2	0.18
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG21	2	0.18
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG22	2	0.18
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG23	2	0.18
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG21	2	0.18
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG22	2	0.18
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG23	2	0.18
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG21	2	0.18
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG22	2	0.18
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG23	2	0.18
(1,834)	1:46:A:GLN:HB2	1:41:A:THR:HG21	6	0.18
(1,834)	1:46:A:GLN:HB2	1:41:A:THR:HG22	6	0.18
(1,834)	1:46:A:GLN:HB2	1:41:A:THR:HG23	6	0.18
(1,834)	1:46:A:GLN:HB3	1:41:A:THR:HG21	6	0.18
(1,834)	1:46:A:GLN:HB3	1:41:A:THR:HG22	6	0.18
(1,834)	1:46:A:GLN:HB3	1:41:A:THR:HG23	6	0.18
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG11	9	0.18
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG12	9	0.18
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG13	9	0.18
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG11	9	0.18
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG12	9	0.18
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG13	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG11	9	0.18
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG12	9	0.18
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG13	9	0.18
(1,733)	1:131:A:LEU:HD11	1:34:A:PHE:H	2	0.18
(1,733)	1:131:A:LEU:HD12	1:34:A:PHE:H	2	0.18
(1,733)	1:131:A:LEU:HD13	1:34:A:PHE:H	2	0.18
(1,724)	1:29:A:LEU:HD11	1:95:A:ASN:H	9	0.18
(1,724)	1:29:A:LEU:HD12	1:95:A:ASN:H	9	0.18
(1,724)	1:29:A:LEU:HD13	1:95:A:ASN:H	9	0.18
(1,695)	1:100:A:ALA:HB1	1:79:A:TYR:H	1	0.18
(1,695)	1:100:A:ALA:HB2	1:79:A:TYR:H	1	0.18
(1,695)	1:100:A:ALA:HB3	1:79:A:TYR:H	1	0.18
(1,655)	1:44:A:THR:HA	1:48:A:VAL:H	9	0.18
(1,621)	1:52:A:THR:HG21	1:55:A:ALA:H	4	0.18
(1,621)	1:52:A:THR:HG22	1:55:A:ALA:H	4	0.18
(1,621)	1:52:A:THR:HG23	1:55:A:ALA:H	4	0.18
(1,549)	1:29:A:LEU:HD21	1:31:A:SER:H	3	0.18
(1,549)	1:29:A:LEU:HD22	1:31:A:SER:H	3	0.18
(1,549)	1:29:A:LEU:HD23	1:31:A:SER:H	3	0.18
(1,534)	1:97:A:ILE:HD11	1:96:A:ALA:H	7	0.18
(1,534)	1:97:A:ILE:HD12	1:96:A:ALA:H	7	0.18
(1,534)	1:97:A:ILE:HD13	1:96:A:ALA:H	7	0.18
(1,470)	1:41:A:THR:HA	1:42:A:THR:H	4	0.18
(1,1064)	1:51:A:ALA:HA	1:54:A:VAL:HB	6	0.17
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB1	7	0.17
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB2	7	0.17
(1,898)	1:20:A:PHE:HZ	1:123:A:ALA:HB3	7	0.17
(1,848)	1:47:A:ALA:HA	1:41:A:THR:HG21	7	0.17
(1,848)	1:47:A:ALA:HA	1:41:A:THR:HG22	7	0.17
(1,848)	1:47:A:ALA:HA	1:41:A:THR:HG23	7	0.17
(1,726)	1:111:A:ILE:HD11	1:21:A:ALA:H	9	0.17
(1,726)	1:111:A:ILE:HD12	1:21:A:ALA:H	9	0.17
(1,726)	1:111:A:ILE:HD13	1:21:A:ALA:H	9	0.17
(1,661)	1:69:A:MET:HE1	1:65:A:ASP:H	1	0.17
(1,661)	1:69:A:MET:HE2	1:65:A:ASP:H	1	0.17
(1,661)	1:69:A:MET:HE3	1:65:A:ASP:H	1	0.17
(1,621)	1:52:A:THR:HG21	1:55:A:ALA:H	1	0.17
(1,621)	1:52:A:THR:HG22	1:55:A:ALA:H	1	0.17
(1,621)	1:52:A:THR:HG23	1:55:A:ALA:H	1	0.17
(1,539)	1:140:A:TYR:HD1	1:141:A:ALA:H	7	0.17
(1,539)	1:140:A:TYR:HD1	1:141:A:ALA:H	9	0.17
(1,304)	1:140:A:TYR:HA	1:141:A:ALA:H	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:65:A:ASP:HB3	1:65:A:ASP:H	2	0.17
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD11	8	0.16
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD12	8	0.16
(1,1158)	1:34:A:PHE:HE1	1:38:A:ILE:HD13	8	0.16
(1,1120)	1:38:A:ILE:HD11	1:93:A:TYR:HD1	5	0.16
(1,1120)	1:38:A:ILE:HD12	1:93:A:TYR:HD1	5	0.16
(1,1120)	1:38:A:ILE:HD13	1:93:A:TYR:HD1	5	0.16
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD11	5	0.16
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD12	5	0.16
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD13	5	0.16
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB1	8	0.16
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB2	8	0.16
(1,953)	1:93:A:TYR:HD1	1:47:A:ALA:HB3	8	0.16
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG21	2	0.16
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG22	2	0.16
(1,861)	1:34:A:PHE:HD1	1:35:A:VAL:HG23	2	0.16
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD11	1	0.16
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD12	1	0.16
(1,799)	1:64:A:LEU:HD11	1:105:A:LEU:HD13	1	0.16
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD11	1	0.16
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD12	1	0.16
(1,799)	1:64:A:LEU:HD12	1:105:A:LEU:HD13	1	0.16
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD11	1	0.16
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD12	1	0.16
(1,799)	1:64:A:LEU:HD13	1:105:A:LEU:HD13	1	0.16
(1,737)	1:132:A:THR:HG21	1:34:A:PHE:H	1	0.16
(1,737)	1:132:A:THR:HG22	1:34:A:PHE:H	1	0.16
(1,737)	1:132:A:THR:HG23	1:34:A:PHE:H	1	0.16
(1,721)	1:29:A:LEU:HD21	1:92:A:ALA:H	10	0.16
(1,721)	1:29:A:LEU:HD22	1:92:A:ALA:H	10	0.16
(1,721)	1:29:A:LEU:HD23	1:92:A:ALA:H	10	0.16
(1,656)	1:46:A:GLN:HA	1:50:A:VAL:H	1	0.16
(1,438)	1:111:A:ILE:HA	1:112:A:SER:H	6	0.16
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG11	5	0.15
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG12	5	0.15
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG13	5	0.15
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG11	5	0.15
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG12	5	0.15
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG13	5	0.15
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG11	5	0.15
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG12	5	0.15
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG13	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1182)	1:87:A:ILE:HG21	1:93:A:TYR:HD1	3	0.15
(1,1182)	1:87:A:ILE:HG22	1:93:A:TYR:HD1	3	0.15
(1,1182)	1:87:A:ILE:HG23	1:93:A:TYR:HD1	3	0.15
(1,1137)	1:111:A:ILE:HD11	1:20:A:PHE:HD1	3	0.15
(1,1137)	1:111:A:ILE:HD12	1:20:A:PHE:HD1	3	0.15
(1,1137)	1:111:A:ILE:HD13	1:20:A:PHE:HD1	3	0.15
(1,1120)	1:38:A:ILE:HD11	1:93:A:TYR:HD1	9	0.15
(1,1120)	1:38:A:ILE:HD12	1:93:A:TYR:HD1	9	0.15
(1,1120)	1:38:A:ILE:HD13	1:93:A:TYR:HD1	9	0.15
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD11	9	0.15
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD12	9	0.15
(1,1045)	1:93:A:TYR:HD1	1:38:A:ILE:HD13	9	0.15
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD11	3	0.15
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD12	3	0.15
(1,1022)	1:20:A:PHE:HD1	1:111:A:ILE:HD13	3	0.15
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE1	4	0.15
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE2	4	0.15
(1,998)	1:56:A:GLN:HB2	1:69:A:MET:HE3	4	0.15
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE1	4	0.15
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE2	4	0.15
(1,998)	1:56:A:GLN:HB3	1:69:A:MET:HE3	4	0.15
(1,896)	1:24:A:LEU:HD21	1:123:A:ALA:HB1	2	0.15
(1,896)	1:24:A:LEU:HD21	1:123:A:ALA:HB2	2	0.15
(1,896)	1:24:A:LEU:HD21	1:123:A:ALA:HB3	2	0.15
(1,896)	1:24:A:LEU:HD22	1:123:A:ALA:HB1	2	0.15
(1,896)	1:24:A:LEU:HD22	1:123:A:ALA:HB2	2	0.15
(1,896)	1:24:A:LEU:HD22	1:123:A:ALA:HB3	2	0.15
(1,896)	1:24:A:LEU:HD23	1:123:A:ALA:HB1	2	0.15
(1,896)	1:24:A:LEU:HD23	1:123:A:ALA:HB2	2	0.15
(1,896)	1:24:A:LEU:HD23	1:123:A:ALA:HB3	2	0.15
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG21	8	0.15
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG22	8	0.15
(1,882)	1:130:A:THR:HG21	1:138:A:VAL:HG23	8	0.15
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG21	8	0.15
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG22	8	0.15
(1,882)	1:130:A:THR:HG22	1:138:A:VAL:HG23	8	0.15
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG21	8	0.15
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG22	8	0.15
(1,882)	1:130:A:THR:HG23	1:138:A:VAL:HG23	8	0.15
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD11	4	0.15
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD12	4	0.15
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD13	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD11	4	0.15
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD12	4	0.15
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD13	4	0.15
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD11	4	0.15
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD12	4	0.15
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD13	4	0.15
(1,812)	1:138:A:VAL:HG11	1:130:A:THR:HG21	8	0.15
(1,812)	1:138:A:VAL:HG11	1:130:A:THR:HG22	8	0.15
(1,812)	1:138:A:VAL:HG11	1:130:A:THR:HG23	8	0.15
(1,812)	1:138:A:VAL:HG12	1:130:A:THR:HG21	8	0.15
(1,812)	1:138:A:VAL:HG12	1:130:A:THR:HG22	8	0.15
(1,812)	1:138:A:VAL:HG12	1:130:A:THR:HG23	8	0.15
(1,812)	1:138:A:VAL:HG13	1:130:A:THR:HG21	8	0.15
(1,812)	1:138:A:VAL:HG13	1:130:A:THR:HG22	8	0.15
(1,812)	1:138:A:VAL:HG13	1:130:A:THR:HG23	8	0.15
(1,812)	1:138:A:VAL:HG21	1:130:A:THR:HG21	8	0.15
(1,812)	1:138:A:VAL:HG21	1:130:A:THR:HG22	8	0.15
(1,812)	1:138:A:VAL:HG21	1:130:A:THR:HG23	8	0.15
(1,812)	1:138:A:VAL:HG22	1:130:A:THR:HG21	8	0.15
(1,812)	1:138:A:VAL:HG22	1:130:A:THR:HG22	8	0.15
(1,812)	1:138:A:VAL:HG22	1:130:A:THR:HG23	8	0.15
(1,812)	1:138:A:VAL:HG23	1:130:A:THR:HG21	8	0.15
(1,812)	1:138:A:VAL:HG23	1:130:A:THR:HG22	8	0.15
(1,812)	1:138:A:VAL:HG23	1:130:A:THR:HG23	8	0.15
(1,760)	1:123:A:ALA:HB1	1:24:A:LEU:HD21	2	0.15
(1,760)	1:123:A:ALA:HB1	1:24:A:LEU:HD22	2	0.15
(1,760)	1:123:A:ALA:HB1	1:24:A:LEU:HD23	2	0.15
(1,760)	1:123:A:ALA:HB2	1:24:A:LEU:HD21	2	0.15
(1,760)	1:123:A:ALA:HB2	1:24:A:LEU:HD22	2	0.15
(1,760)	1:123:A:ALA:HB2	1:24:A:LEU:HD23	2	0.15
(1,760)	1:123:A:ALA:HB3	1:24:A:LEU:HD21	2	0.15
(1,760)	1:123:A:ALA:HB3	1:24:A:LEU:HD22	2	0.15
(1,760)	1:123:A:ALA:HB3	1:24:A:LEU:HD23	2	0.15
(1,677)	1:41:A:THR:HG21	1:46:A:GLN:H	8	0.15
(1,677)	1:41:A:THR:HG22	1:46:A:GLN:H	8	0.15
(1,677)	1:41:A:THR:HG23	1:46:A:GLN:H	8	0.15
(1,625)	1:83:A:LEU:HB3	1:86:A:ALA:H	7	0.15
(1,612)	1:50:A:VAL:HG21	1:53:A:SER:H	2	0.15
(1,612)	1:50:A:VAL:HG22	1:53:A:SER:H	2	0.15
(1,612)	1:50:A:VAL:HG23	1:53:A:SER:H	2	0.15
(1,552)	1:44:A:THR:HB	1:46:A:GLN:H	6	0.15
(1,1204)	1:134:A:TYR:HD1	1:138:A:VAL:HG11	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1204)	1:134:A:TYR:HD1	1:138:A:VAL:HG12	1	0.14
(1,1204)	1:134:A:TYR:HD1	1:138:A:VAL:HG13	1	0.14
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG11	3	0.14
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG12	3	0.14
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG13	3	0.14
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG11	3	0.14
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG12	3	0.14
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG13	3	0.14
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG11	3	0.14
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG12	3	0.14
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG13	3	0.14
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG11	10	0.14
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG12	10	0.14
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG13	10	0.14
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG11	10	0.14
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG12	10	0.14
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG13	10	0.14
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG11	10	0.14
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG12	10	0.14
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG13	10	0.14
(1,1200)	1:138:A:VAL:HG11	1:134:A:TYR:HD1	1	0.14
(1,1200)	1:138:A:VAL:HG12	1:134:A:TYR:HD1	1	0.14
(1,1200)	1:138:A:VAL:HG13	1:134:A:TYR:HD1	1	0.14
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG21	10	0.14
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG22	10	0.14
(1,1177)	1:44:A:THR:HG21	1:87:A:ILE:HG23	10	0.14
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG21	10	0.14
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG22	10	0.14
(1,1177)	1:44:A:THR:HG22	1:87:A:ILE:HG23	10	0.14
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG21	10	0.14
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG22	10	0.14
(1,1177)	1:44:A:THR:HG23	1:87:A:ILE:HG23	10	0.14
(1,1161)	1:41:A:THR:HG21	1:46:A:GLN:HG2	6	0.14
(1,1161)	1:41:A:THR:HG21	1:46:A:GLN:HG3	6	0.14
(1,1161)	1:41:A:THR:HG22	1:46:A:GLN:HG2	6	0.14
(1,1161)	1:41:A:THR:HG22	1:46:A:GLN:HG3	6	0.14
(1,1161)	1:41:A:THR:HG23	1:46:A:GLN:HG2	6	0.14
(1,1161)	1:41:A:THR:HG23	1:46:A:GLN:HG3	6	0.14
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD11	8	0.14
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD12	8	0.14
(1,1092)	1:69:A:MET:HE1	1:64:A:LEU:HD13	8	0.14
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD11	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD12	8	0.14
(1,1092)	1:69:A:MET:HE2	1:64:A:LEU:HD13	8	0.14
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD11	8	0.14
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD12	8	0.14
(1,1092)	1:69:A:MET:HE3	1:64:A:LEU:HD13	8	0.14
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD11	9	0.14
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD12	9	0.14
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD13	9	0.14
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD11	9	0.14
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD12	9	0.14
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD13	9	0.14
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD11	9	0.14
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD12	9	0.14
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD13	9	0.14
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE1	9	0.14
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE2	9	0.14
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE3	9	0.14
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE1	9	0.14
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE2	9	0.14
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE3	9	0.14
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE1	9	0.14
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE2	9	0.14
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE3	9	0.14
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE1	8	0.14
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE2	8	0.14
(1,1003)	1:64:A:LEU:HD11	1:69:A:MET:HE3	8	0.14
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE1	8	0.14
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE2	8	0.14
(1,1003)	1:64:A:LEU:HD12	1:69:A:MET:HE3	8	0.14
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE1	8	0.14
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE2	8	0.14
(1,1003)	1:64:A:LEU:HD13	1:69:A:MET:HE3	8	0.14
(1,984)	1:76:A:VAL:HG21	1:97:A:ILE:HG21	10	0.14
(1,984)	1:76:A:VAL:HG21	1:97:A:ILE:HG22	10	0.14
(1,984)	1:76:A:VAL:HG21	1:97:A:ILE:HG23	10	0.14
(1,984)	1:76:A:VAL:HG22	1:97:A:ILE:HG21	10	0.14
(1,984)	1:76:A:VAL:HG22	1:97:A:ILE:HG22	10	0.14
(1,984)	1:76:A:VAL:HG22	1:97:A:ILE:HG23	10	0.14
(1,984)	1:76:A:VAL:HG23	1:97:A:ILE:HG21	10	0.14
(1,984)	1:76:A:VAL:HG23	1:97:A:ILE:HG22	10	0.14
(1,984)	1:76:A:VAL:HG23	1:97:A:ILE:HG23	10	0.14
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB1	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB2	10	0.14
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB3	10	0.14
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB1	10	0.14
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB2	10	0.14
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB3	10	0.14
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB1	10	0.14
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB2	10	0.14
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB3	10	0.14
(1,922)	1:18:A:ASN:HA	1:21:A:ALA:HB1	6	0.14
(1,922)	1:18:A:ASN:HA	1:21:A:ALA:HB2	6	0.14
(1,922)	1:18:A:ASN:HA	1:21:A:ALA:HB3	6	0.14
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG21	10	0.14
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG22	10	0.14
(1,849)	1:77:A:SER:HB2	1:48:A:VAL:HG23	10	0.14
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG21	10	0.14
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG22	10	0.14
(1,849)	1:77:A:SER:HB3	1:48:A:VAL:HG23	10	0.14
(1,818)	1:97:A:ILE:HG21	1:76:A:VAL:HG21	10	0.14
(1,818)	1:97:A:ILE:HG21	1:76:A:VAL:HG22	10	0.14
(1,818)	1:97:A:ILE:HG21	1:76:A:VAL:HG23	10	0.14
(1,818)	1:97:A:ILE:HG22	1:76:A:VAL:HG21	10	0.14
(1,818)	1:97:A:ILE:HG22	1:76:A:VAL:HG22	10	0.14
(1,818)	1:97:A:ILE:HG22	1:76:A:VAL:HG23	10	0.14
(1,818)	1:97:A:ILE:HG23	1:76:A:VAL:HG21	10	0.14
(1,818)	1:97:A:ILE:HG23	1:76:A:VAL:HG22	10	0.14
(1,818)	1:97:A:ILE:HG23	1:76:A:VAL:HG23	10	0.14
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG21	10	0.14
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG22	10	0.14
(1,791)	1:87:A:ILE:HG21	1:44:A:THR:HG23	10	0.14
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG21	10	0.14
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG22	10	0.14
(1,791)	1:87:A:ILE:HG22	1:44:A:THR:HG23	10	0.14
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG21	10	0.14
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG22	10	0.14
(1,791)	1:87:A:ILE:HG23	1:44:A:THR:HG23	10	0.14
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD21	4	0.14
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD22	4	0.14
(1,759)	1:28:A:LEU:HD21	1:24:A:LEU:HD23	4	0.14
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD21	4	0.14
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD22	4	0.14
(1,759)	1:28:A:LEU:HD22	1:24:A:LEU:HD23	4	0.14
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD21	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD22	4	0.14
(1,759)	1:28:A:LEU:HD23	1:24:A:LEU:HD23	4	0.14
(1,702)	1:104:A:VAL:HG21	1:72:A:LEU:H	9	0.14
(1,702)	1:104:A:VAL:HG22	1:72:A:LEU:H	9	0.14
(1,702)	1:104:A:VAL:HG23	1:72:A:LEU:H	9	0.14
(1,702)	1:104:A:VAL:HG11	1:72:A:LEU:H	9	0.14
(1,702)	1:104:A:VAL:HG12	1:72:A:LEU:H	9	0.14
(1,702)	1:104:A:VAL:HG13	1:72:A:LEU:H	9	0.14
(1,693)	1:73:A:LEU:HD21	1:56:A:GLN:H	7	0.14
(1,693)	1:73:A:LEU:HD22	1:56:A:GLN:H	7	0.14
(1,693)	1:73:A:LEU:HD23	1:56:A:GLN:H	7	0.14
(1,658)	1:52:A:THR:HA	1:56:A:GLN:H	3	0.14
(1,654)	1:33:A:ASP:HA	1:37:A:MET:H	4	0.14
(1,304)	1:140:A:TYR:HA	1:141:A:ALA:H	1	0.14
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG11	1	0.13
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG12	1	0.13
(1,1203)	1:137:A:ALA:HB1	1:138:A:VAL:HG13	1	0.13
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG11	1	0.13
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG12	1	0.13
(1,1203)	1:137:A:ALA:HB2	1:138:A:VAL:HG13	1	0.13
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG11	1	0.13
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG12	1	0.13
(1,1203)	1:137:A:ALA:HB3	1:138:A:VAL:HG13	1	0.13
(1,1194)	1:111:A:ILE:HD11	1:119:A:ALA:HB1	6	0.13
(1,1194)	1:111:A:ILE:HD11	1:119:A:ALA:HB2	6	0.13
(1,1194)	1:111:A:ILE:HD11	1:119:A:ALA:HB3	6	0.13
(1,1194)	1:111:A:ILE:HD12	1:119:A:ALA:HB1	6	0.13
(1,1194)	1:111:A:ILE:HD12	1:119:A:ALA:HB2	6	0.13
(1,1194)	1:111:A:ILE:HD12	1:119:A:ALA:HB3	6	0.13
(1,1194)	1:111:A:ILE:HD13	1:119:A:ALA:HB1	6	0.13
(1,1194)	1:111:A:ILE:HD13	1:119:A:ALA:HB2	6	0.13
(1,1194)	1:111:A:ILE:HD13	1:119:A:ALA:HB3	6	0.13
(1,1115)	1:131:A:LEU:HD11	1:34:A:PHE:HD1	9	0.13
(1,1115)	1:131:A:LEU:HD12	1:34:A:PHE:HD1	9	0.13
(1,1115)	1:131:A:LEU:HD13	1:34:A:PHE:HD1	9	0.13
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD11	9	0.13
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD12	9	0.13
(1,1109)	1:34:A:PHE:HD1	1:131:A:LEU:HD13	9	0.13
(1,1018)	1:80:A:VAL:HG21	1:87:A:ILE:HD11	7	0.13
(1,1018)	1:80:A:VAL:HG21	1:87:A:ILE:HD12	7	0.13
(1,1018)	1:80:A:VAL:HG21	1:87:A:ILE:HD13	7	0.13
(1,1018)	1:80:A:VAL:HG22	1:87:A:ILE:HD11	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:80:A:VAL:HG22	1:87:A:ILE:HD12	7	0.13
(1,1018)	1:80:A:VAL:HG22	1:87:A:ILE:HD13	7	0.13
(1,1018)	1:80:A:VAL:HG23	1:87:A:ILE:HD11	7	0.13
(1,1018)	1:80:A:VAL:HG23	1:87:A:ILE:HD12	7	0.13
(1,1018)	1:80:A:VAL:HG23	1:87:A:ILE:HD13	7	0.13
(1,1018)	1:80:A:VAL:HG21	1:87:A:ILE:HD11	9	0.13
(1,1018)	1:80:A:VAL:HG21	1:87:A:ILE:HD12	9	0.13
(1,1018)	1:80:A:VAL:HG21	1:87:A:ILE:HD13	9	0.13
(1,1018)	1:80:A:VAL:HG22	1:87:A:ILE:HD11	9	0.13
(1,1018)	1:80:A:VAL:HG22	1:87:A:ILE:HD12	9	0.13
(1,1018)	1:80:A:VAL:HG22	1:87:A:ILE:HD13	9	0.13
(1,1018)	1:80:A:VAL:HG23	1:87:A:ILE:HD11	9	0.13
(1,1018)	1:80:A:VAL:HG23	1:87:A:ILE:HD12	9	0.13
(1,1018)	1:80:A:VAL:HG23	1:87:A:ILE:HD13	9	0.13
(1,1016)	1:44:A:THR:HA	1:87:A:ILE:HD11	7	0.13
(1,1016)	1:44:A:THR:HA	1:87:A:ILE:HD12	7	0.13
(1,1016)	1:44:A:THR:HA	1:87:A:ILE:HD13	7	0.13
(1,921)	1:18:A:ASN:HB2	1:21:A:ALA:HB1	9	0.13
(1,921)	1:18:A:ASN:HB2	1:21:A:ALA:HB2	9	0.13
(1,921)	1:18:A:ASN:HB2	1:21:A:ALA:HB3	9	0.13
(1,921)	1:18:A:ASN:HB3	1:21:A:ALA:HB1	9	0.13
(1,921)	1:18:A:ASN:HB3	1:21:A:ALA:HB2	9	0.13
(1,921)	1:18:A:ASN:HB3	1:21:A:ALA:HB3	9	0.13
(1,891)	1:76:A:VAL:HG21	1:51:A:ALA:HB1	3	0.13
(1,891)	1:76:A:VAL:HG21	1:51:A:ALA:HB2	3	0.13
(1,891)	1:76:A:VAL:HG21	1:51:A:ALA:HB3	3	0.13
(1,891)	1:76:A:VAL:HG22	1:51:A:ALA:HB1	3	0.13
(1,891)	1:76:A:VAL:HG22	1:51:A:ALA:HB2	3	0.13
(1,891)	1:76:A:VAL:HG22	1:51:A:ALA:HB3	3	0.13
(1,891)	1:76:A:VAL:HG23	1:51:A:ALA:HB1	3	0.13
(1,891)	1:76:A:VAL:HG23	1:51:A:ALA:HB2	3	0.13
(1,891)	1:76:A:VAL:HG23	1:51:A:ALA:HB3	3	0.13
(1,840)	1:51:A:ALA:HB1	1:76:A:VAL:HG21	3	0.13
(1,840)	1:51:A:ALA:HB1	1:76:A:VAL:HG22	3	0.13
(1,840)	1:51:A:ALA:HB1	1:76:A:VAL:HG23	3	0.13
(1,840)	1:51:A:ALA:HB2	1:76:A:VAL:HG21	3	0.13
(1,840)	1:51:A:ALA:HB2	1:76:A:VAL:HG22	3	0.13
(1,840)	1:51:A:ALA:HB2	1:76:A:VAL:HG23	3	0.13
(1,840)	1:51:A:ALA:HB3	1:76:A:VAL:HG21	3	0.13
(1,840)	1:51:A:ALA:HB3	1:76:A:VAL:HG22	3	0.13
(1,840)	1:51:A:ALA:HB3	1:76:A:VAL:HG23	3	0.13
(1,815)	1:87:A:ILE:HD11	1:80:A:VAL:HG21	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:87:A:ILE:HD11	1:80:A:VAL:HG22	7	0.13
(1,815)	1:87:A:ILE:HD11	1:80:A:VAL:HG23	7	0.13
(1,815)	1:87:A:ILE:HD12	1:80:A:VAL:HG21	7	0.13
(1,815)	1:87:A:ILE:HD12	1:80:A:VAL:HG22	7	0.13
(1,815)	1:87:A:ILE:HD12	1:80:A:VAL:HG23	7	0.13
(1,815)	1:87:A:ILE:HD13	1:80:A:VAL:HG21	7	0.13
(1,815)	1:87:A:ILE:HD13	1:80:A:VAL:HG22	7	0.13
(1,815)	1:87:A:ILE:HD13	1:80:A:VAL:HG23	7	0.13
(1,815)	1:87:A:ILE:HD11	1:80:A:VAL:HG21	9	0.13
(1,815)	1:87:A:ILE:HD11	1:80:A:VAL:HG22	9	0.13
(1,815)	1:87:A:ILE:HD11	1:80:A:VAL:HG23	9	0.13
(1,815)	1:87:A:ILE:HD12	1:80:A:VAL:HG21	9	0.13
(1,815)	1:87:A:ILE:HD12	1:80:A:VAL:HG22	9	0.13
(1,815)	1:87:A:ILE:HD12	1:80:A:VAL:HG23	9	0.13
(1,815)	1:87:A:ILE:HD13	1:80:A:VAL:HG21	9	0.13
(1,815)	1:87:A:ILE:HD13	1:80:A:VAL:HG22	9	0.13
(1,815)	1:87:A:ILE:HD13	1:80:A:VAL:HG23	9	0.13
(1,784)	1:96:A:ALA:HB1	1:79:A:TYR:HD1	9	0.13
(1,784)	1:96:A:ALA:HB2	1:79:A:TYR:HD1	9	0.13
(1,784)	1:96:A:ALA:HB3	1:79:A:TYR:HD1	9	0.13
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG11	6	0.13
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG12	6	0.13
(1,774)	1:101:A:ILE:HG12	1:76:A:VAL:HG13	6	0.13
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG11	6	0.13
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG12	6	0.13
(1,774)	1:101:A:ILE:HG13	1:76:A:VAL:HG13	6	0.13
(1,773)	1:97:A:ILE:HG21	1:76:A:VAL:HG11	3	0.13
(1,773)	1:97:A:ILE:HG21	1:76:A:VAL:HG12	3	0.13
(1,773)	1:97:A:ILE:HG21	1:76:A:VAL:HG13	3	0.13
(1,773)	1:97:A:ILE:HG22	1:76:A:VAL:HG11	3	0.13
(1,773)	1:97:A:ILE:HG22	1:76:A:VAL:HG12	3	0.13
(1,773)	1:97:A:ILE:HG22	1:76:A:VAL:HG13	3	0.13
(1,773)	1:97:A:ILE:HG23	1:76:A:VAL:HG11	3	0.13
(1,773)	1:97:A:ILE:HG23	1:76:A:VAL:HG12	3	0.13
(1,773)	1:97:A:ILE:HG23	1:76:A:VAL:HG13	3	0.13
(1,729)	1:116:A:ALA:HB1	1:21:A:ALA:H	4	0.13
(1,729)	1:116:A:ALA:HB2	1:21:A:ALA:H	4	0.13
(1,729)	1:116:A:ALA:HB3	1:21:A:ALA:H	4	0.13
(1,720)	1:29:A:LEU:HD21	1:91:A:SER:H	8	0.13
(1,720)	1:29:A:LEU:HD22	1:91:A:SER:H	8	0.13
(1,720)	1:29:A:LEU:HD23	1:91:A:SER:H	8	0.13
(1,720)	1:29:A:LEU:HD21	1:91:A:SER:H	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:29:A:LEU:HD22	1:91:A:SER:H	8	0.13
(1,720)	1:29:A:LEU:HD23	1:91:A:SER:H	8	0.13
(1,674)	1:100:A:ALA:HB1	1:104:A:VAL:H	4	0.13
(1,674)	1:100:A:ALA:HB2	1:104:A:VAL:H	4	0.13
(1,674)	1:100:A:ALA:HB3	1:104:A:VAL:H	4	0.13
(1,270)	1:91:A:SER:HB2	1:91:A:SER:H	3	0.13
(1,270)	1:91:A:SER:HB3	1:91:A:SER:H	3	0.13
(1,122)	1:49:A:SER:HB2	1:49:A:SER:H	9	0.13
(1,122)	1:49:A:SER:HB3	1:49:A:SER:H	9	0.13
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG11	2	0.12
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG12	2	0.12
(1,1189)	1:100:A:ALA:HB1	1:104:A:VAL:HG13	2	0.12
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG11	2	0.12
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG12	2	0.12
(1,1189)	1:100:A:ALA:HB2	1:104:A:VAL:HG13	2	0.12
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG11	2	0.12
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG12	2	0.12
(1,1189)	1:100:A:ALA:HB3	1:104:A:VAL:HG13	2	0.12
(1,1114)	1:37:A:MET:HE1	1:34:A:PHE:HD1	10	0.12
(1,1114)	1:37:A:MET:HE2	1:34:A:PHE:HD1	10	0.12
(1,1114)	1:37:A:MET:HE3	1:34:A:PHE:HD1	10	0.12
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD11	8	0.12
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD12	8	0.12
(1,1113)	1:97:A:ILE:HD11	1:28:A:LEU:HD13	8	0.12
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD11	8	0.12
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD12	8	0.12
(1,1113)	1:97:A:ILE:HD12	1:28:A:LEU:HD13	8	0.12
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD11	8	0.12
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD12	8	0.12
(1,1113)	1:97:A:ILE:HD13	1:28:A:LEU:HD13	8	0.12
(1,1074)	1:47:A:ALA:HB1	1:93:A:TYR:HE1	8	0.12
(1,1074)	1:47:A:ALA:HB2	1:93:A:TYR:HE1	8	0.12
(1,1074)	1:47:A:ALA:HB3	1:93:A:TYR:HE1	8	0.12
(1,1069)	1:50:A:VAL:HG11	1:140:A:TYR:HE1	2	0.12
(1,1069)	1:50:A:VAL:HG12	1:140:A:TYR:HE1	2	0.12
(1,1069)	1:50:A:VAL:HG13	1:140:A:TYR:HE1	2	0.12
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE1	8	0.12
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE2	8	0.12
(1,996)	1:68:A:ALA:HB1	1:69:A:MET:HE3	8	0.12
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE1	8	0.12
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE2	8	0.12
(1,996)	1:68:A:ALA:HB2	1:69:A:MET:HE3	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE1	8	0.12
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE2	8	0.12
(1,996)	1:68:A:ALA:HB3	1:69:A:MET:HE3	8	0.12
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB1	8	0.12
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB2	8	0.12
(1,916)	1:93:A:TYR:HE1	1:47:A:ALA:HB3	8	0.12
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG21	10	0.12
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG22	10	0.12
(1,864)	1:72:A:LEU:HA	1:104:A:VAL:HG23	10	0.12
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG11	2	0.12
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG12	2	0.12
(1,755)	1:140:A:TYR:HE1	1:50:A:VAL:HG13	2	0.12
(1,744)	1:81:A:SER:HB2	1:48:A:VAL:HG11	1	0.12
(1,744)	1:81:A:SER:HB2	1:48:A:VAL:HG12	1	0.12
(1,744)	1:81:A:SER:HB2	1:48:A:VAL:HG13	1	0.12
(1,744)	1:81:A:SER:HB3	1:48:A:VAL:HG11	1	0.12
(1,744)	1:81:A:SER:HB3	1:48:A:VAL:HG12	1	0.12
(1,744)	1:81:A:SER:HB3	1:48:A:VAL:HG13	1	0.12
(1,700)	1:76:A:VAL:HG11	1:101:A:ILE:H	2	0.12
(1,700)	1:76:A:VAL:HG12	1:101:A:ILE:H	2	0.12
(1,700)	1:76:A:VAL:HG13	1:101:A:ILE:H	2	0.12
(1,674)	1:100:A:ALA:HB1	1:104:A:VAL:H	5	0.12
(1,674)	1:100:A:ALA:HB2	1:104:A:VAL:H	5	0.12
(1,674)	1:100:A:ALA:HB3	1:104:A:VAL:H	5	0.12
(1,658)	1:52:A:THR:HA	1:56:A:GLN:H	7	0.12
(1,539)	1:140:A:TYR:HD1	1:141:A:ALA:H	8	0.12
(1,82)	1:65:A:ASP:HB3	1:65:A:ASP:H	1	0.12
(1,1121)	1:80:A:VAL:HG21	1:93:A:TYR:HD1	1	0.11
(1,1121)	1:80:A:VAL:HG22	1:93:A:TYR:HD1	1	0.11
(1,1121)	1:80:A:VAL:HG23	1:93:A:TYR:HD1	1	0.11
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB1	3	0.11
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB2	3	0.11
(1,960)	1:20:A:PHE:HD1	1:119:A:ALA:HB3	3	0.11
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB1	8	0.11
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB2	8	0.11
(1,943)	1:24:A:LEU:HA	1:124:A:ALA:HB3	8	0.11
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB1	5	0.11
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB2	5	0.11
(1,928)	1:97:A:ILE:HG21	1:55:A:ALA:HB3	5	0.11
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB1	5	0.11
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB2	5	0.11
(1,928)	1:97:A:ILE:HG22	1:55:A:ALA:HB3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB1	5	0.11
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB2	5	0.11
(1,928)	1:97:A:ILE:HG23	1:55:A:ALA:HB3	5	0.11
(1,801)	1:119:A:ALA:HB1	1:20:A:PHE:HD1	3	0.11
(1,801)	1:119:A:ALA:HB2	1:20:A:PHE:HD1	3	0.11
(1,801)	1:119:A:ALA:HB3	1:20:A:PHE:HD1	3	0.11
(1,720)	1:29:A:LEU:HD21	1:91:A:SER:H	2	0.11
(1,720)	1:29:A:LEU:HD22	1:91:A:SER:H	2	0.11
(1,720)	1:29:A:LEU:HD23	1:91:A:SER:H	2	0.11
(1,720)	1:29:A:LEU:HD21	1:91:A:SER:H	2	0.11
(1,720)	1:29:A:LEU:HD22	1:91:A:SER:H	2	0.11
(1,720)	1:29:A:LEU:HD23	1:91:A:SER:H	2	0.11
(1,710)	1:101:A:ILE:HD11	1:58:A:VAL:H	6	0.11
(1,710)	1:101:A:ILE:HD12	1:58:A:VAL:H	6	0.11
(1,710)	1:101:A:ILE:HD13	1:58:A:VAL:H	6	0.11
(1,674)	1:100:A:ALA:HB1	1:104:A:VAL:H	7	0.11
(1,674)	1:100:A:ALA:HB2	1:104:A:VAL:H	7	0.11
(1,674)	1:100:A:ALA:HB3	1:104:A:VAL:H	7	0.11
(1,621)	1:52:A:THR:HG21	1:55:A:ALA:H	5	0.11
(1,621)	1:52:A:THR:HG22	1:55:A:ALA:H	5	0.11
(1,621)	1:52:A:THR:HG23	1:55:A:ALA:H	5	0.11
(1,621)	1:52:A:THR:HG21	1:55:A:ALA:H	9	0.11
(1,621)	1:52:A:THR:HG22	1:55:A:ALA:H	9	0.11
(1,621)	1:52:A:THR:HG23	1:55:A:ALA:H	9	0.11
(1,579)	1:44:A:THR:HA	1:47:A:ALA:H	6	0.11
(1,470)	1:41:A:THR:HA	1:42:A:THR:H	8	0.11
(1,388)	1:26:A:SER:HB2	1:27:A:ASN:H	4	0.11
(1,388)	1:26:A:SER:HB3	1:27:A:ASN:H	4	0.11
(1,270)	1:91:A:SER:HB2	1:91:A:SER:H	6	0.11
(1,270)	1:91:A:SER:HB3	1:91:A:SER:H	6	0.11
(1,85)	1:46:A:GLN:HG2	1:46:A:GLN:H	4	0.11
(1,85)	1:46:A:GLN:HG3	1:46:A:GLN:H	4	0.11
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD11	4	0.1
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD12	4	0.1
(1,1046)	1:37:A:MET:HE1	1:38:A:ILE:HD13	4	0.1
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD11	4	0.1
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD12	4	0.1
(1,1046)	1:37:A:MET:HE2	1:38:A:ILE:HD13	4	0.1
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD11	4	0.1
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD12	4	0.1
(1,1046)	1:37:A:MET:HE3	1:38:A:ILE:HD13	4	0.1
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE1	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE2	4	0.1
(1,1011)	1:38:A:ILE:HD11	1:37:A:MET:HE3	4	0.1
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE1	4	0.1
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE2	4	0.1
(1,1011)	1:38:A:ILE:HD12	1:37:A:MET:HE3	4	0.1
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE1	4	0.1
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE2	4	0.1
(1,1011)	1:38:A:ILE:HD13	1:37:A:MET:HE3	4	0.1
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE1	3	0.1
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE2	3	0.1
(1,1009)	1:54:A:VAL:HG11	1:37:A:MET:HE3	3	0.1
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE1	3	0.1
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE2	3	0.1
(1,1009)	1:54:A:VAL:HG12	1:37:A:MET:HE3	3	0.1
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE1	3	0.1
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE2	3	0.1
(1,1009)	1:54:A:VAL:HG13	1:37:A:MET:HE3	3	0.1
(1,1006)	1:100:A:ALA:HB1	1:79:A:TYR:HB2	6	0.1
(1,1006)	1:100:A:ALA:HB2	1:79:A:TYR:HB2	6	0.1
(1,1006)	1:100:A:ALA:HB3	1:79:A:TYR:HB2	6	0.1
(1,957)	1:79:A:TYR:HB2	1:100:A:ALA:HB1	6	0.1
(1,957)	1:79:A:TYR:HB2	1:100:A:ALA:HB2	6	0.1
(1,957)	1:79:A:TYR:HB2	1:100:A:ALA:HB3	6	0.1
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD11	6	0.1
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD12	6	0.1
(1,844)	1:94:A:ALA:HB1	1:29:A:LEU:HD13	6	0.1
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD11	6	0.1
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD12	6	0.1
(1,844)	1:94:A:ALA:HB2	1:29:A:LEU:HD13	6	0.1
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD11	6	0.1
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD12	6	0.1
(1,844)	1:94:A:ALA:HB3	1:29:A:LEU:HD13	6	0.1
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG11	3	0.1
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG12	3	0.1
(1,768)	1:37:A:MET:HE1	1:54:A:VAL:HG13	3	0.1
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG11	3	0.1
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG12	3	0.1
(1,768)	1:37:A:MET:HE2	1:54:A:VAL:HG13	3	0.1
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG11	3	0.1
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG12	3	0.1
(1,768)	1:37:A:MET:HE3	1:54:A:VAL:HG13	3	0.1
(1,707)	1:68:A:ALA:HB1	1:104:A:VAL:H	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:68:A:ALA:HB2	1:104:A:VAL:H	3	0.1
(1,707)	1:68:A:ALA:HB3	1:104:A:VAL:H	3	0.1
(1,674)	1:100:A:ALA:HB1	1:104:A:VAL:H	9	0.1
(1,674)	1:100:A:ALA:HB2	1:104:A:VAL:H	9	0.1
(1,674)	1:100:A:ALA:HB3	1:104:A:VAL:H	9	0.1
(1,621)	1:52:A:THR:HG21	1:55:A:ALA:H	6	0.1
(1,621)	1:52:A:THR:HG22	1:55:A:ALA:H	6	0.1
(1,621)	1:52:A:THR:HG23	1:55:A:ALA:H	6	0.1
(1,612)	1:50:A:VAL:HG21	1:53:A:SER:H	1	0.1
(1,612)	1:50:A:VAL:HG22	1:53:A:SER:H	1	0.1
(1,612)	1:50:A:VAL:HG23	1:53:A:SER:H	1	0.1
(1,579)	1:44:A:THR:HA	1:47:A:ALA:H	8	0.1
(1,134)	1:20:A:PHE:HD1	1:20:A:PHE:H	8	0.1
(1,134)	1:20:A:PHE:HD1	1:20:A:PHE:H	9	0.1

10 Dihedral-angle violation analysis [i](#)

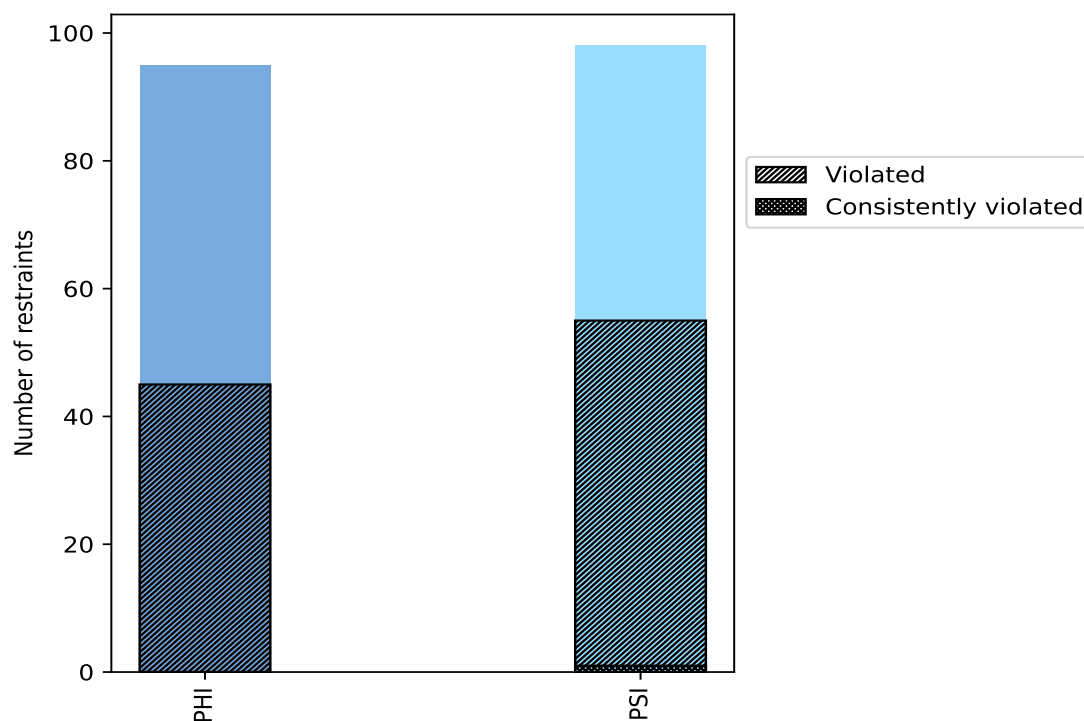
10.1 Summary of dihedral-angle violations [i](#)

The following table provides the summary of dihedral-angle violations in different dihedral-angle types. Violations less than 1° are not included in the calculation.

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PHI	95	49.2	45	47.4	23.3	0	0.0	0.0
PSI	98	50.8	55	56.1	28.5	1	1.0	0.5
Total	193	100.0	100	51.8	51.8	1	0.5	0.5

¹ percentage calculated with respect to total number of dihedral-angle restraints, ² percentage calculated with respect to number of restraints in a particular dihedral-angle type, ³ violated in at least one model, ⁴ violated in all the models

10.1.1 Bar chart : Distribution of dihedral-angles and violations [i](#)



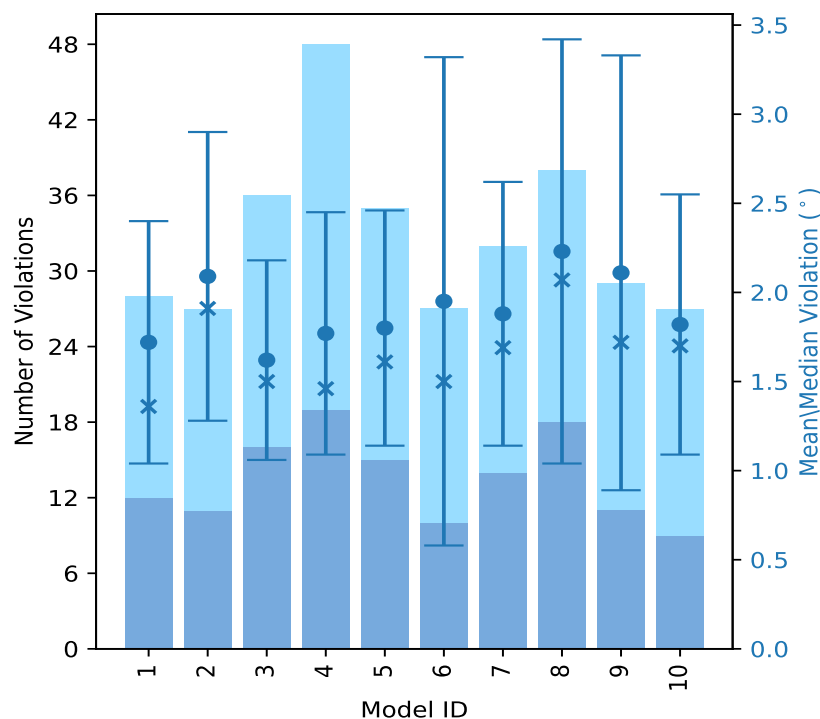
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model [i](#)

The following table provides the dihedral-angle violation statistics for each model in the ensemble. Violations less than 1° are not included in the statistics.

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	12	16	28	1.72	3.87	0.68	1.36
2	11	16	27	2.09	5.03	0.81	1.91
3	16	20	36	1.62	3.34	0.56	1.5
4	19	29	48	1.77	3.74	0.68	1.46
5	15	20	35	1.8	3.53	0.66	1.61
6	10	17	27	1.95	6.89	1.37	1.5
7	14	18	32	1.88	3.65	0.74	1.69
8	18	20	38	2.23	5.58	1.19	2.07
9	11	18	29	2.11	5.84	1.22	1.72
10	9	18	27	1.82	4.04	0.73	1.7

10.2.1 Bar graph : Dihedral violation statistics for each model [i](#)



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

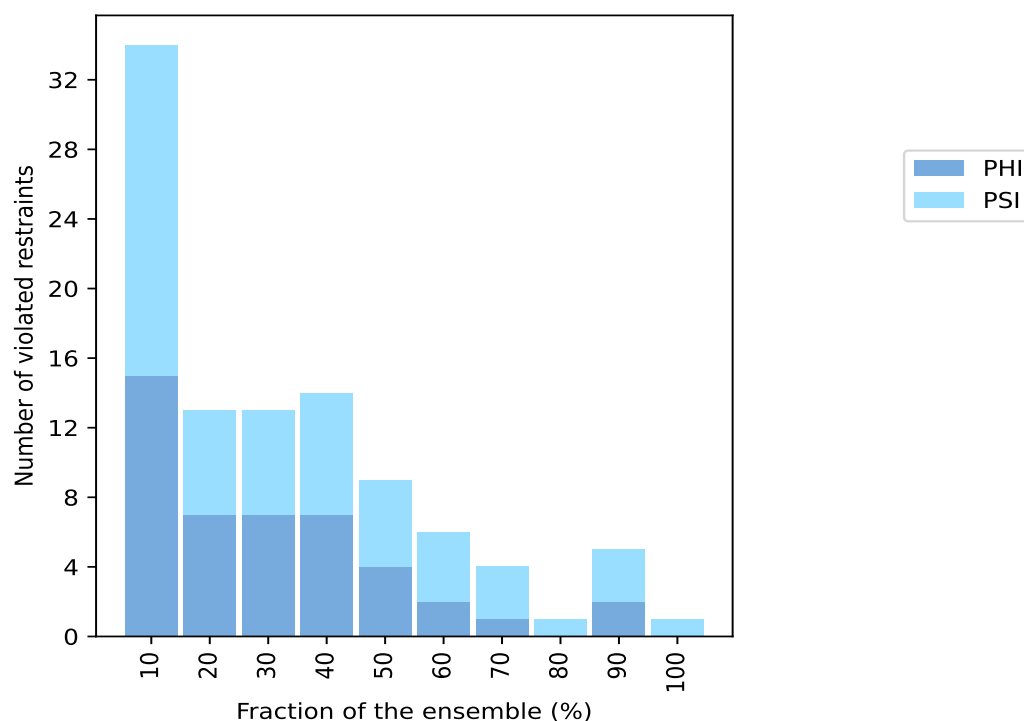
10.3 Dihedral-angle violation statistics for the ensemble [i](#)

Violation analysis may find that some restraints are violated in very few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of ensemble.

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
15	19	34	1	10.0
7	6	13	2	20.0
7	6	13	3	30.0
7	7	14	4	40.0
4	5	9	5	50.0
2	4	6	6	60.0
1	3	4	7	70.0
0	1	1	8	80.0
2	3	5	9	90.0
0	1	1	10	100.0

¹ Number of models with violations

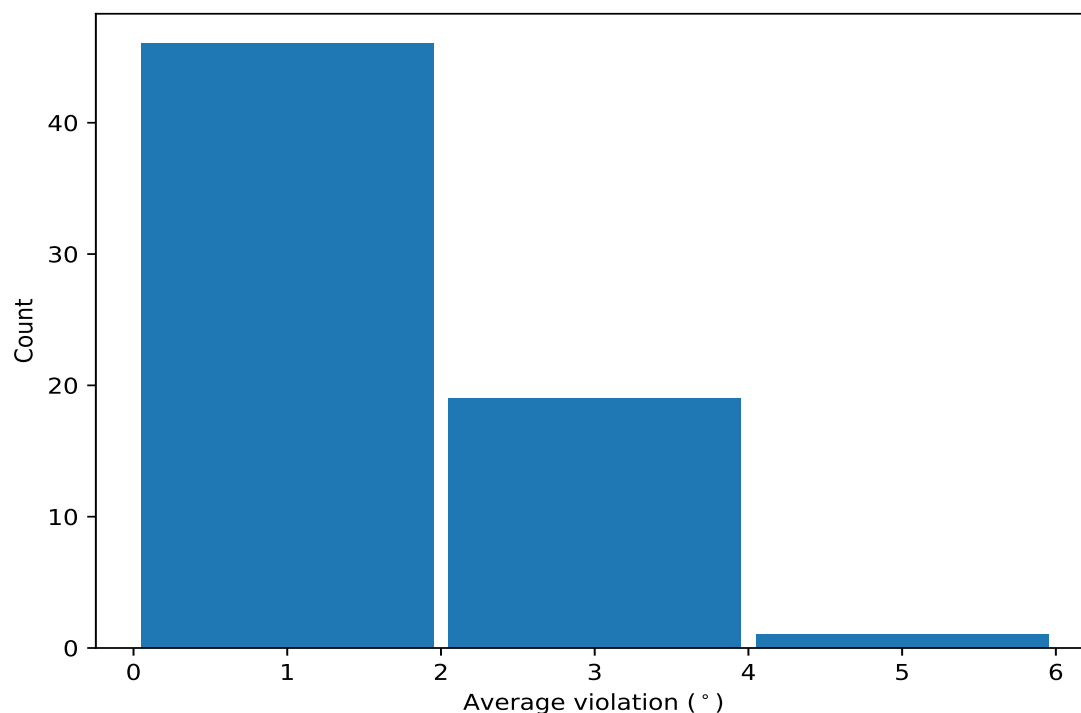
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)



10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

10.4.1 Histogram : Distribution of mean dihedral-angle 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



10.4.2 Table: Most violated dihedral-angle 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.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,117)	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1:90:A:ALA:N	10	2.18	0.5	2.04
(1,13)	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	1:24:A:LEU:N	9	2.47	1.13	2.31
(1,14)	1:23:A:SER:C	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	9	2.27	0.89	2.13
(1,8)	1:20:A:PHE:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	9	1.66	0.28	1.77
(1,101)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:SER:N	9	1.58	0.47	1.45
(1,7)	1:20:A:PHE:N	1:20:A:PHE:CA	1:20:A:PHE:C	1:21:A:ALA:N	9	1.36	0.26	1.29
(1,175)	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	1:127:A:VAL:N	8	1.99	0.52	1.84
(1,139)	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	1:101:A:ILE:N	7	2.56	1.23	2.42
(1,182)	1:129:A:THR:C	1:130:A:THR:N	1:130:A:THR:CA	1:130:A:THR:C	7	2.47	0.7	2.74
(1,141)	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	1:102:A:GLY:N	7	2.4	0.43	2.23
(1,63)	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	1:54:A:VAL:N	7	2.21	0.65	2.4
(1,187)	1:134:A:TYR:N	1:134:A:TYR:CA	1:134:A:TYR:C	1:135:A:GLY:N	6	2.84	1.99	2.37
(1,17)	1:25:A:SER:N	1:25:A:SER:CA	1:25:A:SER:C	1:26:A:SER:N	6	2.61	0.76	2.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,65)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ALA:N	6	2.38	0.67	2.54
(1,55)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:VAL:N	6	2.36	0.72	2.35
(1,56)	1:49:A:SER:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	6	1.84	0.6	1.52
(1,116)	1:88:A:SER:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	6	1.34	0.08	1.36
(1,61)	1:52:A:THR:N	1:52:A:THR:CA	1:52:A:THR:C	1:53:A:SER:N	5	2.86	0.36	2.94
(1,140)	1:100:A:ALA:C	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	5	1.91	0.69	1.88
(1,19)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:ASN:N	5	1.81	0.25	1.7
(1,62)	1:52:A:THR:C	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	5	1.73	0.38	2.02
(1,107)	1:80:A:VAL:N	1:80:A:VAL:CA	1:80:A:VAL:C	1:81:A:SER:N	5	1.67	0.52	1.44
(1,33)	1:34:A:PHE:C	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	5	1.53	0.28	1.64
(1,99)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:VAL:N	5	1.43	0.42	1.14
(1,24)	1:28:A:LEU:C	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	5	1.28	0.22	1.14
(1,51)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:VAL:N	5	1.13	0.11	1.09
(1,113)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:ALA:N	4	3.0	1.09	3.39
(1,184)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:SER:N	4	2.36	2.01	1.25
(1,135)	1:98:A:SER:N	1:98:A:SER:CA	1:98:A:SER:C	1:99:A:SER:N	4	1.95	0.5	2.17
(1,192)	1:138:A:VAL:C	1:139:A:PHE:N	1:139:A:PHE:CA	1:139:A:PHE:C	4	1.88	0.55	1.99
(1,176)	1:126:A:SER:C	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	4	1.76	0.55	1.69
(1,181)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:THR:N	4	1.72	0.49	1.84
(1,177)	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	1:128:A:THR:N	4	1.57	0.34	1.72
(1,126)	1:93:A:TYR:C	1:94:A:ALA:N	1:94:A:ALA:CA	1:94:A:ALA:C	4	1.52	0.45	1.5
(1,64)	1:53:A:SER:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	4	1.5	0.33	1.58
(1,145)	1:103:A:ASN:N	1:103:A:ASN:CA	1:103:A:ASN:C	1:104:A:VAL:N	4	1.48	0.44	1.32
(1,102)	1:76:A:VAL:C	1:77:A:SER:N	1:77:A:SER:CA	1:77:A:SER:C	4	1.46	0.39	1.41
(1,130)	1:95:A:ASN:C	1:96:A:ALA:N	1:96:A:ALA:CA	1:96:A:ALA:C	4	1.39	0.17	1.35
(1,15)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:SER:N	4	1.29	0.13	1.36
(1,122)	1:91:A:SER:C	1:92:A:ALA:N	1:92:A:ALA:CA	1:92:A:ALA:C	4	1.2	0.12	1.14
(1,60)	1:51:A:ALA:C	1:52:A:THR:N	1:52:A:THR:CA	1:52:A:THR:C	3	3.31	0.29	3.49
(1,190)	1:137:A:ALA:C	1:138:A:VAL:N	1:138:A:VAL:CA	1:138:A:VAL:C	3	3.08	1.1	2.54
(1,186)	1:133:A:SER:N	1:133:A:SER:CA	1:133:A:SER:C	1:134:A:TYR:N	3	2.55	1.84	1.31
(1,34)	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	1:36:A:GLN:N	3	2.38	1.05	1.7
(1,27)	1:30:A:SER:N	1:30:A:SER:CA	1:30:A:SER:C	1:31:A:SER:N	3	1.93	0.62	2.04
(1,57)	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	1:51:A:ALA:N	3	1.87	0.62	1.45
(1,53)	1:48:A:VAL:N	1:48:A:VAL:CA	1:48:A:VAL:C	1:49:A:SER:N	3	1.62	0.36	1.45
(1,174)	1:125:A:SER:C	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	3	1.47	0.32	1.66
(1,123)	1:92:A:ALA:N	1:92:A:ALA:CA	1:92:A:ALA:C	1:93:A:TYR:N	3	1.41	0.08	1.38
(1,172)	1:124:A:ALA:C	1:125:A:SER:N	1:125:A:SER:CA	1:125:A:SER:C	3	1.4	0.46	1.09
(1,146)	1:103:A:ASN:C	1:104:A:VAL:N	1:104:A:VAL:CA	1:104:A:VAL:C	3	1.29	0.39	1.04
(1,138)	1:99:A:SER:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	3	1.23	0.15	1.22
(1,20)	1:26:A:SER:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	3	1.19	0.13	1.18
(1,189)	1:137:A:ALA:N	1:137:A:ALA:CA	1:137:A:ALA:C	1:138:A:VAL:N	2	5.07	0.51	5.07
(1,183)	1:131:A:LEU:N	1:131:A:LEU:CA	1:131:A:LEU:C	1:132:A:THR:N	2	3.2	1.82	3.2
(1,54)	1:48:A:VAL:C	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	2	1.54	0.32	1.54
(1,58)	1:50:A:VAL:C	1:51:A:ALA:N	1:51:A:ALA:CA	1:51:A:ALA:C	2	1.52	0.13	1.52
(1,144)	1:102:A:GLY:C	1:103:A:ASN:N	1:103:A:ASN:CA	1:103:A:ASN:C	2	1.51	0.39	1.51
(1,147)	1:104:A:VAL:N	1:104:A:VAL:CA	1:104:A:VAL:C	1:105:A:LEU:N	2	1.48	0.36	1.48
(1,18)	1:25:A:SER:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	2	1.36	0.11	1.36
(1,133)	1:97:A:ILE:N	1:97:A:ILE:CA	1:97:A:ILE:C	1:98:A:SER:N	2	1.23	0.01	1.23
(1,100)	1:75:A:ALA:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	2	1.18	0.17	1.18
(1,35)	1:35:A:VAL:C	1:36:A:GLN:N	1:36:A:GLN:CA	1:36:A:GLN:C	2	1.14	0.06	1.14
(1,134)	1:97:A:ILE:C	1:98:A:SER:N	1:98:A:SER:CA	1:98:A:SER:C	2	1.1	0.05	1.1

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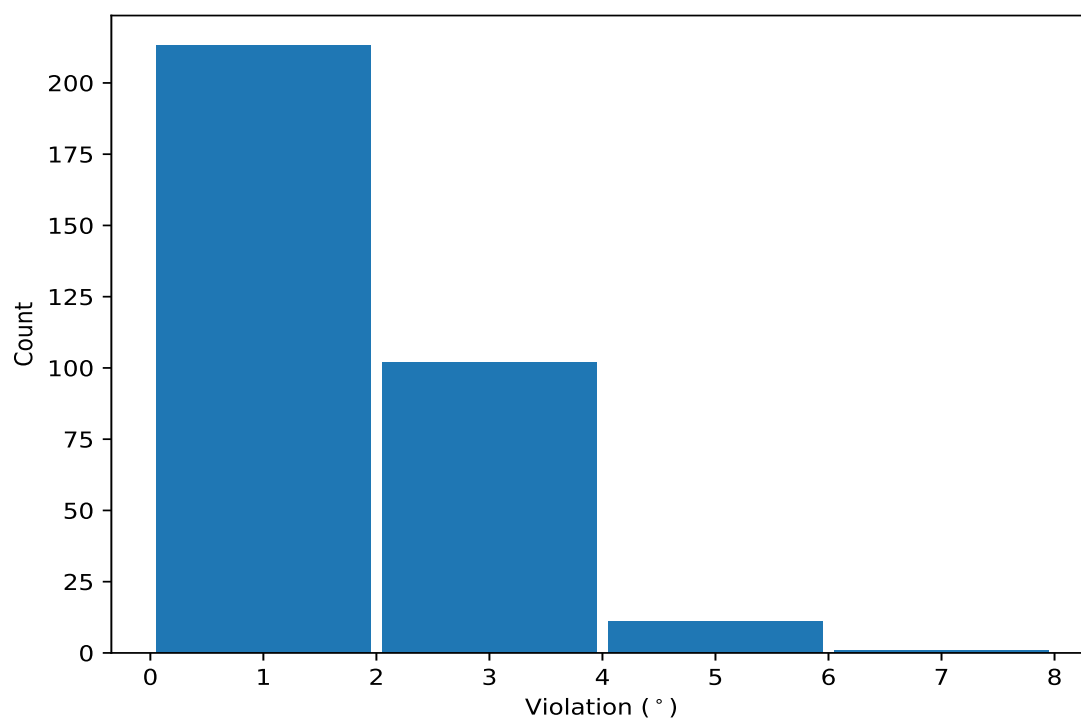
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,173)	1:125:A:SER:N	1:125:A:SER:CA	1:125:A:SER:C	1:126:A:SER:N	2	1.08	0.06	1.08
(1,131)	1:96:A:ALA:N	1:96:A:ALA:CA	1:96:A:ALA:C	1:97:A:ILE:N	2	1.05	0.03	1.05

¹ Number of violated models, ²Standard deviation, All angle values are in degree (°)

10.5 All violated dihedral-angle restraints [i](#)

10.5.1 Histogram : Distribution of violations [i](#)

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



10.5.2 Table: All violated dihedral-angle restraints [i](#)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,187)	1:134:A:TYR:N	1:134:A:TYR:CA	1:134:A:TYR:C	1:135:A:GLY:N	6	6.89
(1,184)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:SER:N	9	5.84
(1,189)	1:137:A:ALA:N	1:137:A:ALA:CA	1:137:A:ALA:C	1:138:A:VAL:N	8	5.58
(1,13)	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	1:24:A:LEU:N	8	5.23
(1,186)	1:133:A:SER:N	1:133:A:SER:CA	1:133:A:SER:C	1:134:A:TYR:N	9	5.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,139)	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	1:101:A:ILE:N	2	5.03
(1,183)	1:131:A:LEU:N	1:131:A:LEU:CA	1:131:A:LEU:C	1:132:A:THR:N	6	5.02
(1,14)	1:23:A:SER:C	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	8	4.65
(1,190)	1:137:A:ALA:C	1:138:A:VAL:N	1:138:A:VAL:CA	1:138:A:VAL:C	8	4.62
(1,189)	1:137:A:ALA:N	1:137:A:ALA:CA	1:137:A:ALA:C	1:138:A:VAL:N	9	4.56
(1,113)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:ALA:N	10	4.04
(1,17)	1:25:A:SER:N	1:25:A:SER:CA	1:25:A:SER:C	1:26:A:SER:N	6	4.0
(1,34)	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	1:36:A:GLN:N	1	3.87
(1,159)	1:118:A:SER:N	1:118:A:SER:CA	1:118:A:SER:C	1:119:A:ALA:N	4	3.74
(1,55)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:VAL:N	7	3.65
(1,182)	1:129:A:THR:C	1:130:A:THR:N	1:130:A:THR:CA	1:130:A:THR:C	6	3.53
(1,60)	1:51:A:ALA:C	1:52:A:THR:N	1:52:A:THR:CA	1:52:A:THR:C	5	3.53
(1,60)	1:51:A:ALA:C	1:52:A:THR:N	1:52:A:THR:CA	1:52:A:THR:C	8	3.49
(1,113)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:ALA:N	5	3.44
(1,61)	1:52:A:THR:N	1:52:A:THR:CA	1:52:A:THR:C	1:53:A:SER:N	7	3.4
(1,139)	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	1:101:A:ILE:N	4	3.39
(1,117)	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1:90:A:ALA:N	8	3.39
(1,113)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:ALA:N	3	3.34
(1,187)	1:134:A:TYR:N	1:134:A:TYR:CA	1:134:A:TYR:C	1:135:A:GLY:N	8	3.28
(1,63)	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	1:54:A:VAL:N	10	3.2
(1,140)	1:100:A:ALA:C	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	2	3.19
(1,65)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ALA:N	5	3.18
(1,13)	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	1:24:A:LEU:N	7	3.17
(1,185)	1:132:A:THR:C	1:133:A:SER:N	1:133:A:SER:CA	1:133:A:SER:C	9	3.14
(1,141)	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	1:102:A:GLY:N	2	3.08
(1,61)	1:52:A:THR:N	1:52:A:THR:CA	1:52:A:THR:C	1:53:A:SER:N	8	3.01
(1,17)	1:25:A:SER:N	1:25:A:SER:CA	1:25:A:SER:C	1:26:A:SER:N	7	3.0
(1,141)	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	1:102:A:GLY:N	1	2.98
(1,175)	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	1:127:A:VAL:N	9	2.95
(1,61)	1:52:A:THR:N	1:52:A:THR:CA	1:52:A:THR:C	1:53:A:SER:N	3	2.94
(1,158)	1:117:A:SER:C	1:118:A:SER:N	1:118:A:SER:CA	1:118:A:SER:C	4	2.93
(1,56)	1:49:A:SER:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	7	2.91
(1,60)	1:51:A:ALA:C	1:52:A:THR:N	1:52:A:THR:CA	1:52:A:THR:C	10	2.9
(1,182)	1:129:A:THR:C	1:130:A:THR:N	1:130:A:THR:CA	1:130:A:THR:C	8	2.89
(1,160)	1:118:A:SER:C	1:119:A:ALA:N	1:119:A:ALA:CA	1:119:A:ALA:C	4	2.83
(1,187)	1:134:A:TYR:N	1:134:A:TYR:CA	1:134:A:TYR:C	1:135:A:GLY:N	4	2.8
(1,65)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ALA:N	8	2.78
(1,182)	1:129:A:THR:C	1:130:A:THR:N	1:130:A:THR:CA	1:130:A:THR:C	2	2.77
(1,139)	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	1:101:A:ILE:N	1	2.76
(1,182)	1:129:A:THR:C	1:130:A:THR:N	1:130:A:THR:CA	1:130:A:THR:C	5	2.74
(1,65)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ALA:N	10	2.74
(1,57)	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	1:51:A:ALA:N	7	2.74
(1,111)	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	1:83:A:LEU:N	5	2.72
(1,13)	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	1:24:A:LEU:N	2	2.69
(1,27)	1:30:A:SER:N	1:30:A:SER:CA	1:30:A:SER:C	1:31:A:SER:N	7	2.63
(1,117)	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1:90:A:ALA:N	2	2.58
(1,63)	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	1:54:A:VAL:N	4	2.57
(1,61)	1:52:A:THR:N	1:52:A:THR:CA	1:52:A:THR:C	1:53:A:SER:N	10	2.56
(1,17)	1:25:A:SER:N	1:25:A:SER:CA	1:25:A:SER:C	1:26:A:SER:N	9	2.55
(1,190)	1:137:A:ALA:C	1:138:A:VAL:N	1:138:A:VAL:CA	1:138:A:VAL:C	6	2.54
(1,121)	1:91:A:SER:N	1:91:A:SER:CA	1:91:A:SER:C	1:92:A:ALA:N	4	2.54

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,107)	1:80:A:VAL:N	1:80:A:VAL:CA	1:80:A:VAL:C	1:81:A:SER:N	4	2.54
(1,63)	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	1:54:A:VAL:N	9	2.53
(1,176)	1:126:A:SER:C	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	4	2.52
(1,192)	1:138:A:VAL:C	1:139:A:PHE:N	1:139:A:PHE:CA	1:139:A:PHE:C	9	2.51
(1,175)	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	1:127:A:VAL:N	4	2.5
(1,55)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:VAL:N	4	2.5
(1,55)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:VAL:N	9	2.49
(1,13)	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	1:24:A:LEU:N	1	2.47
(1,141)	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	1:102:A:GLY:N	8	2.43
(1,139)	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	1:101:A:ILE:N	8	2.42
(1,56)	1:49:A:SER:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	3	2.42
(1,117)	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1:90:A:ALA:N	3	2.4
(1,63)	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	1:54:A:VAL:N	8	2.4
(1,61)	1:52:A:THR:N	1:52:A:THR:CA	1:52:A:THR:C	1:53:A:SER:N	5	2.39
(1,14)	1:23:A:SER:C	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	7	2.39
(1,135)	1:98:A:SER:N	1:98:A:SER:CA	1:98:A:SER:C	1:99:A:SER:N	2	2.36
(1,182)	1:129:A:THR:C	1:130:A:THR:N	1:130:A:THR:CA	1:130:A:THR:C	1	2.35
(1,17)	1:25:A:SER:N	1:25:A:SER:CA	1:25:A:SER:C	1:26:A:SER:N	2	2.35
(1,65)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ALA:N	7	2.34
(1,13)	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	1:24:A:LEU:N	9	2.31
(1,175)	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	1:127:A:VAL:N	2	2.3
(1,89)	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	1:70:A:ASN:N	5	2.29
(1,117)	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1:90:A:ALA:N	4	2.28
(1,101)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:SER:N	3	2.28
(1,14)	1:23:A:SER:C	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1	2.24
(1,141)	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	1:102:A:GLY:N	10	2.23
(1,19)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:ASN:N	7	2.23
(1,192)	1:138:A:VAL:C	1:139:A:PHE:N	1:139:A:PHE:CA	1:139:A:PHE:C	8	2.21
(1,143)	1:102:A:GLY:N	1:102:A:GLY:CA	1:102:A:GLY:C	1:103:A:ASN:N	2	2.21
(1,55)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:VAL:N	10	2.21
(1,17)	1:25:A:SER:N	1:25:A:SER:CA	1:25:A:SER:C	1:26:A:SER:N	8	2.21
(1,65)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ALA:N	3	2.2
(1,181)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:THR:N	4	2.19
(1,145)	1:103:A:ASN:N	1:103:A:ASN:CA	1:103:A:ASN:C	1:104:A:VAL:N	1	2.19
(1,101)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:SER:N	4	2.19
(1,14)	1:23:A:SER:C	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	2	2.19
(1,181)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:THR:N	8	2.18
(1,135)	1:98:A:SER:N	1:98:A:SER:CA	1:98:A:SER:C	1:99:A:SER:N	4	2.18
(1,16)	1:24:A:LEU:C	1:25:A:SER:N	1:25:A:SER:CA	1:25:A:SER:C	8	2.17
(1,135)	1:98:A:SER:N	1:98:A:SER:CA	1:98:A:SER:C	1:99:A:SER:N	1	2.16
(1,141)	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	1:102:A:GLY:N	5	2.15
(1,117)	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1:90:A:ALA:N	5	2.14
(1,63)	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	1:54:A:VAL:N	5	2.14
(1,55)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:VAL:N	6	2.14
(1,14)	1:23:A:SER:C	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	10	2.13
(1,53)	1:48:A:VAL:N	1:48:A:VAL:CA	1:48:A:VAL:C	1:49:A:SER:N	8	2.12
(1,8)	1:20:A:PHE:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	8	2.12
(1,190)	1:137:A:ALA:C	1:138:A:VAL:N	1:138:A:VAL:CA	1:138:A:VAL:C	9	2.09
(1,126)	1:93:A:TYR:C	1:94:A:ALA:N	1:94:A:ALA:CA	1:94:A:ALA:C	4	2.08
(1,172)	1:124:A:ALA:C	1:125:A:SER:N	1:125:A:SER:CA	1:125:A:SER:C	2	2.06
(1,141)	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	1:102:A:GLY:N	4	2.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,62)	1:52:A:THR:C	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	3	2.06
(1,62)	1:52:A:THR:C	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	7	2.04
(1,27)	1:30:A:SER:N	1:30:A:SER:CA	1:30:A:SER:C	1:31:A:SER:N	5	2.04
(1,176)	1:126:A:SER:C	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	9	2.03
(1,62)	1:52:A:THR:C	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	8	2.02
(1,14)	1:23:A:SER:C	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	9	2.01
(1,102)	1:76:A:VAL:C	1:77:A:SER:N	1:77:A:SER:CA	1:77:A:SER:C	3	2.0
(1,107)	1:80:A:VAL:N	1:80:A:VAL:CA	1:80:A:VAL:C	1:81:A:SER:N	6	1.97
(1,101)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:SER:N	5	1.96
(1,99)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:VAL:N	2	1.96
(1,117)	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1:90:A:ALA:N	6	1.95
(1,187)	1:134:A:TYR:N	1:134:A:TYR:CA	1:134:A:TYR:C	1:135:A:GLY:N	5	1.94
(1,117)	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1:90:A:ALA:N	1	1.93
(1,99)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:VAL:N	1	1.92
(1,8)	1:20:A:PHE:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	9	1.92
(1,19)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:ASN:N	2	1.91
(1,144)	1:102:A:GLY:C	1:103:A:ASN:N	1:103:A:ASN:CA	1:103:A:ASN:C	2	1.9
(1,140)	1:100:A:ALA:C	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	4	1.9
(1,175)	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	1:127:A:VAL:N	3	1.88
(1,141)	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	1:102:A:GLY:N	7	1.88
(1,140)	1:100:A:ALA:C	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	8	1.88
(1,101)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:SER:N	10	1.87
(1,177)	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	1:128:A:THR:N	3	1.85
(1,54)	1:48:A:VAL:C	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	7	1.85
(1,13)	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	1:24:A:LEU:N	6	1.85
(1,146)	1:103:A:ASN:C	1:104:A:VAL:N	1:104:A:VAL:CA	1:104:A:VAL:C	1	1.84
(1,126)	1:93:A:TYR:C	1:94:A:ALA:N	1:94:A:ALA:CA	1:94:A:ALA:C	3	1.84
(1,33)	1:34:A:PHE:C	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	3	1.84
(1,8)	1:20:A:PHE:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	2	1.84
(1,7)	1:20:A:PHE:N	1:20:A:PHE:CA	1:20:A:PHE:C	1:21:A:ALA:N	2	1.84
(1,147)	1:104:A:VAL:N	1:104:A:VAL:CA	1:104:A:VAL:C	1:105:A:LEU:N	2	1.83
(1,64)	1:53:A:SER:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	10	1.82
(1,175)	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	1:127:A:VAL:N	6	1.8
(1,64)	1:53:A:SER:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	4	1.79
(1,177)	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	1:128:A:THR:N	5	1.78
(1,33)	1:34:A:PHE:C	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	10	1.78
(1,8)	1:20:A:PHE:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	7	1.78
(1,192)	1:138:A:VAL:C	1:139:A:PHE:N	1:139:A:PHE:CA	1:139:A:PHE:C	4	1.77
(1,182)	1:129:A:THR:C	1:130:A:THR:N	1:130:A:THR:CA	1:130:A:THR:C	7	1.77
(1,8)	1:20:A:PHE:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	3	1.77
(1,109)	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	1:82:A:THR:N	3	1.76
(1,117)	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1:90:A:ALA:N	10	1.75
(1,14)	1:23:A:SER:C	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	6	1.75
(1,174)	1:125:A:SER:C	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	2	1.73
(1,7)	1:20:A:PHE:N	1:20:A:PHE:CA	1:20:A:PHE:C	1:21:A:ALA:N	7	1.73
(1,117)	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1:90:A:ALA:N	9	1.72
(1,93)	1:71:A:SER:N	1:71:A:SER:CA	1:71:A:SER:C	1:72:A:LEU:N	3	1.7
(1,34)	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	1:36:A:GLN:N	10	1.7
(1,19)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:ASN:N	10	1.7
(1,13)	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	1:24:A:LEU:N	5	1.68
(1,19)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:ASN:N	4	1.67

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,177)	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	1:128:A:THR:N	9	1.66
(1,174)	1:125:A:SER:C	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	7	1.66
(1,102)	1:76:A:VAL:C	1:77:A:SER:N	1:77:A:SER:CA	1:77:A:SER:C	4	1.66
(1,130)	1:95:A:ASN:C	1:96:A:ALA:N	1:96:A:ALA:CA	1:96:A:ALA:C	5	1.65
(1,58)	1:50:A:VAL:C	1:51:A:ALA:N	1:51:A:ALA:CA	1:51:A:ALA:C	3	1.65
(1,24)	1:28:A:LEU:C	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	6	1.65
(1,112)	1:84:A:GLY:C	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	3	1.64
(1,33)	1:34:A:PHE:C	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	5	1.64
(1,117)	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1:90:A:ALA:N	7	1.63
(1,175)	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	1:127:A:VAL:N	8	1.61
(1,139)	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	1:101:A:ILE:N	5	1.61
(1,175)	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	1:127:A:VAL:N	5	1.59
(1,14)	1:23:A:SER:C	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	3	1.59
(1,63)	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	1:54:A:VAL:N	6	1.58
(1,34)	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	1:36:A:GLN:N	5	1.57
(1,56)	1:49:A:SER:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	9	1.56
(1,17)	1:25:A:SER:N	1:25:A:SER:CA	1:25:A:SER:C	1:26:A:SER:N	1	1.55
(1,123)	1:92:A:ALA:N	1:92:A:ALA:CA	1:92:A:ALA:C	1:93:A:TYR:N	4	1.53
(1,19)	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1:27:A:ASN:N	8	1.52
(1,145)	1:103:A:ASN:N	1:103:A:ASN:CA	1:103:A:ASN:C	1:104:A:VAL:N	2	1.5
(1,29)	1:32:A:GLY:N	1:32:A:GLY:CA	1:32:A:GLY:C	1:33:A:ASP:N	1	1.5
(1,14)	1:23:A:SER:C	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	5	1.5
(1,8)	1:20:A:PHE:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	6	1.5
(1,181)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:THR:N	2	1.49
(1,114)	1:86:A:ALA:C	1:87:A:ILE:N	1:87:A:ILE:CA	1:87:A:ILE:C	5	1.49
(1,56)	1:49:A:SER:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	4	1.48
(1,18)	1:25:A:SER:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	8	1.47
(1,8)	1:20:A:PHE:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	5	1.46
(1,170)	1:123:A:ALA:C	1:124:A:ALA:N	1:124:A:ALA:CA	1:124:A:ALA:C	4	1.45
(1,169)	1:123:A:ALA:N	1:123:A:ALA:CA	1:123:A:ALA:C	1:124:A:ALA:N	4	1.45
(1,101)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:SER:N	8	1.45
(1,57)	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	1:51:A:ALA:N	9	1.45
(1,53)	1:48:A:VAL:N	1:48:A:VAL:CA	1:48:A:VAL:C	1:49:A:SER:N	4	1.45
(1,164)	1:120:A:ALA:C	1:121:A:SER:N	1:121:A:SER:CA	1:121:A:SER:C	4	1.44
(1,139)	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	1:101:A:ILE:N	7	1.44
(1,107)	1:80:A:VAL:N	1:80:A:VAL:CA	1:80:A:VAL:C	1:81:A:SER:N	10	1.44
(1,116)	1:88:A:SER:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	2	1.43
(1,24)	1:28:A:LEU:C	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	7	1.43
(1,13)	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	1:24:A:LEU:N	10	1.43
(1,7)	1:20:A:PHE:N	1:20:A:PHE:CA	1:20:A:PHE:C	1:21:A:ALA:N	10	1.43
(1,138)	1:99:A:SER:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	4	1.42
(1,122)	1:91:A:SER:C	1:92:A:ALA:N	1:92:A:ALA:CA	1:92:A:ALA:C	3	1.42
(1,57)	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	1:51:A:ALA:N	5	1.42
(1,56)	1:49:A:SER:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	10	1.42
(1,118)	1:89:A:ASP:C	1:90:A:ALA:N	1:90:A:ALA:CA	1:90:A:ALA:C	8	1.41
(1,184)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:SER:N	4	1.4
(1,130)	1:95:A:ASN:C	1:96:A:ALA:N	1:96:A:ALA:CA	1:96:A:ALA:C	7	1.4
(1,116)	1:88:A:SER:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	7	1.4
(1,108)	1:80:A:VAL:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	4	1.4
(1,58)	1:50:A:VAL:C	1:51:A:ALA:N	1:51:A:ALA:CA	1:51:A:ALA:C	5	1.39
(1,15)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:SER:N	4	1.39

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,15)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:SER:N	6	1.39
(1,13)	1:23:A:SER:N	1:23:A:SER:CA	1:23:A:SER:C	1:24:A:LEU:N	3	1.39
(1,163)	1:120:A:ALA:N	1:120:A:ALA:CA	1:120:A:ALA:C	1:121:A:SER:N	4	1.38
(1,123)	1:92:A:ALA:N	1:92:A:ALA:CA	1:92:A:ALA:C	1:93:A:TYR:N	5	1.38
(1,116)	1:88:A:SER:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	3	1.38
(1,183)	1:131:A:LEU:N	1:131:A:LEU:CA	1:131:A:LEU:C	1:132:A:THR:N	10	1.37
(1,64)	1:53:A:SER:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	9	1.37
(1,62)	1:52:A:THR:C	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	10	1.37
(1,37)	1:36:A:GLN:C	1:37:A:MET:N	1:37:A:MET:CA	1:37:A:MET:C	1	1.37
(1,7)	1:20:A:PHE:N	1:20:A:PHE:CA	1:20:A:PHE:C	1:21:A:ALA:N	5	1.37
(1,20)	1:26:A:SER:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	2	1.36
(1,176)	1:126:A:SER:C	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	8	1.35
(1,127)	1:94:A:ALA:N	1:94:A:ALA:CA	1:94:A:ALA:C	1:95:A:ASN:N	1	1.35
(1,107)	1:80:A:VAL:N	1:80:A:VAL:CA	1:80:A:VAL:C	1:81:A:SER:N	8	1.35
(1,116)	1:88:A:SER:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	4	1.34
(1,100)	1:75:A:ALA:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1	1.34
(1,51)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:VAL:N	7	1.34
(1,123)	1:92:A:ALA:N	1:92:A:ALA:CA	1:92:A:ALA:C	1:93:A:TYR:N	3	1.33
(1,140)	1:100:A:ALA:C	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	5	1.32
(1,15)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:SER:N	9	1.32
(1,186)	1:133:A:SER:N	1:133:A:SER:CA	1:133:A:SER:C	1:134:A:TYR:N	4	1.31
(1,116)	1:88:A:SER:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	8	1.31
(1,139)	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	1:101:A:ILE:N	10	1.3
(1,130)	1:95:A:ASN:C	1:96:A:ALA:N	1:96:A:ALA:CA	1:96:A:ALA:C	1	1.3
(1,7)	1:20:A:PHE:N	1:20:A:PHE:CA	1:20:A:PHE:C	1:21:A:ALA:N	1	1.29
(1,175)	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	1:127:A:VAL:N	7	1.28
(1,101)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:SER:N	2	1.28
(1,53)	1:48:A:VAL:N	1:48:A:VAL:CA	1:48:A:VAL:C	1:49:A:SER:N	7	1.28
(1,8)	1:20:A:PHE:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	1	1.28
(1,140)	1:100:A:ALA:C	1:101:A:ILE:N	1:101:A:ILE:CA	1:101:A:ILE:C	7	1.27
(1,56)	1:49:A:SER:C	1:50:A:VAL:N	1:50:A:VAL:CA	1:50:A:VAL:C	6	1.27
(1,182)	1:129:A:THR:C	1:130:A:THR:N	1:130:A:THR:CA	1:130:A:THR:C	4	1.25
(1,18)	1:25:A:SER:C	1:26:A:SER:N	1:26:A:SER:CA	1:26:A:SER:C	1	1.25
(1,8)	1:20:A:PHE:C	1:21:A:ALA:N	1:21:A:ALA:CA	1:21:A:ALA:C	10	1.25
(1,33)	1:34:A:PHE:C	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	7	1.24
(1,25)	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	1:30:A:SER:N	9	1.24
(1,7)	1:20:A:PHE:N	1:20:A:PHE:CA	1:20:A:PHE:C	1:21:A:ALA:N	3	1.24
(1,133)	1:97:A:ILE:N	1:97:A:ILE:CA	1:97:A:ILE:C	1:98:A:SER:N	9	1.23
(1,32)	1:34:A:PHE:N	1:34:A:PHE:CA	1:34:A:PHE:C	1:35:A:VAL:N	1	1.23
(1,138)	1:99:A:SER:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	2	1.22
(1,133)	1:97:A:ILE:N	1:97:A:ILE:CA	1:97:A:ILE:C	1:98:A:SER:N	1	1.22
(1,54)	1:48:A:VAL:C	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	6	1.22
(1,35)	1:35:A:VAL:C	1:36:A:GLN:N	1:36:A:GLN:CA	1:36:A:GLN:C	1	1.2
(1,186)	1:133:A:SER:N	1:133:A:SER:CA	1:133:A:SER:C	1:134:A:TYR:N	6	1.19
(1,130)	1:95:A:ASN:C	1:96:A:ALA:N	1:96:A:ALA:CA	1:96:A:ALA:C	3	1.19
(1,116)	1:88:A:SER:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1	1.19
(1,88)	1:68:A:ALA:C	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	8	1.19
(1,55)	1:49:A:SER:N	1:49:A:SER:CA	1:49:A:SER:C	1:50:A:VAL:N	3	1.19
(1,84)	1:66:A:ALA:C	1:67:A:ASN:N	1:67:A:ASN:CA	1:67:A:ASN:C	5	1.18
(1,62)	1:52:A:THR:C	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	5	1.18
(1,20)	1:26:A:SER:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	8	1.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,126)	1:93:A:TYR:C	1:94:A:ALA:N	1:94:A:ALA:CA	1:94:A:ALA:C	9	1.17
(1,33)	1:34:A:PHE:C	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	1	1.17
(1,113)	1:85:A:ASN:N	1:85:A:ASN:CA	1:85:A:ASN:C	1:86:A:ALA:N	2	1.16
(1,102)	1:76:A:VAL:C	1:77:A:SER:N	1:77:A:SER:CA	1:77:A:SER:C	8	1.16
(1,173)	1:125:A:SER:N	1:125:A:SER:CA	1:125:A:SER:C	1:126:A:SER:N	7	1.15
(1,145)	1:103:A:ASN:N	1:103:A:ASN:CA	1:103:A:ASN:C	1:104:A:VAL:N	8	1.15
(1,134)	1:97:A:ILE:C	1:98:A:SER:N	1:98:A:SER:CA	1:98:A:SER:C	9	1.15
(1,122)	1:91:A:SER:C	1:92:A:ALA:N	1:92:A:ALA:CA	1:92:A:ALA:C	1	1.15
(1,59)	1:51:A:ALA:N	1:51:A:ALA:CA	1:51:A:ALA:C	1:52:A:THR:N	3	1.15
(1,51)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:VAL:N	4	1.15
(1,122)	1:91:A:SER:C	1:92:A:ALA:N	1:92:A:ALA:CA	1:92:A:ALA:C	8	1.14
(1,99)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:VAL:N	4	1.14
(1,24)	1:28:A:LEU:C	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	10	1.14
(1,23)	1:28:A:LEU:N	1:28:A:LEU:CA	1:28:A:LEU:C	1:29:A:LEU:N	3	1.14
(1,7)	1:20:A:PHE:N	1:20:A:PHE:CA	1:20:A:PHE:C	1:21:A:ALA:N	4	1.14
(1,7)	1:20:A:PHE:N	1:20:A:PHE:CA	1:20:A:PHE:C	1:21:A:ALA:N	9	1.13
(1,176)	1:126:A:SER:C	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	3	1.12
(1,147)	1:104:A:VAL:N	1:104:A:VAL:CA	1:104:A:VAL:C	1:105:A:LEU:N	3	1.12
(1,144)	1:102:A:GLY:C	1:103:A:ASN:N	1:103:A:ASN:CA	1:103:A:ASN:C	3	1.12
(1,101)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:SER:N	6	1.12
(1,27)	1:30:A:SER:N	1:30:A:SER:CA	1:30:A:SER:C	1:31:A:SER:N	4	1.12
(1,24)	1:28:A:LEU:C	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	8	1.12
(1,122)	1:91:A:SER:C	1:92:A:ALA:N	1:92:A:ALA:CA	1:92:A:ALA:C	5	1.11
(1,191)	1:138:A:VAL:N	1:138:A:VAL:CA	1:138:A:VAL:C	1:139:A:PHE:N	4	1.1
(1,184)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:SER:N	5	1.1
(1,135)	1:98:A:SER:N	1:98:A:SER:CA	1:98:A:SER:C	1:99:A:SER:N	10	1.1
(1,101)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:SER:N	7	1.1
(1,99)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:VAL:N	6	1.1
(1,184)	1:132:A:THR:N	1:132:A:THR:CA	1:132:A:THR:C	1:133:A:SER:N	8	1.09
(1,172)	1:124:A:ALA:C	1:125:A:SER:N	1:125:A:SER:CA	1:125:A:SER:C	6	1.09
(1,51)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:VAL:N	8	1.09
(1,187)	1:134:A:TYR:N	1:134:A:TYR:CA	1:134:A:TYR:C	1:135:A:GLY:N	1	1.08
(1,131)	1:96:A:ALA:N	1:96:A:ALA:CA	1:96:A:ALA:C	1:97:A:ILE:N	6	1.08
(1,63)	1:53:A:SER:N	1:53:A:SER:CA	1:53:A:SER:C	1:54:A:VAL:N	3	1.08
(1,24)	1:28:A:LEU:C	1:29:A:LEU:N	1:29:A:LEU:CA	1:29:A:LEU:C	4	1.08
(1,107)	1:80:A:VAL:N	1:80:A:VAL:CA	1:80:A:VAL:C	1:81:A:SER:N	7	1.07
(1,52)	1:47:A:ALA:C	1:48:A:VAL:N	1:48:A:VAL:CA	1:48:A:VAL:C	3	1.07
(1,35)	1:35:A:VAL:C	1:36:A:GLN:N	1:36:A:GLN:CA	1:36:A:GLN:C	3	1.07
(1,15)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:SER:N	3	1.07
(1,172)	1:124:A:ALA:C	1:125:A:SER:N	1:125:A:SER:CA	1:125:A:SER:C	7	1.06
(1,145)	1:103:A:ASN:N	1:103:A:ASN:CA	1:103:A:ASN:C	1:104:A:VAL:N	9	1.06
(1,138)	1:99:A:SER:C	1:100:A:ALA:N	1:100:A:ALA:CA	1:100:A:ALA:C	5	1.06
(1,103)	1:77:A:SER:N	1:77:A:SER:CA	1:77:A:SER:C	1:78:A:GLY:N	8	1.06
(1,51)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:VAL:N	6	1.06
(1,134)	1:97:A:ILE:C	1:98:A:SER:N	1:98:A:SER:CA	1:98:A:SER:C	10	1.05
(1,65)	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1:55:A:ALA:N	9	1.05
(1,192)	1:138:A:VAL:C	1:139:A:PHE:N	1:139:A:PHE:CA	1:139:A:PHE:C	6	1.04
(1,181)	1:129:A:THR:N	1:129:A:THR:CA	1:129:A:THR:C	1:130:A:THR:N	10	1.04
(1,146)	1:103:A:ASN:C	1:104:A:VAL:N	1:104:A:VAL:CA	1:104:A:VAL:C	2	1.04
(1,125)	1:93:A:TYR:N	1:93:A:TYR:CA	1:93:A:TYR:C	1:94:A:ALA:N	3	1.04
(1,99)	1:75:A:ALA:N	1:75:A:ALA:CA	1:75:A:ALA:C	1:76:A:VAL:N	10	1.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,66)	1:54:A:VAL:C	1:55:A:ALA:N	1:55:A:ALA:CA	1:55:A:ALA:C	4	1.04
(1,20)	1:26:A:SER:C	1:27:A:ASN:N	1:27:A:ASN:CA	1:27:A:ASN:C	7	1.04
(1,7)	1:20:A:PHE:N	1:20:A:PHE:CA	1:20:A:PHE:C	1:21:A:ALA:N	6	1.04
(1,71)	1:57:A:ASN:N	1:57:A:ASN:CA	1:57:A:ASN:C	1:58:A:VAL:N	4	1.03
(1,187)	1:134:A:TYR:N	1:134:A:TYR:CA	1:134:A:TYR:C	1:135:A:GLY:N	3	1.02
(1,173)	1:125:A:SER:N	1:125:A:SER:CA	1:125:A:SER:C	1:126:A:SER:N	4	1.02
(1,131)	1:96:A:ALA:N	1:96:A:ALA:CA	1:96:A:ALA:C	1:97:A:ILE:N	4	1.02
(1,174)	1:125:A:SER:C	1:126:A:SER:N	1:126:A:SER:CA	1:126:A:SER:C	4	1.01
(1,126)	1:93:A:TYR:C	1:94:A:ALA:N	1:94:A:ALA:CA	1:94:A:ALA:C	5	1.01
(1,102)	1:76:A:VAL:C	1:77:A:SER:N	1:77:A:SER:CA	1:77:A:SER:C	5	1.01
(1,100)	1:75:A:ALA:C	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	4	1.01
(1,64)	1:53:A:SER:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	6	1.01
(1,51)	1:47:A:ALA:N	1:47:A:ALA:CA	1:47:A:ALA:C	1:48:A:VAL:N	9	1.01
(1,177)	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	1:128:A:THR:N	6	1.0
(1,146)	1:103:A:ASN:C	1:104:A:VAL:N	1:104:A:VAL:CA	1:104:A:VAL:C	9	1.0
(1,101)	1:76:A:VAL:N	1:76:A:VAL:CA	1:76:A:VAL:C	1:77:A:SER:N	1	1.0