



Full wwPDB NMR Structure Validation Report ⓘ

Jun 6, 2023 – 07:17 pm BST

PDB ID : 4BEH
BMRB ID : 19086
Title : Solution structure of human ribosomal protein P1.P2 heterodimer
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Deposited on : 2013-03-10

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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 : 4.02b-467
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
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) : 2.33

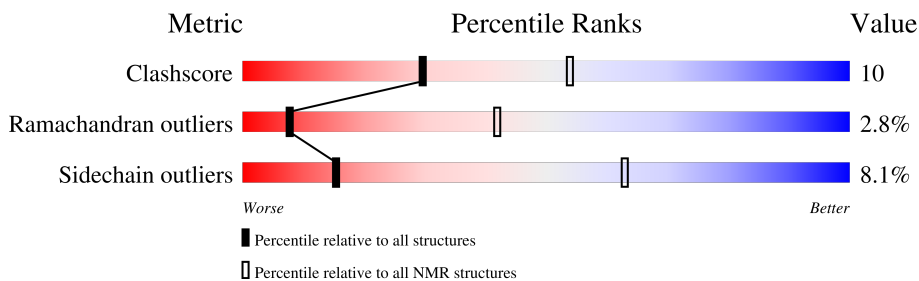
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 64%.

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	158937	12864
Ramachandran outliers	154571	11451
Sidechain outliers	154315	11428

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	114	
2	B	116	

2 Ensemble composition and analysis i

This entry contains 20 models. Model 8 is the overall representative, medoid model (most similar to other models).

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:3-A:63, B:203-B:259 (118)	1.13	8

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

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

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

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

3 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 3232 atoms, of which 1601 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called 60S ACIDIC RIBOSOMAL PROTEIN P1.

Mol	Chain	Residues	Atoms					Trace	
			Total	C	H	N	O		S
1	A	114	1597	508	789	129	167	4	0

- Molecule 2 is a protein called 60S ACIDIC RIBOSOMAL PROTEIN P2.

Mol	Chain	Residues	Atoms					Trace	
			Total	C	H	N	O		S
2	B	116	1635	506	812	137	178	2	0

There is a discrepancy between the modelled and reference sequences:

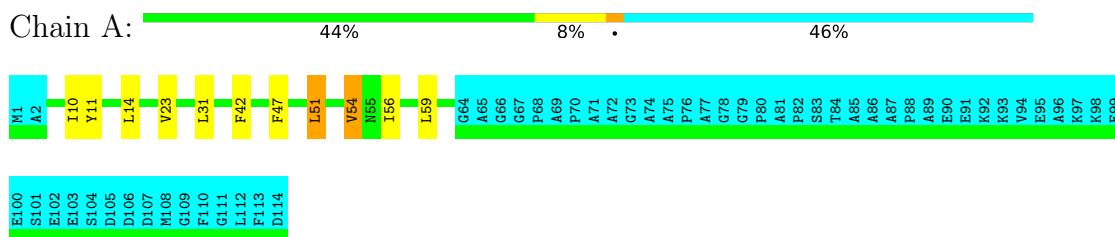
Chain	Residue	Modelled	Actual	Comment	Reference
B	200	ALA	-	expression tag	UNP P05387

4 Residue-property plots

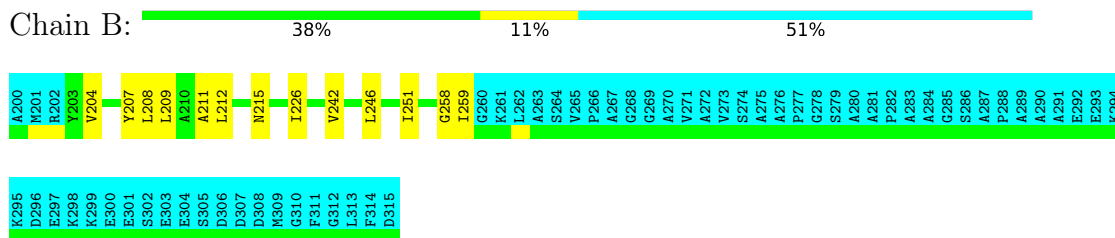
4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1



- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

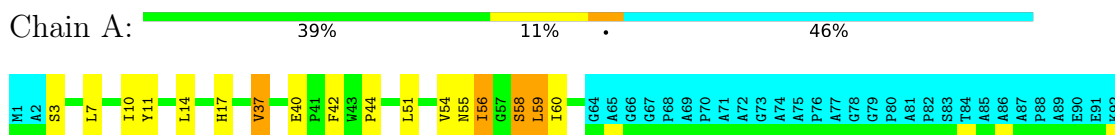


4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

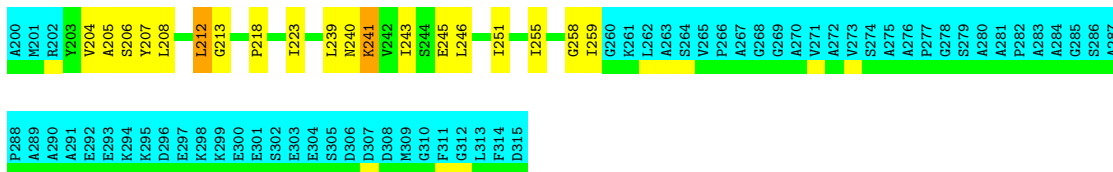
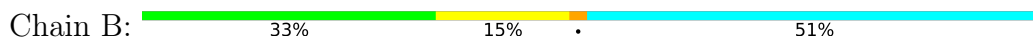
4.2.1 Score per residue for model 1

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1



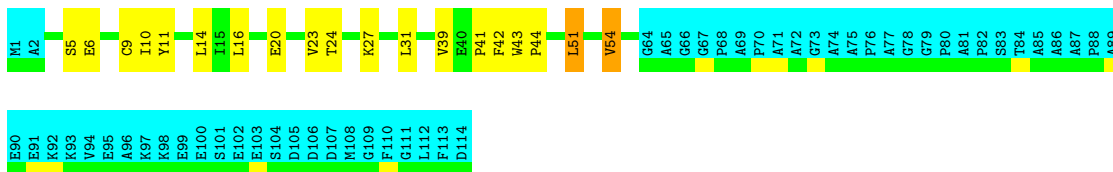
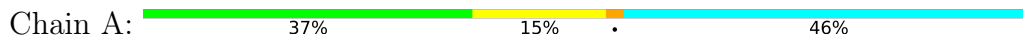


- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

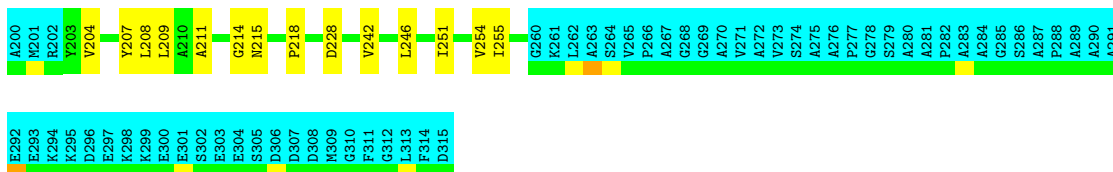
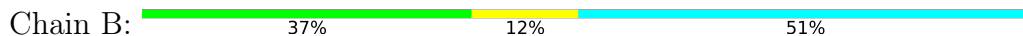


4.2.2 Score per residue for model 2

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

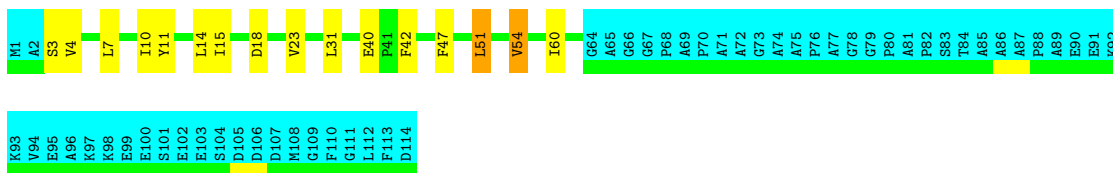
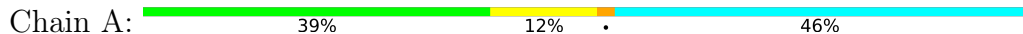


- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2




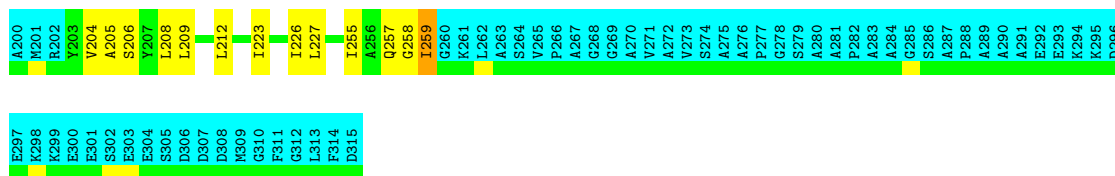
4.2.3 Score per residue for model 3

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1




- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

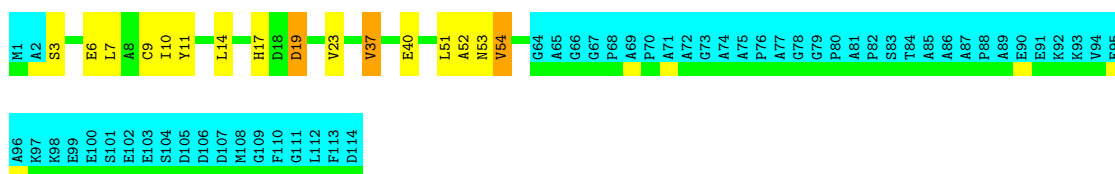
Chain B: 




4.2.4 Score per residue for model 4

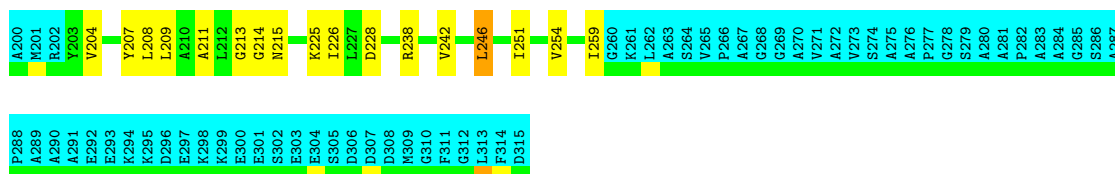
- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

Chain A: 



- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

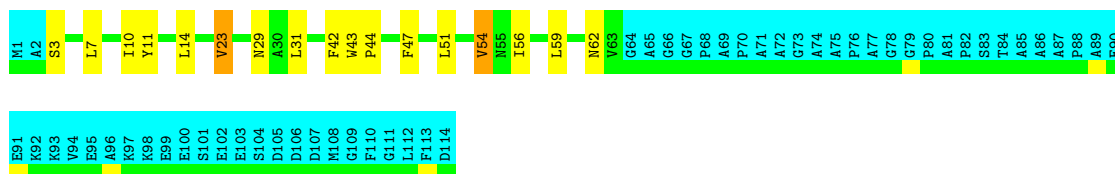
Chain B: 




4.2.5 Score per residue for model 5

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

Chain A: 



- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

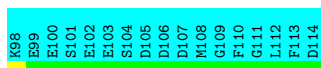
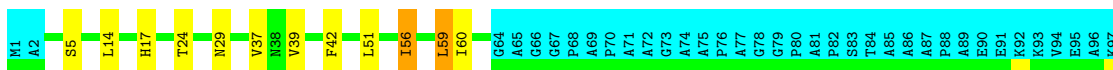
Chain B: 



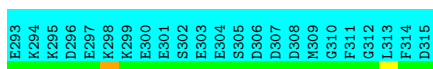
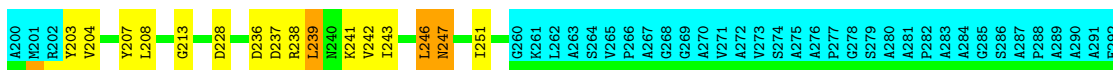
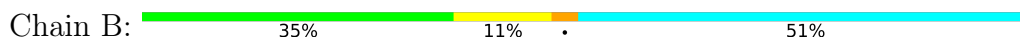


4.2.6 Score per residue for model 6

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

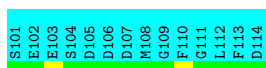
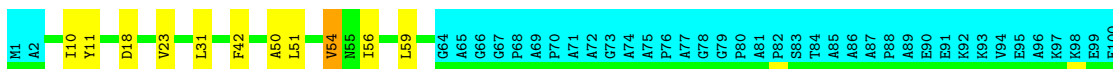


- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

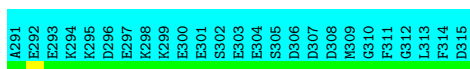
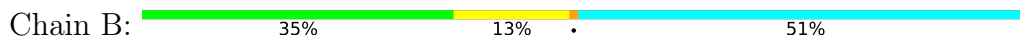


4.2.7 Score per residue for model 7

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

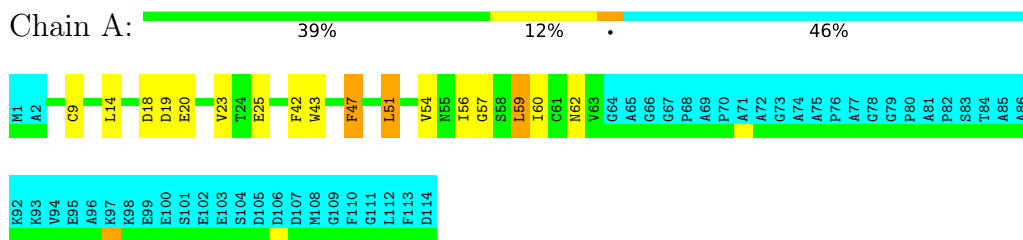


- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

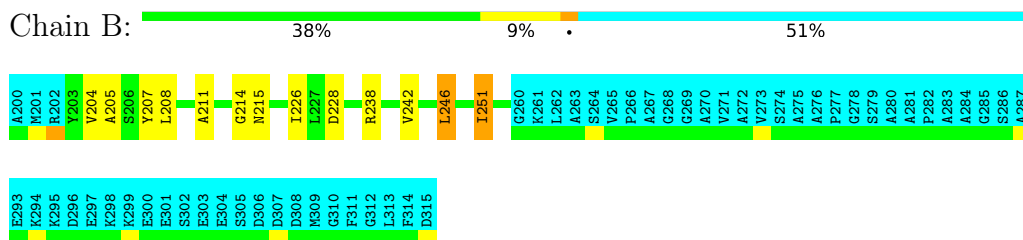


4.2.8 Score per residue for model 8 (medoid)

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

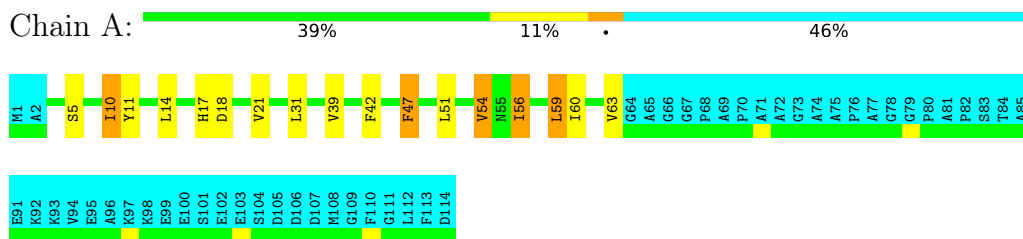


- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

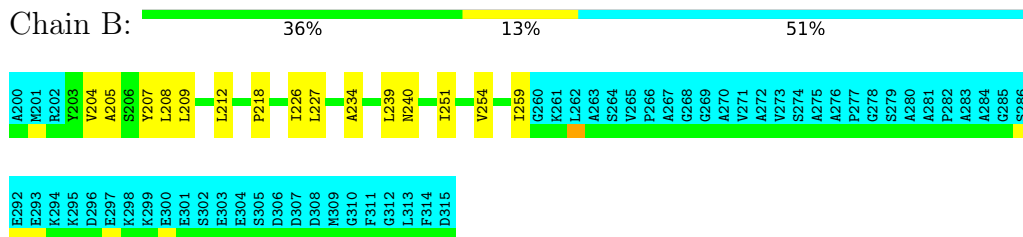


4.2.9 Score per residue for model 9

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1



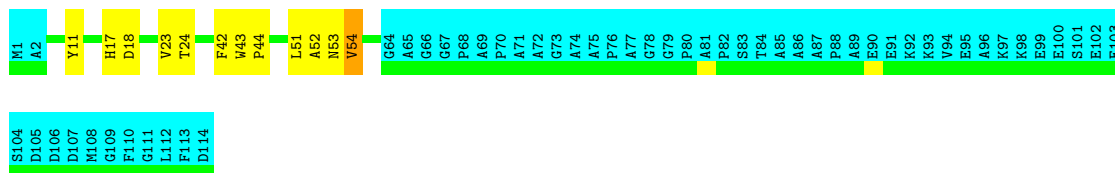
- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2



4.2.10 Score per residue for model 10

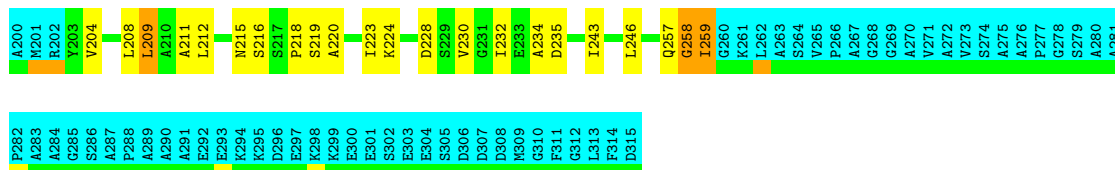
- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1





- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

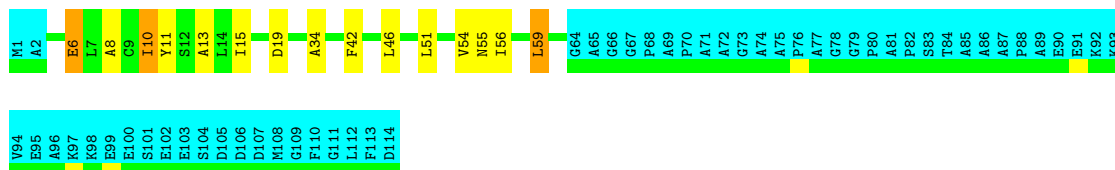
Chain B: 30% 16% 51%



4.2.11 Score per residue for model 11

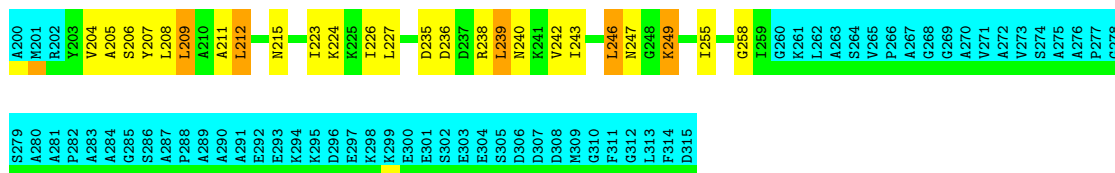
- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

Chain A: 40% 11% 46%



- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

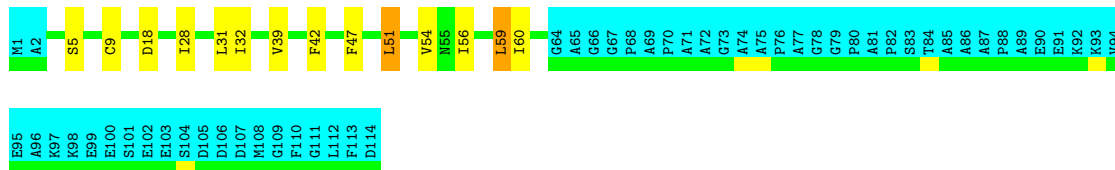
Chain B: 28% 17% 51%



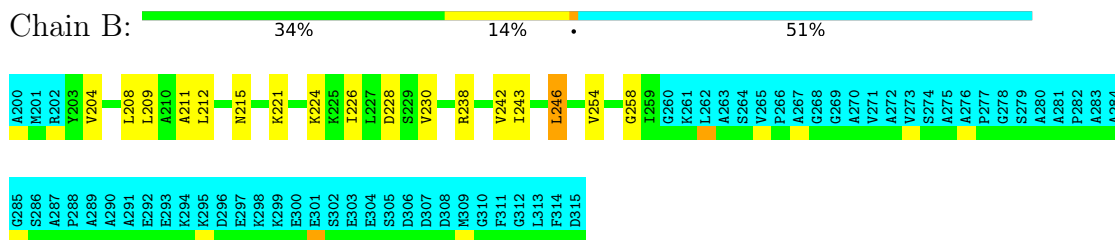
4.2.12 Score per residue for model 12

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

Chain A: 41% 11% 46%

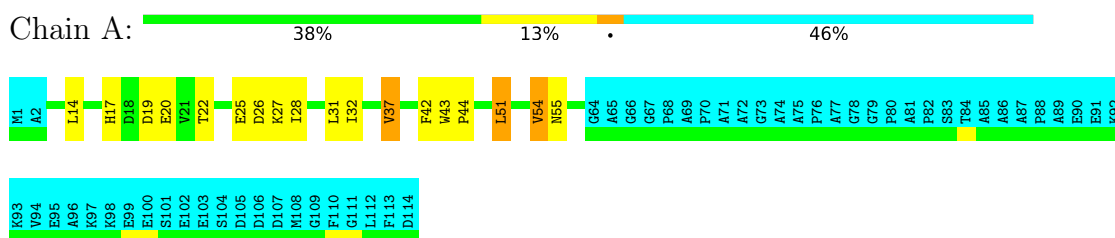


- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

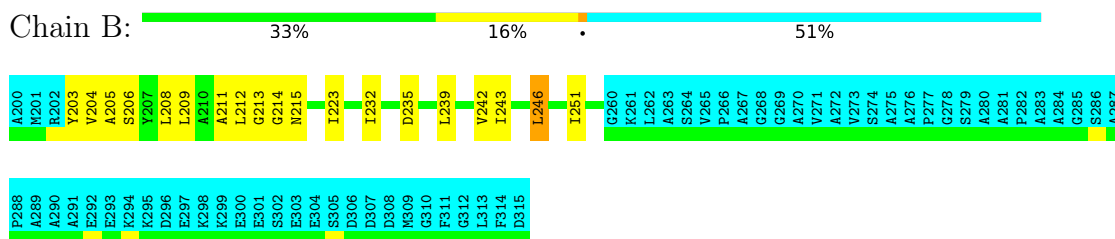


4.2.13 Score per residue for model 13

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

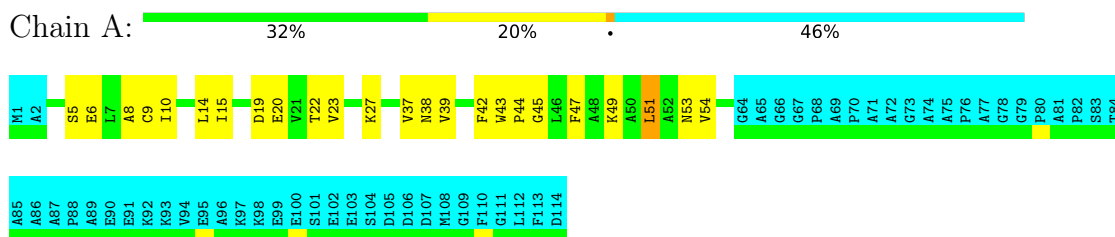


- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

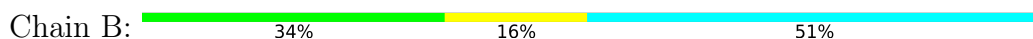


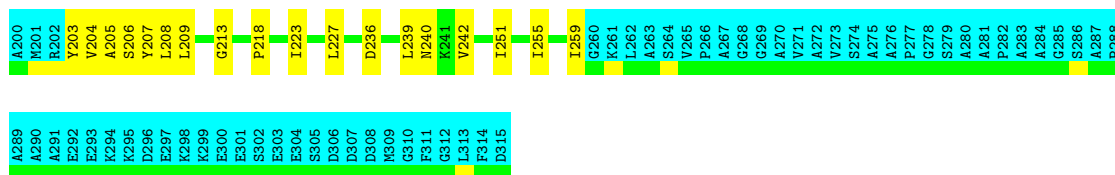
4.2.14 Score per residue for model 14

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1



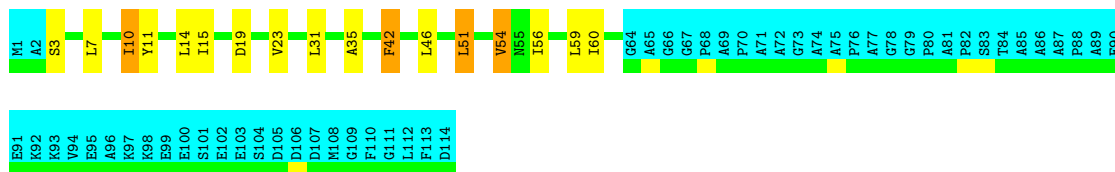
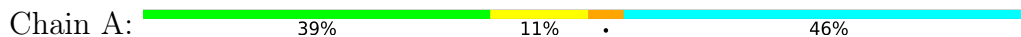
- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2



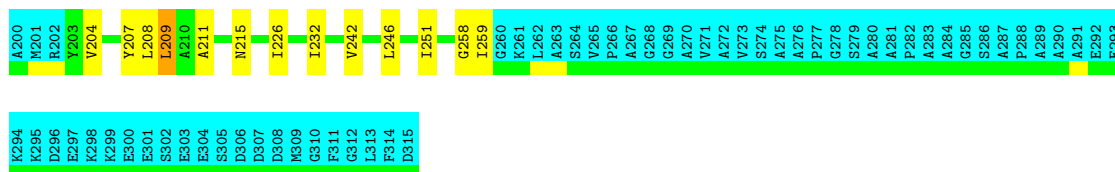
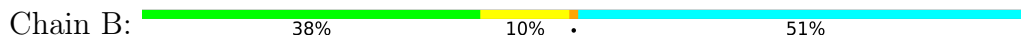


4.2.15 Score per residue for model 15

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

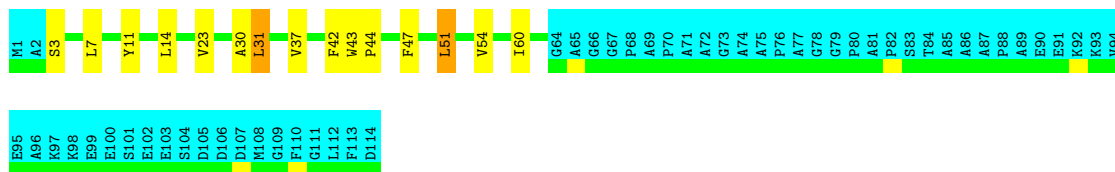


- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

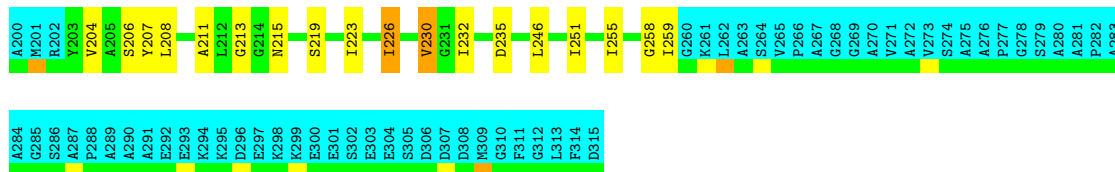
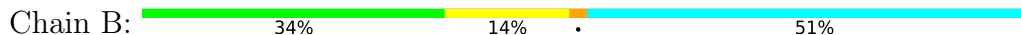


4.2.16 Score per residue for model 16

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

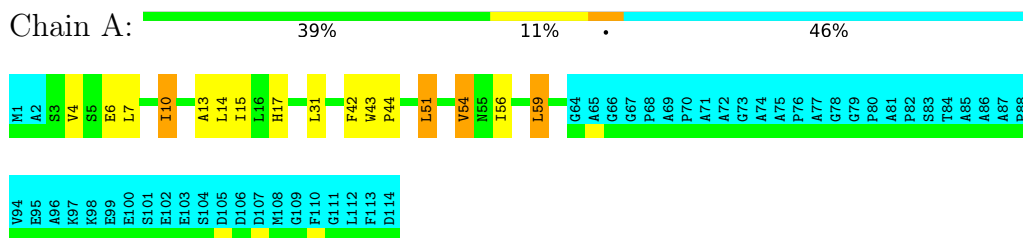


- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

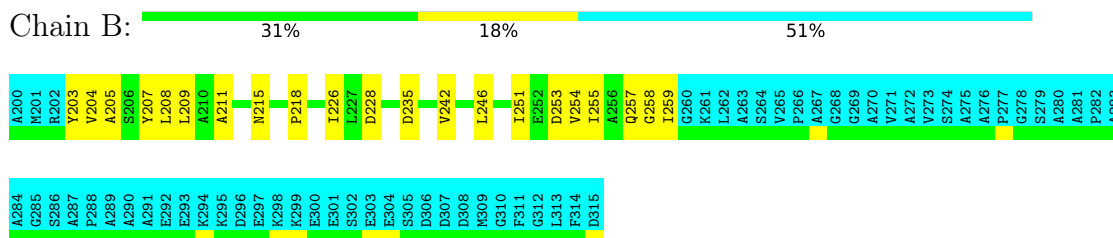


4.2.17 Score per residue for model 17

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

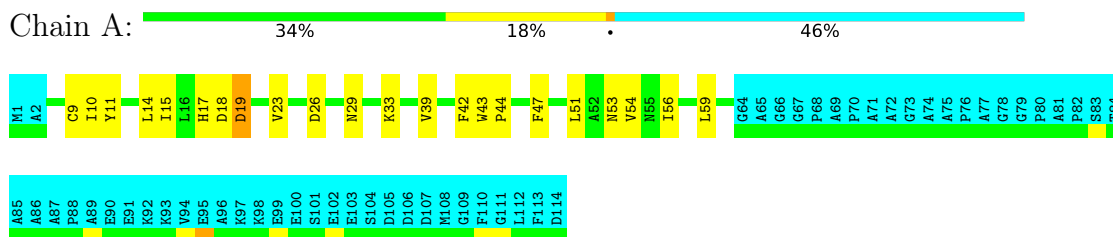


- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

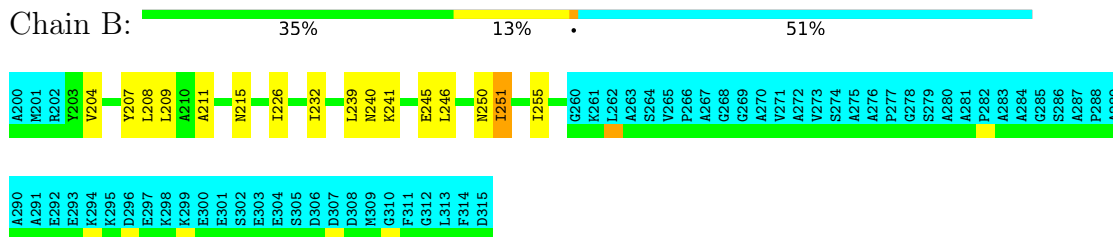


4.2.18 Score per residue for model 18

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1

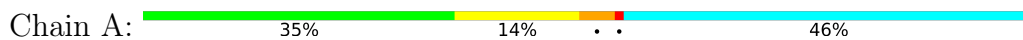


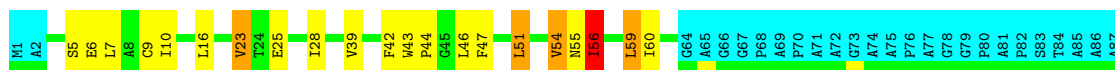
- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2



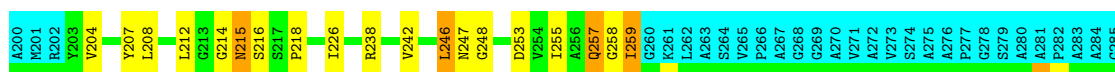
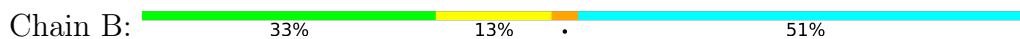
4.2.19 Score per residue for model 19

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1



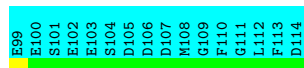
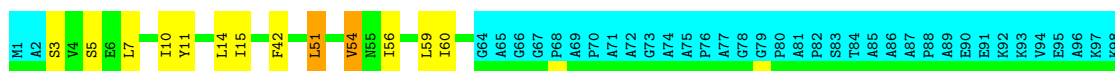


- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2

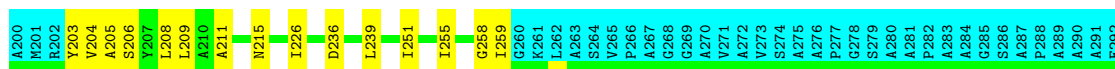
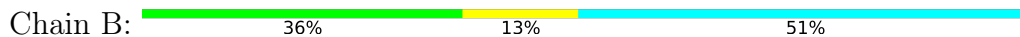


4.2.20 Score per residue for model 20

- Molecule 1: 60S ACIDIC RIBOSOMAL PROTEIN P1



- Molecule 2: 60S ACIDIC RIBOSOMAL PROTEIN P2



5 Refinement protocol and experimental data overview

The models were refined using the following method: *ARIA*.

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *LEAST RESTRAINT VIOLATION AND LOWEST ENERGY*.

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

Software name	Classification	Version
CNS	refinement	1.1
NMRView	structure solution	

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	2
Total number of shifts	1671
Number of shifts mapped to atoms	1671
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	64%

6 Model quality i

6.1 Standard geometry i

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts i

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	454	463	462	10±3
2	B	421	431	431	11±3
All	All	17500	17880	17860	357

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 10.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:56:ILE:O	1:A:59:LEU:HG	0.72	1.85	8	6
2:B:203:TYR:CE2	2:B:239:LEU:HA	0.70	2.21	6	1
2:B:209:LEU:HD12	2:B:226:ILE:HD12	0.70	1.62	11	1
2:B:204:VAL:O	2:B:208:LEU:HG	0.69	1.87	20	11
1:A:51:LEU:HA	1:A:54:VAL:HG23	0.68	1.65	3	15
2:B:207:TYR:HB2	2:B:246:LEU:HD21	0.65	1.68	11	1
1:A:11:TYR:OH	2:B:258:GLY:HA2	0.65	1.90	10	1
1:A:11:TYR:HB2	2:B:209:LEU:HD21	0.64	1.67	3	5
1:A:28:ILE:O	1:A:32:ILE:HG12	0.63	1.94	12	1
2:B:246:LEU:HD13	2:B:246:LEU:O	0.63	1.94	8	2
2:B:211:ALA:HA	2:B:215:ASN:O	0.61	1.95	5	14
2:B:207:TYR:CE1	2:B:251:ILE:HD11	0.61	2.30	1	5
1:A:56:ILE:O	1:A:59:LEU:HD12	0.61	1.94	6	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:47:PHE:O	1:A:51:LEU:HG	0.61	1.96	8	2
2:B:242:VAL:O	2:B:246:LEU:HD12	0.61	1.96	12	2
2:B:246:LEU:O	2:B:246:LEU:HG	0.60	1.96	2	2
1:A:9:CYS:SG	1:A:39:VAL:HG21	0.60	2.36	18	2
1:A:37:VAL:HG12	2:B:213:GLY:HA2	0.59	1.74	6	1
2:B:237:ASP:O	2:B:241:LYS:HB2	0.59	1.97	6	1
2:B:205:ALA:O	2:B:209:LEU:HG	0.59	1.98	17	3
2:B:246:LEU:O	2:B:246:LEU:HD13	0.59	1.97	19	1
1:A:6:GLU:HA	1:A:9:CYS:SG	0.58	2.37	14	4
1:A:47:PHE:O	1:A:51:LEU:HD12	0.58	1.99	9	1
2:B:241:LYS:O	2:B:245:GLU:HG2	0.58	1.98	18	1
2:B:243:ILE:HA	2:B:246:LEU:CD1	0.57	2.30	6	3
1:A:11:TYR:HB2	2:B:209:LEU:CD2	0.57	2.30	9	7
2:B:242:VAL:O	2:B:246:LEU:HB3	0.57	2.00	11	5
1:A:10:ILE:O	1:A:14:LEU:HG	0.57	2.00	9	2
1:A:51:LEU:HA	1:A:54:VAL:CG2	0.56	2.30	17	12
1:A:54:VAL:HG12	1:A:58:SER:CB	0.56	2.31	1	1
2:B:238:ARG:O	2:B:242:VAL:HG23	0.55	2.02	12	5
1:A:31:LEU:HD11	2:B:226:ILE:HG23	0.55	1.78	16	1
1:A:16:LEU:O	1:A:23:VAL:HB	0.55	2.02	2	1
1:A:11:TYR:OH	2:B:255:ILE:HG23	0.55	2.02	3	2
2:B:208:LEU:O	2:B:212:LEU:HG	0.55	2.00	7	1
2:B:227:LEU:HD23	2:B:234:ALA:HB2	0.55	1.78	9	1
1:A:51:LEU:HD12	1:A:54:VAL:HB	0.55	1.79	18	2
1:A:11:TYR:CD1	1:A:14:LEU:HD21	0.55	2.36	16	1
1:A:5:SER:OG	1:A:39:VAL:HG23	0.55	2.02	9	2
2:B:225:LYS:HD3	2:B:225:LYS:O	0.54	2.02	4	1
1:A:56:ILE:O	1:A:59:LEU:HD22	0.54	2.03	12	2
1:A:14:LEU:HD22	2:B:259:ILE:HG23	0.54	1.80	3	1
1:A:11:TYR:HD1	1:A:14:LEU:HD21	0.54	1.62	16	1
2:B:207:TYR:CD1	2:B:251:ILE:HD11	0.53	2.38	1	4
2:B:254:VAL:O	2:B:258:GLY:HA3	0.53	2.03	12	1
2:B:246:LEU:O	2:B:246:LEU:HD22	0.53	2.03	13	3
1:A:47:PHE:O	1:A:51:LEU:HD13	0.53	2.02	19	2
2:B:204:VAL:O	2:B:208:LEU:HD13	0.53	2.03	7	9
1:A:7:LEU:HD13	2:B:255:ILE:CG2	0.52	2.33	19	3
1:A:11:TYR:CE1	2:B:208:LEU:HD13	0.52	2.39	9	1
1:A:60:ILE:HG23	2:B:259:ILE:HD12	0.52	1.81	3	1
1:A:11:TYR:CZ	2:B:208:LEU:HD23	0.52	2.39	7	1
1:A:11:TYR:O	1:A:15:ILE:HG12	0.52	2.05	15	3
2:B:251:ILE:O	2:B:254:VAL:HG12	0.51	2.04	17	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:11:TYR:OH	2:B:255:ILE:HA	0.51	2.06	11	3
2:B:246:LEU:HD12	2:B:246:LEU:O	0.51	2.06	10	3
1:A:37:VAL:CG2	2:B:213:GLY:HA2	0.51	2.35	4	2
1:A:3:SER:O	1:A:7:LEU:HG	0.51	2.06	16	5
2:B:220:ALA:O	2:B:224:LYS:HB2	0.51	2.06	10	1
2:B:206:SER:OG	2:B:223:ILE:HG23	0.51	2.06	11	5
1:A:51:LEU:HA	1:A:54:VAL:CG1	0.51	2.36	11	1
1:A:23:VAL:HG11	1:A:51:LEU:HD23	0.51	1.83	4	2
1:A:47:PHE:O	1:A:51:LEU:HB3	0.51	2.06	18	2
2:B:249:LYS:H	2:B:249:LYS:HD3	0.50	1.66	11	1
1:A:56:ILE:O	1:A:59:LEU:HB2	0.50	2.07	15	1
2:B:239:LEU:HD12	2:B:240:ASN:N	0.50	2.21	18	4
1:A:16:LEU:HD23	1:A:23:VAL:HA	0.50	1.82	19	1
1:A:59:LEU:HD13	1:A:60:ILE:N	0.50	2.22	19	2
2:B:238:ARG:O	2:B:242:VAL:HG22	0.50	2.07	6	1
2:B:215:ASN:HD22	2:B:216:SER:N	0.49	2.05	19	1
2:B:251:ILE:HA	2:B:254:VAL:HG12	0.49	1.83	9	2
1:A:6:GLU:O	1:A:10:ILE:HB	0.49	2.07	11	2
1:A:59:LEU:HA	1:A:62:ASN:OD1	0.49	2.08	8	1
2:B:207:TYR:CB	2:B:246:LEU:HD21	0.49	2.38	11	1
1:A:27:LYS:N	1:A:27:LYS:HD2	0.49	2.21	13	1
1:A:5:SER:HB3	1:A:39:VAL:HG23	0.49	1.84	12	3
2:B:236:ASP:O	2:B:239:LEU:HG	0.49	2.07	14	1
1:A:60:ILE:HD11	2:B:259:ILE:HG21	0.48	1.85	15	1
1:A:6:GLU:O	1:A:10:ILE:HG23	0.48	2.07	17	1
2:B:205:ALA:HA	2:B:208:LEU:HD12	0.48	1.84	11	2
1:A:35:ALA:HB2	2:B:226:ILE:HD11	0.48	1.84	15	1
1:A:43:TRP:HB2	1:A:44:PRO:HD3	0.48	1.85	14	8
2:B:239:LEU:HD13	2:B:240:ASN:N	0.48	2.24	11	1
2:B:203:TYR:CD2	2:B:239:LEU:HA	0.48	2.44	13	1
1:A:42:PHE:O	1:A:46:LEU:HG	0.47	2.09	15	1
1:A:14:LEU:HD21	2:B:259:ILE:HG22	0.47	1.85	20	1
1:A:34:ALA:CB	2:B:226:ILE:HD13	0.47	2.39	11	1
2:B:219:SER:O	2:B:223:ILE:HD13	0.47	2.09	10	2
1:A:19:ASP:CG	1:A:20:GLU:H	0.47	2.13	14	2
1:A:30:ALA:HB3	2:B:230:VAL:HG11	0.47	1.86	16	1
1:A:7:LEU:O	1:A:10:ILE:HG22	0.47	2.10	3	1
1:A:29:ASN:OD1	1:A:33:LYS:HE3	0.47	2.10	18	1
1:A:7:LEU:HD13	2:B:255:ILE:HG22	0.47	1.87	19	1
2:B:235:ASP:O	2:B:239:LEU:HD12	0.47	2.09	11	1
1:A:40:GLU:O	1:A:44:PRO:HD2	0.46	2.10	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:208:LEU:O	2:B:212:LEU:HB3	0.46	2.10	1	1
1:A:35:ALA:HB3	2:B:209:LEU:HD12	0.46	1.87	15	1
1:A:37:VAL:HG13	2:B:213:GLY:HA2	0.46	1.86	1	1
1:A:51:LEU:HA	1:A:54:VAL:HG13	0.46	1.86	11	1
1:A:23:VAL:O	1:A:23:VAL:HG23	0.46	2.11	18	1
2:B:246:LEU:HD22	2:B:246:LEU:C	0.46	2.30	19	2
1:A:22:THR:O	1:A:27:LYS:HG3	0.46	2.10	14	1
1:A:43:TRP:O	1:A:47:PHE:HB2	0.46	2.10	19	2
2:B:224:LYS:O	2:B:228:ASP:HB2	0.46	2.11	12	1
1:A:31:LEU:HB2	2:B:230:VAL:CG1	0.46	2.40	12	1
1:A:14:LEU:HD12	1:A:15:ILE:N	0.46	2.25	14	1
2:B:243:ILE:HA	2:B:246:LEU:CD2	0.46	2.40	10	1
1:A:47:PHE:HA	1:A:51:LEU:HD13	0.46	1.88	16	2
1:A:15:ILE:HD12	1:A:31:LEU:HD21	0.46	1.88	17	1
2:B:207:TYR:CZ	2:B:218:PRO:HD2	0.45	2.46	17	5
1:A:51:LEU:HB3	1:A:54:VAL:HG22	0.45	1.88	11	1
1:A:11:TYR:CE1	2:B:208:LEU:HD23	0.45	2.47	18	1
1:A:51:LEU:C	1:A:53:ASN:H	0.45	2.15	18	4
1:A:37:VAL:HG22	2:B:213:GLY:HA2	0.45	1.89	13	1
1:A:11:TYR:CE2	2:B:208:LEU:HB3	0.45	2.47	20	1
1:A:37:VAL:HG22	2:B:213:GLY:HA3	0.45	1.87	14	1
1:A:19:ASP:OD2	2:B:232:ILE:HG21	0.45	2.12	15	1
1:A:14:LEU:HD11	2:B:205:ALA:CB	0.45	2.41	8	5
2:B:209:LEU:O	2:B:212:LEU:HG	0.45	2.12	9	2
1:A:60:ILE:HG12	2:B:259:ILE:HB	0.44	1.89	3	3
1:A:60:ILE:HG22	1:A:60:ILE:O	0.44	2.12	9	1
2:B:242:VAL:O	2:B:246:LEU:HG	0.44	2.12	17	1
1:A:4:VAL:HG12	2:B:212:LEU:HD11	0.44	1.88	3	1
2:B:246:LEU:C	2:B:246:LEU:HD22	0.44	2.32	8	2
2:B:206:SER:CB	2:B:223:ILE:HG23	0.44	2.42	3	1
2:B:212:LEU:C	2:B:212:LEU:HD22	0.44	2.33	11	1
1:A:28:ILE:O	1:A:32:ILE:HB	0.44	2.12	13	1
1:A:50:ALA:O	1:A:54:VAL:HG21	0.44	2.11	7	1
1:A:37:VAL:CG1	2:B:213:GLY:HA2	0.44	2.41	6	1
2:B:203:TYR:HB2	2:B:242:VAL:HG21	0.44	1.88	5	1
2:B:236:ASP:O	2:B:239:LEU:HB3	0.44	2.12	6	2
1:A:17:HIS:CD2	1:A:56:ILE:HB	0.44	2.48	17	2
1:A:25:GLU:HG3	1:A:26:ASP:N	0.44	2.27	13	1
2:B:251:ILE:O	2:B:255:ILE:HG12	0.43	2.14	2	2
1:A:15:ILE:HD11	2:B:206:SER:HA	0.43	1.90	20	1
1:A:11:TYR:HD1	1:A:14:LEU:HD12	0.43	1.73	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:7:LEU:HD22	1:A:11:TYR:OH	0.43	2.12	20	1
1:A:8:ALA:HB2	2:B:212:LEU:HD21	0.43	1.90	11	1
1:A:8:ALA:HB2	1:A:37:VAL:HG11	0.43	1.91	14	1
1:A:3:SER:O	1:A:7:LEU:HD13	0.43	2.13	5	1
2:B:205:ALA:HA	2:B:208:LEU:HB2	0.43	1.89	8	2
1:A:60:ILE:HG12	1:A:60:ILE:O	0.43	2.13	16	1
1:A:51:LEU:HB3	1:A:54:VAL:CG2	0.42	2.44	11	1
1:A:54:VAL:HG12	1:A:58:SER:HB3	0.42	1.90	1	1
1:A:11:TYR:HA	1:A:14:LEU:HG	0.42	1.90	16	1
1:A:10:ILE:O	1:A:13:ALA:HB3	0.42	2.14	17	1
1:A:16:LEU:HD22	1:A:28:ILE:HG13	0.42	1.89	19	1
1:A:11:TYR:HB2	2:B:209:LEU:CD1	0.42	2.44	4	1
1:A:31:LEU:HB2	2:B:230:VAL:HG22	0.42	1.92	7	1
2:B:216:SER:C	2:B:218:PRO:HD3	0.42	2.35	10	1
1:A:14:LEU:CD2	2:B:259:ILE:HG23	0.42	2.43	3	1
2:B:243:ILE:O	2:B:247:ASN:HB2	0.42	2.14	6	1
2:B:224:LYS:HE3	2:B:236:ASP:CG	0.42	2.35	11	1
1:A:45:GLY:O	1:A:49:LYS:HG2	0.42	2.15	14	1
1:A:5:SER:HB2	1:A:39:VAL:HG23	0.42	1.90	19	1
2:B:239:LEU:O	2:B:243:ILE:HG13	0.42	2.15	1	2
2:B:253:ASP:O	2:B:257:GLN:HG2	0.42	2.14	19	2
1:A:57:GLY:O	1:A:60:ILE:HG22	0.41	2.15	8	1
2:B:203:TYR:OH	2:B:235:ASP:HB2	0.41	2.15	17	1
1:A:31:LEU:CD2	2:B:209:LEU:HG	0.41	2.44	5	1
2:B:207:TYR:HD2	2:B:251:ILE:HD13	0.41	1.75	7	1
1:A:4:VAL:HA	1:A:7:LEU:HD12	0.41	1.91	17	1
2:B:212:LEU:HD12	2:B:212:LEU:C	0.41	2.35	12	1
1:A:41:PRO:C	1:A:44:PRO:HD2	0.41	2.36	2	1
2:B:225:LYS:NZ	2:B:226:ILE:HD12	0.41	2.30	5	1
1:A:59:LEU:HD23	1:A:60:ILE:N	0.41	2.31	12	1
1:A:14:LEU:HD11	2:B:259:ILE:O	0.41	2.16	4	1
2:B:247:ASN:CG	2:B:248:GLY:H	0.41	2.19	19	1
2:B:203:TYR:CZ	2:B:239:LEU:HA	0.41	2.51	6	1
1:A:13:ALA:HB1	1:A:59:LEU:HD21	0.41	1.92	11	1
1:A:43:TRP:HB2	1:A:44:PRO:CD	0.41	2.46	18	1
1:A:60:ILE:HG12	2:B:259:ILE:HD12	0.41	1.91	20	1
2:B:259:ILE:HD13	2:B:259:ILE:H	0.41	1.75	10	1
2:B:203:TYR:HB2	2:B:242:VAL:HG11	0.41	1.91	14	1
1:A:60:ILE:HA	2:B:259:ILE:HD12	0.41	1.92	20	1
1:A:23:VAL:HG21	1:A:51:LEU:HD23	0.41	1.93	5	1
2:B:239:LEU:HD13	2:B:240:ASN:H	0.41	1.75	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
2:B:207:TYR:HD1	2:B:251:ILE:HD13	0.41	1.76	14	1
2:B:241:LYS:O	2:B:245:GLU:HG3	0.41	2.16	1	1
2:B:203:TYR:CD1	2:B:239:LEU:HA	0.41	2.51	20	1
2:B:204:VAL:HG23	2:B:205:ALA:H	0.41	1.76	20	1
2:B:242:VAL:HA	2:B:245:GLU:OE2	0.40	2.15	7	1
1:A:24:THR:OG1	1:A:27:LYS:HG2	0.40	2.16	2	1
1:A:19:ASP:O	1:A:20:GLU:HG2	0.40	2.16	8	1
1:A:10:ILE:HG13	1:A:59:LEU:HD23	0.40	1.93	15	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	61/114 (54%)	50±3 (82±4%)	9±2 (14±4%)	2±1 (4±2%)	6	35
2	B	57/116 (49%)	50±3 (87±5%)	6±2 (10±4%)	1±1 (2±2%)	10	50
All	All	2360/4600 (51%)	1999 (85%)	294 (12%)	67 (3%)	8	42

All 23 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	51	LEU	12
1	A	54	VAL	8
1	A	23	VAL	7
1	A	56	ILE	5
2	B	214	GLY	5
2	B	259	ILE	5
2	B	258	GLY	4
1	A	55	ASN	3
1	A	19	ASP	2
1	A	52	ALA	2
2	B	232	ILE	2
1	A	17	HIS	1
2	B	218	PRO	1

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Mol	Chain	Res	Type	Models (Total)
1	A	18	ASP	1
1	A	37	VAL	1
2	B	239	LEU	1
2	B	247	ASN	1
2	B	246	LEU	1
1	A	63	VAL	1
2	B	234	ALA	1
2	B	235	ASP	1
2	B	230	VAL	1
2	B	257	GLN	1

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	50/81 (62%)	46±2 (91±3%)	4±2 (9±3%)	13	60
2	B	46/83 (55%)	43±2 (93±4%)	3±2 (7±4%)	18	67
All	All	1920/3280 (59%)	1765 (92%)	155 (8%)	15	63

All 49 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	42	PHE	19
1	A	10	ILE	12
2	B	226	ILE	12
1	A	59	LEU	8
2	B	246	LEU	8
2	B	209	LEU	7
1	A	31	LEU	6
1	A	54	VAL	6
2	B	228	ASP	6
2	B	212	LEU	5
1	A	17	HIS	5
2	B	227	LEU	4
2	B	259	ILE	4
2	B	251	ILE	4

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Mol	Chain	Res	Type	Models (Total)
1	A	19	ASP	3
1	A	37	VAL	2
1	A	40	GLU	2
2	B	257	GLN	2
1	A	29	ASN	2
2	B	249	LYS	2
1	A	24	THR	2
1	A	18	ASP	2
1	A	25	GLU	2
1	A	47	PHE	2
2	B	232	ILE	2
1	A	46	LEU	2
2	B	235	ASP	2
1	A	58	SER	1
2	B	241	LYS	1
1	A	20	GLU	1
1	A	3	SER	1
1	A	15	ILE	1
1	A	62	ASN	1
1	A	9	CYS	1
1	A	21	VAL	1
2	B	230	VAL	1
1	A	6	GLU	1
2	B	239	LEU	1
2	B	247	ASN	1
2	B	221	LYS	1
1	A	22	THR	1
1	A	55	ASN	1
1	A	38	ASN	1
1	A	23	VAL	1
1	A	26	ASP	1
2	B	250	ASN	1
1	A	56	ILE	1
2	B	215	ASN	1
1	A	5	SER	1

6.3.3 RNA

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 monosaccharides 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 i

The completeness of assignment taking into account all chemical shift lists is 64% for the well-defined parts and 60% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *p1.csh*

7.1.1 Bookkeeping i

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	822
Number of shifts mapped to atoms	822
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing i

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	106	-0.21 ± 0.09	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	86	-0.09 ± 0.06	None needed (< 0.5 ppm)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	0	—	None (insufficient data)

7.1.3 Completeness of resonance assignments i

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 33%, i.e. 503 atoms were assigned a chemical shift out of a possible 1539. 0 out of 24 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	167/592 (28%)	106/241 (44%)	61/236 (26%)	0/115 (0%)
Sidechain	321/880 (36%)	250/580 (43%)	71/279 (25%)	0/21 (0%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	15/67 (22%)	15/32 (47%)	0/32 (0%)	0/3 (0%)
Overall	503/1539 (33%)	371/853 (43%)	132/547 (24%)	0/139 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 30%, i.e. 822 atoms were assigned a chemical shift out of a possible 2773. 0 out of 31 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	303/1147 (26%)	197/470 (42%)	106/460 (23%)	0/217 (0%)
Sidechain	502/1519 (33%)	383/997 (38%)	119/489 (24%)	0/33 (0%)
Aromatic	17/107 (16%)	17/52 (33%)	0/52 (0%)	0/3 (0%)
Overall	822/2773 (30%)	597/1519 (39%)	225/1001 (22%)	0/253 (0%)

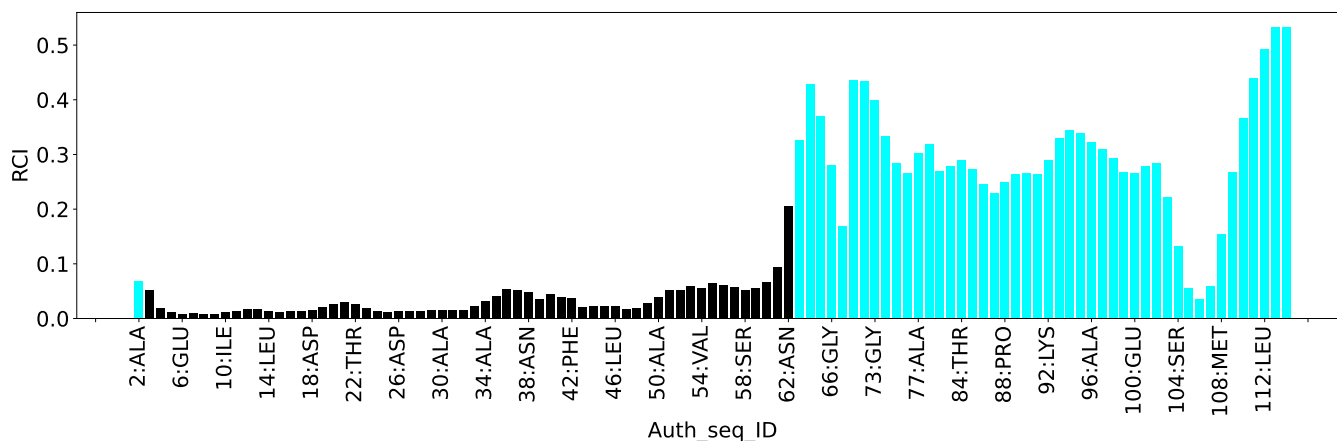
7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

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:



7.2 Chemical shift list 2

File name: working_cs.cif

Chemical shift list name: p2.csh

7.2.1 Bookkeeping [i](#)

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	849
Number of shifts mapped to atoms	849
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.2.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	103	-0.02 ± 0.06	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	86	0.18 ± 0.08	None needed (< 0.5 ppm)
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	0	—	None (insufficient data)

7.2.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 31%, i.e. 476 atoms were assigned a chemical shift out of a possible 1539. 0 out of 24 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	169/592 (29%)	114/241 (47%)	55/236 (23%)	0/115 (0%)
Sidechain	299/880 (34%)	240/580 (41%)	59/279 (21%)	0/21 (0%)
Aromatic	8/67 (12%)	8/32 (25%)	0/32 (0%)	0/3 (0%)
Overall	476/1539 (31%)	362/853 (42%)	114/547 (21%)	0/139 (0%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 31%, i.e. 849 atoms were assigned a chemical shift out of a possible 2773. 0 out of 31 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	325/1147 (28%)	222/470 (47%)	103/460 (22%)	0/217 (0%)
Sidechain	508/1519 (33%)	406/997 (41%)	102/489 (21%)	0/33 (0%)
Aromatic	16/107 (15%)	16/52 (31%)	0/52 (0%)	0/3 (0%)
Overall	849/2773 (31%)	644/1519 (42%)	205/1001 (20%)	0/253 (0%)

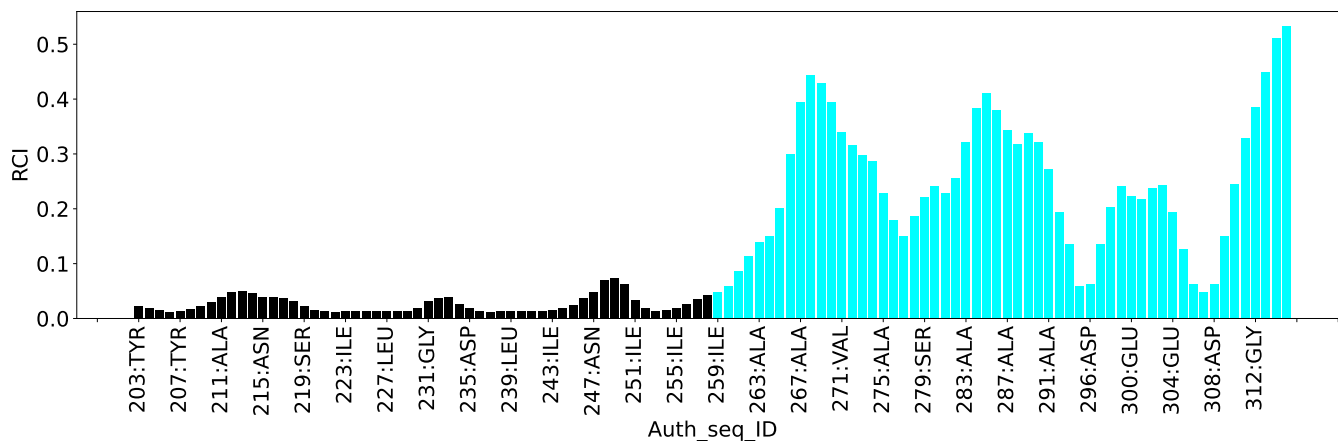
7.2.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

7.2.5 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 B:



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	1369
Intra-residue ($ i-j =0$)	581
Sequential ($ i-j =1$)	307
Medium range ($ i-j >1$ and $ i-j <5$)	122
Long range ($ i-j \geq 5$)	99
Inter-chain	142
Hydrogen bond restraints	118
Disulfide bond restraints	0
Total dihedral-angle restraints	258
Number of unmapped restraints	0
Number of restraints per residue	7.1
Number of long range restraints per residue ¹	0.4

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	62.6	0.2
0.2-0.5 (Medium)	44.0	0.5
>0.5 (Large)	37.6	4.96

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)	3.4	9.9
10.0-20.0 (Medium)	0.9	19.7
>20.0 (Large)	27.1	154.7

9 Distance violation analysis [i](#)

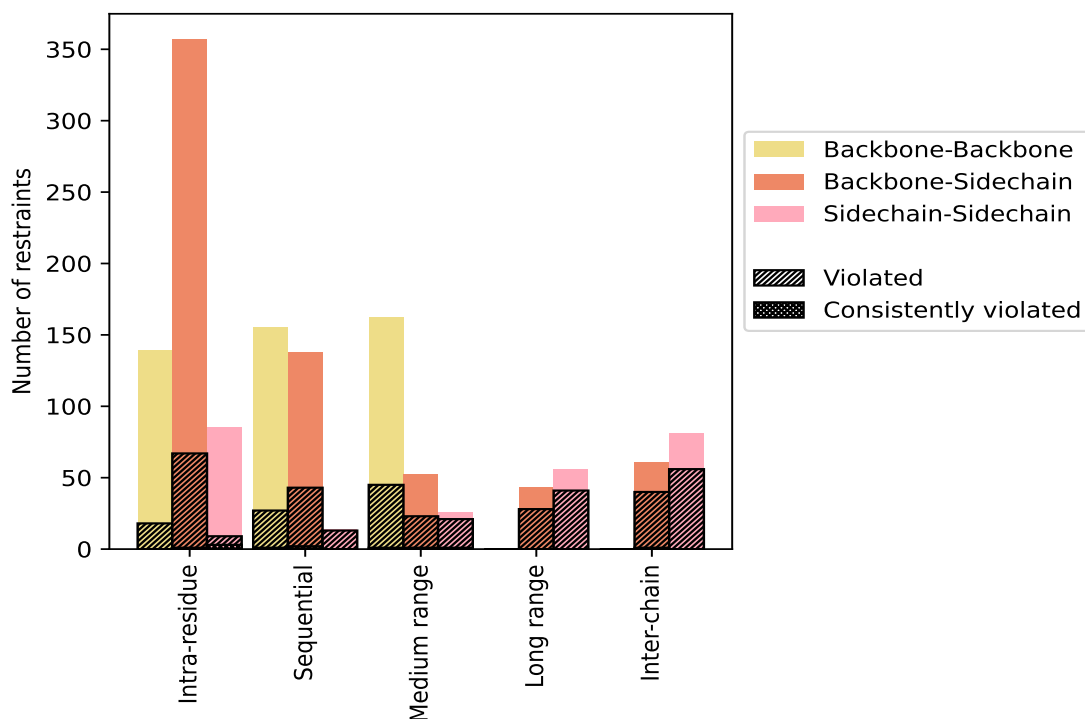
9.1 Summary of distance violations [i](#)

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	581	42.4	94	16.2	6.9	4	0.7	0.3
Backbone-Backbone	139	10.2	18	12.9	1.3	0	0.0	0.0
Backbone-Sidechain	357	26.1	67	18.8	4.9	1	0.3	0.1
Sidechain-Sidechain	85	6.2	9	10.6	0.7	3	3.5	0.2
Sequential ($i-j =1$)	307	22.4	83	27.0	6.1	3	1.0	0.2
Backbone-Backbone	155	11.3	27	17.4	2.0	1	0.6	0.1
Backbone-Sidechain	138	10.1	43	31.2	3.1	2	1.4	0.1
Sidechain-Sidechain	14	1.0	13	92.9	0.9	0	0.0	0.0
Medium range ($i-j >1$ & $i-j <5$)	122	8.9	47	38.5	3.4	2	1.6	0.1
Backbone-Backbone	44	3.2	3	6.8	0.2	0	0.0	0.0
Backbone-Sidechain	52	3.8	23	44.2	1.7	1	1.9	0.1
Sidechain-Sidechain	26	1.9	21	80.8	1.5	1	3.8	0.1
Long range ($i-j \geq 5$)	99	7.2	69	69.7	5.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	43	3.1	28	65.1	2.0	0	0.0	0.0
Sidechain-Sidechain	56	4.1	41	73.2	3.0	0	0.0	0.0
Inter-chain	142	10.4	96	67.6	7.0	1	0.7	0.1
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	61	4.5	40	65.6	2.9	1	1.6	0.1
Sidechain-Sidechain	81	5.9	56	69.1	4.1	0	0.0	0.0
Hydrogen bond	118	8.6	42	35.6	3.1	1	0.8	0.1
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1369	100.0	431	31.5	31.5	11	0.8	0.8
Backbone-Backbone	456	33.3	90	19.7	6.6	2	0.4	0.1
Backbone-Sidechain	651	47.6	201	30.9	14.7	5	0.8	0.4
Sidechain-Sidechain	262	19.1	140	53.4	10.2	4	1.5	0.3

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 disulfid 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	37	23	27	25	32	144	0.4	3.36	0.5	0.22
2	31	19	33	39	25	147	0.6	3.63	0.81	0.23
3	30	20	30	29	29	138	0.5	3.47	0.63	0.24
4	30	20	31	35	37	153	0.55	3.1	0.64	0.22
5	33	21	21	31	33	139	0.52	3.45	0.66	0.23
6	29	18	31	27	37	142	0.48	2.68	0.57	0.23
7	34	18	30	40	39	161	0.64	4.96	0.83	0.25
8	36	22	32	36	26	152	0.52	2.7	0.63	0.23
9	32	22	30	33	31	148	0.63	3.72	0.84	0.24
10	36	16	29	35	35	151	0.64	4.94	0.84	0.24
11	37	19	29	32	29	146	0.49	2.52	0.55	0.23

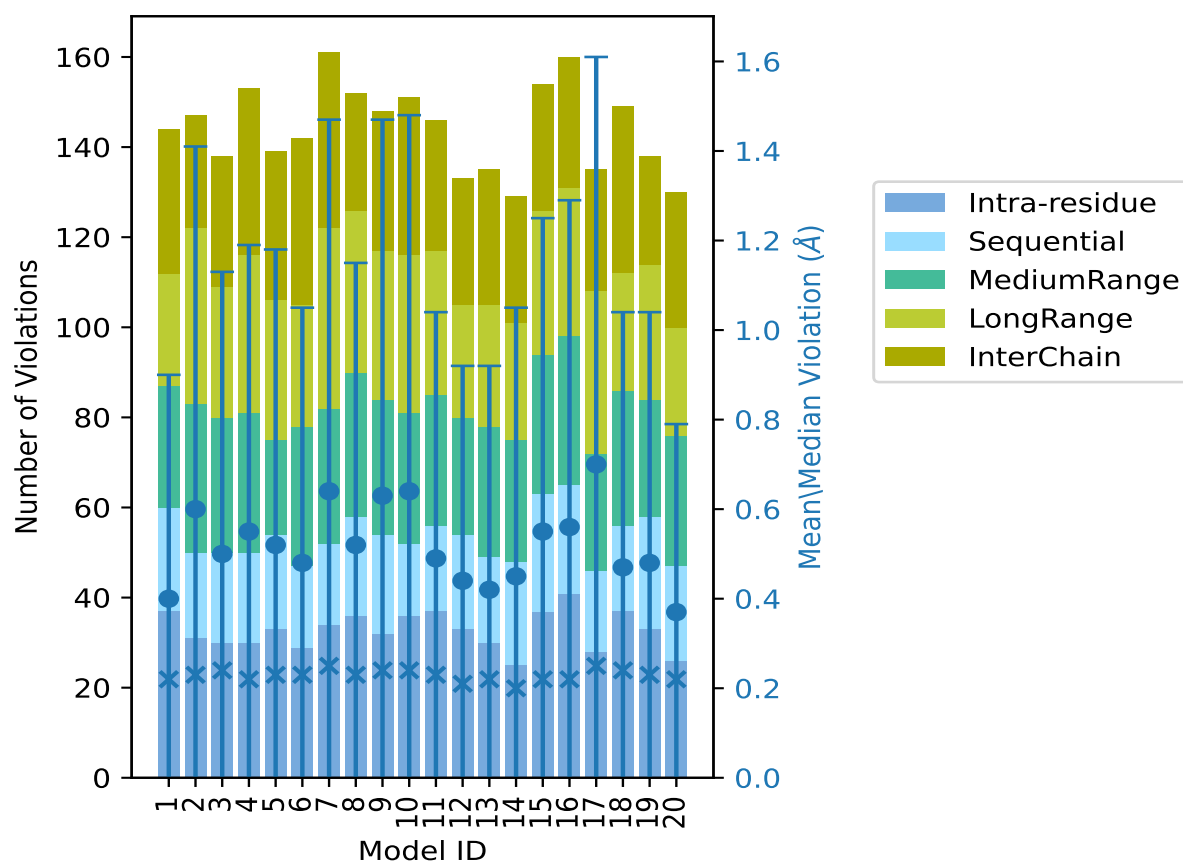
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Model ID	Number of violations					Total	Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵					
12	33	21	26	25	28	133	0.44	2.09	0.48	0.21
13	30	19	29	27	30	135	0.42	2.44	0.5	0.22
14	25	23	27	26	28	129	0.45	2.7	0.6	0.2
15	37	26	31	32	28	154	0.55	3.06	0.7	0.22
16	41	24	33	33	29	160	0.56	3.51	0.73	0.22
17	28	18	26	36	27	135	0.7	3.72	0.91	0.25
18	37	19	30	26	37	149	0.47	3.42	0.57	0.24
19	33	25	26	30	24	138	0.48	2.73	0.56	0.23
20	26	21	29	24	30	130	0.37	2.38	0.42	0.22

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

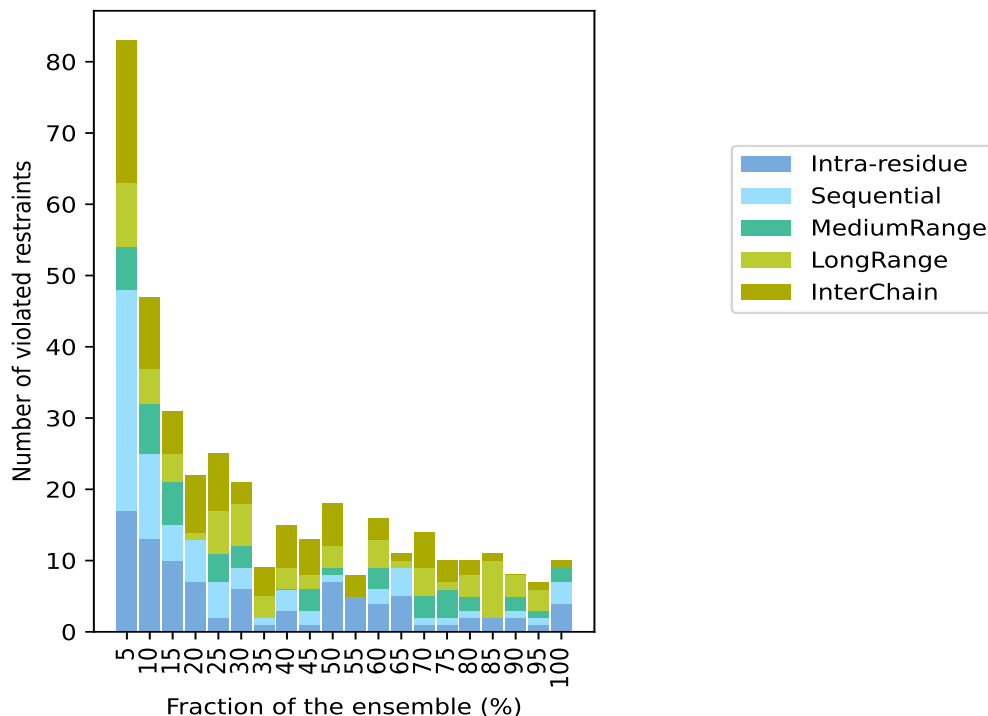
9.3 Distance violation statistics for the ensemble

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, 862(IR:487, SQ:224, MR:75, LR:30, IC:46) 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	%
17	31	6	9	20	83	1	5.0
13	12	7	5	10	47	2	10.0
10	5	6	4	6	31	3	15.0
7	6	0	1	8	22	4	20.0
2	5	4	6	8	25	5	25.0
6	3	3	6	3	21	6	30.0
1	1	0	3	4	9	7	35.0
3	3	0	3	6	15	8	40.0
1	2	3	2	5	13	9	45.0
7	1	1	3	6	18	10	50.0
5	0	0	0	3	8	11	55.0
4	2	3	4	3	16	12	60.0
5	4	0	1	1	11	13	65.0
1	1	3	4	5	14	14	70.0
1	1	4	1	3	10	15	75.0
2	1	2	3	2	10	16	80.0
2	0	0	8	1	11	17	85.0
2	1	2	3	0	8	18	90.0
1	1	1	3	1	7	19	95.0
4	3	2	0	1	10	20	100.0

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

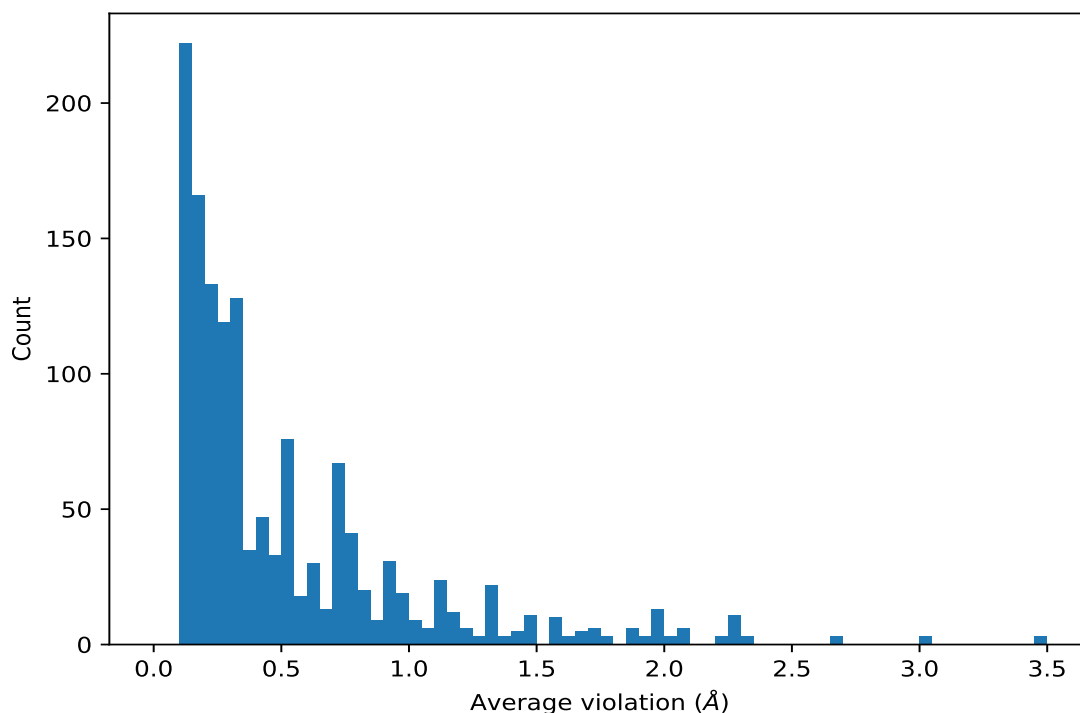
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	20	0.77	0.72	0.32
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	20	0.77	0.72	0.32
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	20	0.77	0.72	0.32
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	20	0.77	0.72	0.32
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	20	0.77	0.72	0.32
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	20	0.77	0.72	0.32
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	20	0.77	0.72	0.32
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	20	0.77	0.72	0.32
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	20	0.77	0.72	0.32
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	20	0.73	0.84	0.32
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	20	0.73	0.84	0.32
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	20	0.73	0.84	0.32
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	20	0.26	0.0	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	20	0.26	0.0	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	20	0.26	0.0	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	20	0.26	0.0	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	20	0.26	0.0	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	20	0.26	0.0	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	20	0.26	0.0	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	20	0.26	0.0	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	20	0.26	0.0	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	20	0.26	0.0	0.26
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	20	0.24	0.05	0.24
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	20	0.24	0.05	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	20	0.24	0.0	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	20	0.24	0.0	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	20	0.24	0.0	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	20	0.24	0.0	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	20	0.24	0.0	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	20	0.24	0.0	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	20	0.24	0.0	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	20	0.24	0.0	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	20	0.24	0.0	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	20	0.24	0.0	0.24
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	20	0.24	0.04	0.23
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	20	0.24	0.04	0.23
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	20	0.24	0.04	0.23
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	20	0.23	0.04	0.22
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	20	0.23	0.04	0.22
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	20	0.19	0.04	0.18
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	20	0.19	0.03	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	20	0.19	0.03	0.17
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	20	0.14	0.02	0.14
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	20	0.14	0.02	0.14
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	20	0.14	0.02	0.14
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	20	0.12	0.0	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	20	0.12	0.0	0.12
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	19	1.97	1.21	2.06
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	19	1.97	1.21	2.06
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	19	1.97	1.21	2.06
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	19	1.32	1.07	0.67
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	19	1.32	1.07	0.67
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	19	0.81	0.55	0.59
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	19	0.81	0.55	0.59
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	19	0.35	0.27	0.27
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	19	0.35	0.27	0.27
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	19	0.35	0.27	0.27
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	19	0.35	0.27	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	19	0.35	0.27	0.27
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	19	0.35	0.27	0.27
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	19	0.34	0.08	0.36
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	19	0.34	0.08	0.36
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	19	0.34	0.08	0.36
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	19	0.34	0.08	0.36
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	19	0.34	0.08	0.36
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	19	0.26	0.04	0.26
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	19	0.26	0.04	0.26
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	19	0.26	0.04	0.26
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	19	0.25	0.04	0.26
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	19	0.25	0.04	0.26
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	19	0.2	0.05	0.19
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	19	0.2	0.05	0.19
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	19	0.2	0.05	0.19
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	19	0.2	0.05	0.19
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	19	0.17	0.02	0.17
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	19	0.16	0.04	0.15
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	18	1.3	0.54	1.24
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	18	1.3	0.54	1.24
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	18	1.3	0.54	1.24
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	18	0.96	0.73	0.97
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	18	0.96	0.73	0.97
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	18	0.96	0.73	0.97
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	18	0.96	0.73	0.97
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	18	0.96	0.73	0.97
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	18	0.96	0.73	0.97
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	18	0.96	0.73	0.97
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	18	0.96	0.73	0.97
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	18	0.71	0.24	0.76
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	18	0.71	0.24	0.76
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	18	0.71	0.24	0.76
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	18	0.64	0.39	0.59
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	18	0.64	0.39	0.59
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	18	0.25	0.16	0.22
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	18	0.25	0.16	0.22
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	18	0.25	0.16	0.22
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	18	0.25	0.16	0.22
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	18	0.25	0.16	0.22
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	18	0.23	0.05	0.24
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	18	0.23	0.05	0.24
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	18	0.22	0.05	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	18	0.22	0.05	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	18	0.22	0.05	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	18	0.22	0.05	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	18	0.22	0.05	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	18	0.22	0.05	0.23
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	18	0.2	0.03	0.2
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	17	2.32	0.43	2.19
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	17	2.32	0.43	2.19
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	17	2.32	0.43	2.19
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	17	2.25	0.67	2.34
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	17	2.24	0.63	2.26
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	17	2.24	0.63	2.26
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	17	2.24	0.63	2.26
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	17	1.59	0.46	1.55
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	17	1.59	0.46	1.55
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	17	1.59	0.46	1.55
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	17	1.59	0.46	1.55
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	17	1.59	0.46	1.55
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	17	1.41	0.45	1.37
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	17	1.41	0.45	1.37
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	17	1.41	0.45	1.37
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	17	1.41	0.45	1.37
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	17	1.41	0.45	1.37
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	17	1.37	0.81	1.77
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	17	1.37	0.81	1.77
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	17	1.37	0.81	1.77
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	17	1.19	0.44	1.21
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	17	0.5	0.18	0.56
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	17	0.5	0.18	0.56
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	17	0.5	0.18	0.56
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	17	0.5	0.18	0.56
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	17	0.22	0.02	0.23
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	17	0.22	0.02	0.23
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	17	0.22	0.02	0.23
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	17	0.22	0.02	0.23
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	17	0.22	0.02	0.23
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	17	0.18	0.06	0.21
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	17	0.18	0.06	0.21
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	17	0.17	0.04	0.18
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	17	0.17	0.04	0.18
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	17	0.17	0.04	0.18
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	17	0.17	0.04	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	17	0.17	0.04	0.18
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	17	0.17	0.04	0.18
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	17	0.17	0.04	0.18
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	17	0.17	0.04	0.18
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	17	0.17	0.04	0.18
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	16	1.61	0.47	1.52
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	16	1.61	0.47	1.52
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	16	1.61	0.47	1.52
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	16	1.1	0.46	1.09
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	16	1.1	0.46	1.09
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	16	1.1	0.46	1.09
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	16	1.1	0.46	1.09
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	16	1.1	0.46	1.09
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	16	1.1	0.46	1.09
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	16	1.1	0.46	1.09
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	16	1.01	1.23	0.22
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	16	1.01	1.23	0.22
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	16	1.01	1.23	0.22
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	16	0.78	0.38	0.78
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	16	0.78	0.38	0.78
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	16	0.78	0.38	0.78
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	16	0.78	0.38	0.78
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	16	0.78	0.38	0.78
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	16	0.78	0.38	0.78
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	16	0.78	0.38	0.78
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	16	0.78	0.38	0.78
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	16	0.32	0.19	0.26
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	16	0.32	0.19	0.26
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	16	0.32	0.19	0.26
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	16	0.32	0.19	0.26
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	16	0.32	0.19	0.26
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	16	0.32	0.19	0.26
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	16	0.31	0.14	0.32
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	16	0.31	0.14	0.32
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	16	0.31	0.14	0.32
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	16	0.31	0.14	0.32
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	16	0.31	0.14	0.32
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	16	0.31	0.14	0.32
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	16	0.24	0.03	0.24
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	16	0.24	0.03	0.24
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	16	0.24	0.03	0.24
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	16	0.24	0.05	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	16	0.17	0.04	0.18
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	16	0.17	0.04	0.18
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	16	0.17	0.04	0.18
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	16	0.15	0.04	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	16	0.15	0.04	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	16	0.15	0.04	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	16	0.15	0.04	0.15
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	16	0.15	0.04	0.15
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	15	1.58	1.14	1.82
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	15	1.58	1.14	1.82
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	15	1.58	1.14	1.82
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	15	1.22	0.35	1.32
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	15	1.22	0.35	1.32
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	15	1.22	0.35	1.32
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	15	1.22	0.35	1.32
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	15	1.22	0.35	1.32
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	15	1.22	0.35	1.32
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	15	0.22	0.05	0.21
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	15	0.22	0.05	0.21
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	15	0.2	0.01	0.21
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	15	0.19	0.05	0.18
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	15	0.19	0.16	0.14
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	15	0.19	0.16	0.14
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	15	0.19	0.16	0.14
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	15	0.19	0.16	0.14
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	15	0.19	0.16	0.14
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	15	0.18	0.04	0.17
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	15	0.18	0.04	0.17
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	15	0.18	0.04	0.17
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	15	0.18	0.05	0.17
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	15	0.18	0.05	0.17
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	15	0.18	0.05	0.17
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	15	0.16	0.04	0.16
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	15	0.16	0.04	0.16
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	15	0.16	0.04	0.16
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	15	0.16	0.04	0.16
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	15	0.16	0.04	0.16
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	15	0.14	0.03	0.14
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	15	0.14	0.03	0.14
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	15	0.14	0.03	0.14
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	15	0.14	0.02	0.14
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	14	2.28	1.03	2.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	14	2.28	1.03	2.19
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	14	2.28	1.03	2.19
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	14	2.28	1.03	2.19
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	14	2.28	1.03	2.19
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	14	2.28	1.03	2.19
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	14	2.28	1.03	2.19
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	14	2.28	1.03	2.19
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	14	2.28	1.03	2.19
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	14	2.28	1.03	2.19
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	14	1.92	1.13	2.66
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	14	1.92	1.13	2.66
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	14	1.92	1.13	2.66
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	14	1.19	0.49	1.38
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	14	1.19	0.49	1.38
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	14	1.19	0.49	1.38
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	14	1.19	0.49	1.38
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	14	1.19	0.49	1.38
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	14	1.19	0.49	1.38
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	14	1.19	0.49	1.38
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	14	1.19	0.49	1.38
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	14	1.13	0.97	0.82
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	14	1.13	0.97	0.82
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	14	1.13	0.97	0.82
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	14	1.13	0.97	0.82
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	14	1.13	0.97	0.82
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	14	0.76	0.58	0.71
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	14	0.76	0.58	0.71
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	14	0.72	0.26	0.76
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	14	0.72	0.26	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	14	0.72	0.26	0.76
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	14	0.72	0.26	0.76
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	14	0.72	0.26	0.76
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	14	0.72	0.26	0.76
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	14	0.61	0.32	0.64
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	14	0.61	0.32	0.64
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	14	0.61	0.32	0.64
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	14	0.61	0.32	0.64
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	14	0.54	0.21	0.54
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	14	0.54	0.21	0.54
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	14	0.28	0.15	0.22
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	14	0.28	0.15	0.22
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	14	0.28	0.15	0.22
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	14	0.28	0.15	0.22
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	14	0.28	0.15	0.22
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	14	0.2	0.06	0.19
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	14	0.2	0.06	0.19
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	14	0.2	0.06	0.19
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	14	0.18	0.04	0.18
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	14	0.18	0.06	0.18
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	14	0.18	0.06	0.18
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	14	0.18	0.06	0.18
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	14	0.18	0.06	0.16
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	14	0.18	0.06	0.16
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	14	0.18	0.06	0.16
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	14	0.17	0.05	0.16
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	14	0.17	0.05	0.16
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	13	1.87	0.11	1.85
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	13	1.87	0.11	1.85
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	13	1.87	0.11	1.85

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	13	1.87	0.11	1.85
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	13	1.87	0.11	1.85
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	13	1.87	0.11	1.85
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	13	0.8	0.49	0.64
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	13	0.8	0.49	0.64
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	13	0.73	0.28	0.77
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	13	0.73	0.28	0.77
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	13	0.73	0.28	0.77
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	13	0.57	0.46	0.3
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	13	0.57	0.46	0.3
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	13	0.57	0.46	0.3
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	13	0.24	0.06	0.24
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	13	0.18	0.04	0.19
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	13	0.15	0.03	0.14
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	13	0.15	0.03	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	13	0.15	0.03	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	13	0.15	0.03	0.14
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	13	0.14	0.02	0.14
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	13	0.14	0.02	0.15
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	13	0.14	0.02	0.15
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	13	0.14	0.02	0.15
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	13	0.13	0.02	0.14
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	12	3.03	0.92	2.64
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	12	3.03	0.92	2.64
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	12	3.03	0.92	2.64
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	12	1.57	1.56	0.4
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	12	1.57	1.56	0.4
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	12	0.95	0.32	1.06
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	12	0.7	0.25	0.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	12	0.7	0.25	0.72
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	12	0.7	0.25	0.72
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	12	0.7	0.25	0.72
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	12	0.7	0.25	0.72
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	12	0.7	0.25	0.72
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	12	0.54	0.15	0.62
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	12	0.54	0.15	0.62
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	12	0.54	0.15	0.62
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	12	0.54	0.15	0.62
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	12	0.47	0.38	0.31
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	12	0.47	0.38	0.31
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	12	0.47	0.38	0.31
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	12	0.47	0.38	0.31
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	12	0.47	0.38	0.31
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	12	0.47	0.38	0.31
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	12	0.47	0.38	0.31
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	12	0.47	0.38	0.31
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	12	0.45	0.3	0.39
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	12	0.45	0.3	0.39
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	12	0.45	0.3	0.39
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	12	0.45	0.3	0.39
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	12	0.45	0.3	0.39
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	12	0.45	0.3	0.39
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	12	0.45	0.3	0.39
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	12	0.45	0.3	0.39
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	12	0.45	0.3	0.39
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	12	0.33	0.26	0.2
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	12	0.33	0.26	0.2
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	12	0.33	0.26	0.2
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	12	0.33	0.26	0.2
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	12	0.33	0.14	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	12	0.33	0.14	0.31
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	12	0.33	0.14	0.31
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	12	0.3	0.18	0.28
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	12	0.3	0.18	0.28
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	12	0.3	0.18	0.28
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	12	0.3	0.18	0.28
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	12	0.3	0.18	0.28
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	12	0.3	0.22	0.19
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	12	0.3	0.22	0.19
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	12	0.3	0.22	0.19
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	12	0.2	0.05	0.2
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	12	0.2	0.05	0.2
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	12	0.18	0.04	0.18
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	12	0.18	0.04	0.18
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	12	0.16	0.03	0.16
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	12	0.15	0.03	0.14
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	12	0.15	0.03	0.14
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	12	0.15	0.03	0.14
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	12	0.13	0.03	0.12
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	12	0.13	0.01	0.12
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	12	0.13	0.01	0.12
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	12	0.13	0.01	0.12
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	12	0.13	0.01	0.12
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	11	1.66	0.68	1.66
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	11	1.66	0.68	1.66
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	11	1.66	0.68	1.66
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	11	1.66	0.68	1.66
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	11	1.66	0.68	1.66
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	11	0.61	0.3	0.46
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	11	0.61	0.3	0.46
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	11	0.61	0.3	0.46
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	11	0.61	0.3	0.46
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	11	0.61	0.3	0.46
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	11	0.61	0.3	0.46
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	11	0.61	0.3	0.46
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	11	0.61	0.3	0.46
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	11	0.61	0.3	0.46
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	11	0.29	0.05	0.28
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	11	0.28	0.06	0.28
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	11	0.28	0.05	0.28
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	11	0.27	0.07	0.25
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	11	0.19	0.05	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	11	0.19	0.05	0.2
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	11	0.18	0.05	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	11	0.18	0.05	0.17
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD22	10	1.34	0.55	1.4
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD21	10	1.34	0.55	1.4
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD23	10	1.34	0.55	1.4
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD22	10	1.34	0.55	1.4
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD21	10	1.34	0.55	1.4
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD23	10	1.34	0.55	1.4
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD22	10	1.34	0.55	1.4
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD21	10	1.34	0.55	1.4
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD23	10	1.34	0.55	1.4
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB2	10	1.14	0.66	0.92
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	10	1.14	0.66	0.92
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB2	10	1.14	0.66	0.92
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	10	1.14	0.66	0.92
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB2	10	1.14	0.66	0.92
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	10	1.14	0.66	0.92
(1,734)	2:B:254:VAL:HG12	2:B:251:ILE:HA	10	0.58	0.31	0.57
(1,734)	2:B:254:VAL:HG11	2:B:251:ILE:HA	10	0.58	0.31	0.57
(1,396)	1:A:7:LEU:HD22	1:A:7:LEU:HA	10	0.56	0.04	0.56
(1,396)	1:A:7:LEU:HD21	1:A:7:LEU:HA	10	0.56	0.04	0.56
(1,396)	1:A:7:LEU:HD23	1:A:7:LEU:HA	10	0.56	0.04	0.56
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB2	10	0.54	0.54	0.22
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB3	10	0.54	0.54	0.22
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB2	10	0.54	0.54	0.22
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB3	10	0.54	0.54	0.22
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB2	10	0.54	0.54	0.22
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB3	10	0.54	0.54	0.22
(1,497)	1:A:39:VAL:HG22	1:A:40:GLU:HG3	10	0.51	0.24	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,497)	1:A:39:VAL:HG21	1:A:40:GLU:HG3	10	0.51	0.24	0.48
(1,497)	1:A:39:VAL:HG23	1:A:40:GLU:HG3	10	0.51	0.24	0.48
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG2	10	0.51	0.24	0.48
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG3	10	0.51	0.24	0.48
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG2	10	0.51	0.24	0.48
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG3	10	0.51	0.24	0.48
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG2	10	0.51	0.24	0.48
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG3	10	0.51	0.24	0.48
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG21	10	0.35	0.18	0.38
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	10	0.35	0.18	0.38
(1,1003)	1:A:99:GLU:H	1:A:99:GLU:HA	10	0.3	0.06	0.32
(1,1031)	2:B:206:SER:H	2:B:223:ILE:HG12	10	0.27	0.09	0.26
(1,864)	2:B:255:ILE:HG22	1:A:7:LEU:HG	10	0.26	0.07	0.26
(1,864)	2:B:255:ILE:HG21	1:A:7:LEU:HG	10	0.26	0.07	0.26
(1,864)	2:B:255:ILE:HG23	1:A:7:LEU:HG	10	0.26	0.07	0.26
(1,993)	1:A:86:ALA:H	1:A:86:ALA:HA	10	0.24	0.04	0.23
(1,601)	2:B:212:LEU:HD12	2:B:212:LEU:HA	10	0.2	0.04	0.2
(1,601)	2:B:212:LEU:HD11	2:B:212:LEU:HA	10	0.2	0.04	0.2
(1,601)	2:B:212:LEU:HD13	2:B:212:LEU:HA	10	0.2	0.04	0.2
(1,601)	2:B:212:LEU:HD23	2:B:212:LEU:HA	10	0.2	0.04	0.2
(1,1251)	2:B:273:VAL:HA	2:B:273:VAL:HB	10	0.2	0.01	0.2
(1,828)	1:A:59:LEU:HD12	2:B:259:ILE:HA	10	0.19	0.09	0.16
(1,828)	1:A:59:LEU:HD11	2:B:259:ILE:HA	10	0.19	0.09	0.16
(1,828)	1:A:59:LEU:HD13	2:B:259:ILE:HA	10	0.19	0.09	0.16
(1,828)	1:A:59:LEU:HD22	2:B:259:ILE:HA	10	0.19	0.09	0.16
(1,828)	1:A:59:LEU:HD21	2:B:259:ILE:HA	10	0.19	0.09	0.16
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG2	10	0.17	0.03	0.16
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG3	10	0.17	0.03	0.16
(1,1204)	2:B:293:GLU:H	2:B:293:GLU:HA	10	0.16	0.03	0.16
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD11	10	0.15	0.04	0.15
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD13	10	0.15	0.04	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD12	10	0.15	0.04	0.15
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB1	10	0.15	0.04	0.14
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB3	10	0.15	0.04	0.14
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB2	10	0.15	0.04	0.14
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB1	10	0.15	0.04	0.14
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB2	10	0.15	0.04	0.14
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB1	10	0.15	0.04	0.14
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB3	10	0.15	0.04	0.14
(2,5)	1:A:9:CYS:N	1:A:5:SER:O	10	0.13	0.02	0.13
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG13	9	1.97	0.27	2.03
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG12	9	1.97	0.27	2.03
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG13	9	1.97	0.27	2.03
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG12	9	1.97	0.27	2.03
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG13	9	1.97	0.27	2.03
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG12	9	1.97	0.27	2.03
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD1	9	1.33	0.13	1.39
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD2	9	1.33	0.13	1.39
(1,610)	2:B:208:LEU:HD11	1:A:11:TYR:HD2	9	1.33	0.13	1.39
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD1	9	1.33	0.13	1.39
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD2	9	1.33	0.13	1.39
(1,610)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	9	1.33	0.13	1.39
(1,610)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	9	1.33	0.13	1.39
(1,610)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	9	1.33	0.13	1.39
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	9	0.4	0.2	0.41
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	9	0.4	0.2	0.41
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	9	0.4	0.2	0.41
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	9	0.4	0.2	0.41
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	9	0.4	0.2	0.41
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	9	0.4	0.2	0.41
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	9	0.4	0.2	0.41
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	9	0.4	0.2	0.41
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	9	0.4	0.2	0.41
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	9	0.4	0.2	0.41
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	9	0.4	0.2	0.41
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	9	0.4	0.2	0.41
(1,490)	1:A:37:VAL:HG11	2:B:214:GLY:HA3	9	0.38	0.14	0.46
(1,490)	1:A:37:VAL:HG13	2:B:214:GLY:HA3	9	0.38	0.14	0.46
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA2	9	0.38	0.14	0.46
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA3	9	0.38	0.14	0.46
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA2	9	0.38	0.14	0.46
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA3	9	0.38	0.14	0.46
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA2	9	0.38	0.14	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA3	9	0.38	0.14	0.46
(1,417)	1:A:13:ALA:HB2	1:A:51:LEU:HD11	9	0.37	0.18	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD12	9	0.37	0.18	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD13	9	0.37	0.18	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD21	9	0.37	0.18	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD22	9	0.37	0.18	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD23	9	0.37	0.18	0.41
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE2	9	0.33	0.11	0.32
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE1	9	0.33	0.11	0.32
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE2	9	0.33	0.11	0.32
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE1	9	0.33	0.11	0.32
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE2	9	0.33	0.11	0.32
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE1	9	0.33	0.11	0.32
(1,709)	2:B:243:ILE:HG22	2:B:247:ASN:HA	9	0.29	0.09	0.28
(1,709)	2:B:243:ILE:HG21	2:B:247:ASN:HA	9	0.29	0.09	0.28
(1,736)	2:B:254:VAL:HG22	2:B:254:VAL:HA	9	0.28	0.01	0.29
(1,736)	2:B:254:VAL:HG21	2:B:254:VAL:HA	9	0.28	0.01	0.29
(1,736)	2:B:254:VAL:HG23	2:B:254:VAL:HA	9	0.28	0.01	0.29
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB2	9	0.22	0.07	0.21
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB3	9	0.22	0.07	0.21
(1,1235)	1:A:14:LEU:HG	1:A:10:ILE:HA	9	0.16	0.04	0.15
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG2	9	0.15	0.03	0.15
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG3	9	0.15	0.03	0.15
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE1	9	0.15	0.03	0.14
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE2	9	0.15	0.03	0.14
(1,675)	2:B:232:ILE:HG22	1:A:21:VAL:HB	9	0.14	0.03	0.14
(1,675)	2:B:232:ILE:HG21	1:A:21:VAL:HB	9	0.14	0.03	0.14
(1,675)	2:B:232:ILE:HG23	1:A:21:VAL:HB	9	0.14	0.03	0.14
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD22	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD21	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD23	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD22	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD21	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD23	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD22	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD21	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD23	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD22	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD23	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD22	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD21	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD23	8	0.72	0.38	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD22	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD21	8	0.72	0.38	0.78
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD23	8	0.72	0.38	0.78
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA2	8	0.72	0.28	0.7
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA3	8	0.72	0.28	0.7
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA2	8	0.72	0.28	0.7
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA3	8	0.72	0.28	0.7
(1,494)	1:A:37:VAL:HG23	2:B:213:GLY:HA3	8	0.72	0.28	0.7
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD12	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD11	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD13	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD21	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD23	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD12	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD11	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD13	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD21	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD23	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD12	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD11	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD13	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD21	8	0.62	0.26	0.7
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD23	8	0.62	0.26	0.7
(1,1182)	2:B:311:PHE:H	2:B:310:GLY:HA2	8	0.55	0.13	0.57
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	8	0.52	0.28	0.56
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	8	0.52	0.28	0.56
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG12	8	0.52	0.28	0.56
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG13	8	0.52	0.28	0.56
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	8	0.52	0.28	0.56
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB3	8	0.52	0.28	0.56
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	8	0.52	0.28	0.56
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	8	0.52	0.28	0.56
(1,797)	1:A:7:LEU:HD13	2:B:255:ILE:HG13	8	0.52	0.28	0.56
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD22	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD21	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD23	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD12	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD11	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD13	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD22	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD21	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD23	8	0.5	0.21	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD12	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD11	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD13	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD22	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD21	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD23	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD12	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD11	8	0.5	0.21	0.48
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD13	8	0.5	0.21	0.48
(1,544)	1:A:59:LEU:HD12	1:A:59:LEU:HA	8	0.43	0.17	0.32
(1,544)	1:A:59:LEU:HD13	1:A:59:LEU:HA	8	0.43	0.17	0.32
(1,544)	1:A:59:LEU:HD22	1:A:59:LEU:HA	8	0.43	0.17	0.32
(1,544)	1:A:59:LEU:HD21	1:A:59:LEU:HA	8	0.43	0.17	0.32
(1,544)	1:A:59:LEU:HD23	1:A:59:LEU:HA	8	0.43	0.17	0.32
(1,741)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	8	0.36	0.18	0.29
(1,741)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	8	0.36	0.18	0.29
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	8	0.36	0.18	0.29
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	8	0.36	0.18	0.29
(1,429)	1:A:15:ILE:HD12	2:B:205:ALA:HB3	8	0.33	0.14	0.33
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB2	8	0.33	0.14	0.33
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB1	8	0.33	0.14	0.33
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB3	8	0.33	0.14	0.33
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB2	8	0.33	0.14	0.33
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB1	8	0.33	0.14	0.33
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB3	8	0.33	0.14	0.33
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE2	8	0.24	0.11	0.22
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE3	8	0.24	0.11	0.22
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE2	8	0.24	0.11	0.22
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE3	8	0.24	0.11	0.22
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE2	8	0.24	0.11	0.22
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE3	8	0.24	0.11	0.22
(1,687)	2:B:239:LEU:HD13	2:B:224:LYS:HE3	8	0.24	0.11	0.22
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE2	8	0.24	0.11	0.22
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE3	8	0.24	0.11	0.22
(1,553)	1:A:60:ILE:HG22	1:A:60:ILE:HA	8	0.21	0.01	0.21
(1,553)	1:A:60:ILE:HG21	1:A:60:ILE:HA	8	0.21	0.01	0.21
(1,553)	1:A:60:ILE:HG23	1:A:60:ILE:HA	8	0.21	0.01	0.21
(1,1167)	2:B:263:ALA:H	2:B:262:LEU:HG	8	0.2	0.08	0.2
(1,650)	2:B:223:ILE:HG22	2:B:203:TYR:HA	8	0.16	0.05	0.15
(1,650)	2:B:223:ILE:HG21	2:B:203:TYR:HA	8	0.16	0.05	0.15
(1,650)	2:B:223:ILE:HG23	2:B:203:TYR:HA	8	0.16	0.05	0.15
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD12	8	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD11	8	0.14	0.03	0.13
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD13	8	0.14	0.03	0.13
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG2	8	0.13	0.03	0.11
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG3	8	0.13	0.03	0.11
(2,25)	1:A:28:ILE:N	1:A:24:THR:O	8	0.12	0.01	0.11
(2,24)	1:A:27:LYS:H	1:A:24:THR:O	8	0.11	0.0	0.11
(1,826)	1:A:37:VAL:HG22	2:B:212:LEU:HG	7	1.26	0.9	1.21
(1,826)	1:A:37:VAL:HG21	2:B:212:LEU:HG	7	1.26	0.9	1.21
(1,826)	1:A:37:VAL:HG23	2:B:212:LEU:HG	7	1.26	0.9	1.21
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG22	7	1.2	0.41	1.34
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG21	7	1.2	0.41	1.34
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG23	7	1.2	0.41	1.34
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG12	7	1.02	0.64	1.09
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG13	7	1.02	0.64	1.09
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG12	7	1.02	0.64	1.09
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG13	7	1.02	0.64	1.09
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG12	7	1.02	0.64	1.09
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG13	7	1.02	0.64	1.09
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD12	7	0.73	0.52	0.65
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD11	7	0.73	0.52	0.65
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD13	7	0.73	0.52	0.65
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG23	7	0.21	0.06	0.25
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HD12	7	0.21	0.06	0.25
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG22	7	0.21	0.06	0.25
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG21	7	0.21	0.06	0.25
(1,745)	2:B:262:LEU:HD12	2:B:262:LEU:HA	7	0.19	0.06	0.15
(1,745)	2:B:262:LEU:HD22	2:B:262:LEU:HA	7	0.19	0.06	0.15
(1,745)	2:B:262:LEU:HD21	2:B:262:LEU:HA	7	0.19	0.06	0.15
(1,745)	2:B:262:LEU:HD23	2:B:262:LEU:HA	7	0.19	0.06	0.15
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB2	7	0.18	0.09	0.13
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB3	7	0.18	0.09	0.13
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB2	7	0.18	0.09	0.13
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB3	7	0.18	0.09	0.13
(1,464)	1:A:28:ILE:HG23	1:A:9:CYS:HB2	7	0.18	0.09	0.13
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB2	7	0.18	0.05	0.17
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB3	7	0.18	0.05	0.17
(1,625)	2:B:209:LEU:HD12	1:A:12:SER:HA	7	0.15	0.02	0.15
(1,625)	2:B:209:LEU:HD11	1:A:12:SER:HA	7	0.15	0.02	0.15
(1,625)	2:B:209:LEU:HD13	1:A:12:SER:HA	7	0.15	0.02	0.15
(1,625)	2:B:209:LEU:HD22	1:A:12:SER:HA	7	0.15	0.02	0.15
(1,625)	2:B:209:LEU:HD21	1:A:12:SER:HA	7	0.15	0.02	0.15
(1,625)	2:B:209:LEU:HD23	1:A:12:SER:HA	7	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,452)	1:A:23:VAL:HG22	1:A:48:ALA:HA	6	2.05	0.9	2.46
(1,452)	1:A:23:VAL:HG21	1:A:48:ALA:HA	6	2.05	0.9	2.46
(1,452)	1:A:23:VAL:HG23	1:A:48:ALA:HA	6	2.05	0.9	2.46
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HE2	6	1.98	0.86	2.31
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HD2	6	1.98	0.86	2.31
(1,645)	2:B:223:ILE:HD11	2:B:207:TYR:HD2	6	1.98	0.86	2.31
(1,645)	2:B:223:ILE:HD13	2:B:207:TYR:HD2	6	1.98	0.86	2.31
(1,795)	1:A:4:VAL:HG13	2:B:212:LEU:HG	6	1.48	1.14	1.72
(1,795)	1:A:4:VAL:HG12	2:B:212:LEU:HG	6	1.48	1.14	1.72
(1,795)	1:A:4:VAL:HG11	2:B:212:LEU:HG	6	1.48	1.14	1.72
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG23	6	1.46	0.87	1.67
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG22	6	1.46	0.87	1.67
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG21	6	1.46	0.87	1.67
(1,474)	1:A:31:LEU:HD12	1:A:28:ILE:HA	6	0.87	0.11	0.92
(1,474)	1:A:31:LEU:HD11	1:A:28:ILE:HA	6	0.87	0.11	0.92
(1,474)	1:A:31:LEU:HD13	1:A:28:ILE:HA	6	0.87	0.11	0.92
(1,474)	1:A:31:LEU:HD22	2:B:226:ILE:HA	6	0.87	0.11	0.92
(1,474)	1:A:31:LEU:HD21	2:B:226:ILE:HA	6	0.87	0.11	0.92
(1,474)	1:A:31:LEU:HD23	2:B:226:ILE:HA	6	0.87	0.11	0.92
(1,491)	1:A:37:VAL:HG13	1:A:4:VAL:HB	6	0.6	0.25	0.56
(1,491)	1:A:37:VAL:HG22	1:A:4:VAL:HB	6	0.6	0.25	0.56
(1,491)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	6	0.6	0.25	0.56
(1,491)	1:A:37:VAL:HG21	1:A:4:VAL:HB	6	0.6	0.25	0.56
(1,491)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	6	0.6	0.25	0.56
(1,491)	1:A:37:VAL:HG23	1:A:4:VAL:HB	6	0.6	0.25	0.56
(1,491)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	6	0.6	0.25	0.56
(1,491)	1:A:37:VAL:HG12	1:A:4:VAL:HB	6	0.6	0.25	0.56
(1,491)	1:A:37:VAL:HG11	1:A:4:VAL:HB	6	0.6	0.25	0.56
(1,838)	2:B:201:MET:HE1	1:A:14:LEU:HB2	6	0.38	0.25	0.32
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB2	6	0.38	0.25	0.32
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB3	6	0.38	0.25	0.32
(1,838)	2:B:201:MET:HE2	1:A:14:LEU:HB2	6	0.38	0.25	0.32
(1,591)	1:A:112:LEU:HD13	1:A:112:LEU:HA	6	0.37	0.04	0.39
(1,591)	1:A:112:LEU:HD22	1:A:112:LEU:HA	6	0.37	0.04	0.39
(1,591)	1:A:112:LEU:HD12	1:A:112:LEU:HA	6	0.37	0.04	0.39
(1,591)	1:A:112:LEU:HD11	1:A:112:LEU:HA	6	0.37	0.04	0.39
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE1	6	0.36	0.22	0.34
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE2	6	0.36	0.22	0.34
(1,867)	2:B:255:ILE:HD11	1:A:11:TYR:HE1	6	0.36	0.22	0.34
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE1	6	0.36	0.22	0.34
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE2	6	0.36	0.22	0.34
(1,465)	1:A:28:ILE:HG23	1:A:47:PHE:HB3	6	0.34	0.17	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB2	6	0.34	0.17	0.35
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB3	6	0.34	0.17	0.35
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB2	6	0.34	0.17	0.35
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB3	6	0.34	0.17	0.35
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD22	6	0.28	0.08	0.26
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD21	6	0.28	0.08	0.26
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD23	6	0.28	0.08	0.26
(1,422)	1:A:14:LEU:HD22	1:A:11:TYR:HA	6	0.25	0.17	0.16
(1,422)	1:A:14:LEU:HD21	1:A:11:TYR:HA	6	0.25	0.17	0.16
(1,422)	1:A:14:LEU:HD23	1:A:11:TYR:HA	6	0.25	0.17	0.16
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB2	6	0.24	0.03	0.25
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB3	6	0.24	0.03	0.25
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB2	6	0.24	0.13	0.24
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB3	6	0.24	0.13	0.24
(1,1188)	2:B:273:VAL:H	2:B:273:VAL:HB	6	0.2	0.03	0.2
(1,995)	1:A:90:GLU:H	1:A:90:GLU:HA	6	0.19	0.0	0.19
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG2	6	0.17	0.04	0.15
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG3	6	0.17	0.04	0.15
(1,1185)	2:B:272:ALA:H	2:B:271:VAL:HB	6	0.17	0.06	0.15
(1,653)	2:B:223:ILE:HG21	2:B:206:SER:HA	6	0.15	0.02	0.15
(1,653)	2:B:223:ILE:HG23	2:B:206:SER:HA	6	0.15	0.02	0.15
(1,653)	2:B:223:ILE:HG22	2:B:206:SER:HA	6	0.15	0.02	0.15
(1,990)	1:A:83:SER:H	1:A:83:SER:HA	6	0.13	0.01	0.12
(2,67)	2:B:207:TYR:N	2:B:203:TYR:O	6	0.12	0.01	0.12
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB2	6	0.12	0.01	0.12
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB3	6	0.12	0.01	0.12
(2,81)	2:B:223:ILE:N	2:B:219:SER:O	6	0.12	0.02	0.11
(1,698)	2:B:243:ILE:HD12	2:B:207:TYR:HD2	5	3.45	0.14	3.42
(1,698)	2:B:243:ILE:HD11	2:B:207:TYR:HD2	5	3.45	0.14	3.42
(1,698)	2:B:243:ILE:HD13	2:B:207:TYR:HD2	5	3.45	0.14	3.42
(1,723)	2:B:251:ILE:HD12	2:B:207:TYR:HE1	5	2.68	0.03	2.69
(1,723)	2:B:251:ILE:HD11	2:B:207:TYR:HE1	5	2.68	0.03	2.69
(1,723)	2:B:251:ILE:HD13	2:B:207:TYR:HE1	5	2.68	0.03	2.69
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD1	5	1.74	0.57	1.94
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD2	5	1.74	0.57	1.94
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD1	5	1.74	0.57	1.94
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD2	5	1.74	0.57	1.94
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD1	5	1.74	0.57	1.94
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD2	5	1.74	0.57	1.94
(1,633)	2:B:211:ALA:HB2	2:B:207:TYR:HD1	5	1.48	0.21	1.37
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HD1	5	1.48	0.21	1.37
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HE1	5	1.48	0.21	1.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HD1	5	1.48	0.21	1.37
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HE1	5	1.48	0.21	1.37
(1,621)	2:B:209:LEU:HD22	1:A:8:ALA:HA	5	1.11	0.73	1.36
(1,621)	2:B:209:LEU:HD21	1:A:8:ALA:HA	5	1.11	0.73	1.36
(1,621)	2:B:209:LEU:HD23	1:A:8:ALA:HA	5	1.11	0.73	1.36
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB2	5	1.09	0.8	1.45
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB3	5	1.09	0.8	1.45
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB2	5	1.09	0.8	1.45
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB3	5	1.09	0.8	1.45
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB2	5	1.09	0.8	1.45
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB3	5	1.09	0.8	1.45
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	5	0.9	0.29	0.8
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	5	0.9	0.29	0.8
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD21	5	0.86	0.28	0.88
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD23	5	0.86	0.28	0.88
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD22	5	0.86	0.28	0.88
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD22	5	0.74	0.36	0.79
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD21	5	0.74	0.36	0.79
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD23	5	0.74	0.36	0.79
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD22	5	0.74	0.36	0.79
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD21	5	0.74	0.36	0.79
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD23	5	0.74	0.36	0.79
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD22	5	0.74	0.36	0.79
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD21	5	0.74	0.36	0.79
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD23	5	0.74	0.36	0.79
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD22	5	0.74	0.36	0.79
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD21	5	0.74	0.36	0.79
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	5	0.74	0.34	0.73

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HE1	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HE1	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HE1	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD2	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HE1	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HE1	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE1	5	0.74	0.34	0.73
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE2	5	0.74	0.34	0.73
(1,744)	2:B:262:LEU:HD12	2:B:204:VAL:HA	5	0.65	0.41	0.38
(1,744)	2:B:262:LEU:HD11	2:B:204:VAL:HA	5	0.65	0.41	0.38
(1,744)	2:B:262:LEU:HD13	2:B:204:VAL:HA	5	0.65	0.41	0.38
(1,744)	2:B:262:LEU:HD22	2:B:204:VAL:HA	5	0.65	0.41	0.38
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB2	5	0.52	0.28	0.46
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB3	5	0.52	0.28	0.46
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HG3	5	0.52	0.28	0.46
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD3	5	0.49	0.0	0.49
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD2	5	0.49	0.0	0.49
(1,756)	2:B:266:PRO:HB2	2:B:266:PRO:HD3	5	0.49	0.0	0.49
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD12	5	0.47	0.13	0.45
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD11	5	0.47	0.13	0.45
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD13	5	0.47	0.13	0.45
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG22	5	0.47	0.13	0.45
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG21	5	0.47	0.13	0.45
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG23	5	0.47	0.13	0.45
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD22	5	0.47	0.13	0.45
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD21	5	0.47	0.13	0.45
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD23	5	0.47	0.13	0.45
(1,178)	2:B:211:ALA:H	2:B:209:LEU:HD11	5	0.47	0.13	0.45
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG22	5	0.43	0.08	0.44
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG21	5	0.43	0.08	0.44
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG23	5	0.43	0.08	0.44
(1,319)	2:B:264:SER:H	2:B:262:LEU:HD13	5	0.43	0.08	0.44
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD22	5	0.43	0.08	0.44
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD21	5	0.43	0.08	0.44
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD23	5	0.43	0.08	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD12	5	0.43	0.08	0.44
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD11	5	0.43	0.08	0.44
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD13	5	0.43	0.08	0.44
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB2	5	0.39	0.16	0.39
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB3	5	0.39	0.16	0.39
(1,710)	2:B:243:ILE:HG21	2:B:247:ASN:HB2	5	0.39	0.16	0.39
(1,710)	2:B:243:ILE:HG23	2:B:247:ASN:HB2	5	0.39	0.16	0.39
(1,523)	1:A:51:LEU:HD12	1:A:47:PHE:HA	5	0.26	0.26	0.14
(1,523)	1:A:51:LEU:HD11	1:A:47:PHE:HA	5	0.26	0.26	0.14
(1,523)	1:A:51:LEU:HD13	1:A:47:PHE:HA	5	0.26	0.26	0.14
(1,616)	2:B:209:LEU:HD12	1:A:32:ILE:HA	5	0.21	0.06	0.25
(1,616)	2:B:209:LEU:HD11	1:A:32:ILE:HA	5	0.21	0.06	0.25
(1,616)	2:B:209:LEU:HD13	1:A:32:ILE:HA	5	0.21	0.06	0.25
(1,616)	2:B:209:LEU:HD22	1:A:32:ILE:HA	5	0.21	0.06	0.25
(1,616)	2:B:209:LEU:HD21	1:A:32:ILE:HA	5	0.21	0.06	0.25
(1,974)	1:A:63:VAL:H	1:A:62:ASN:HA	5	0.18	0.04	0.17
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG21	5	0.17	0.07	0.14
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG23	5	0.17	0.07	0.14
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG22	5	0.17	0.07	0.14
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG22	5	0.15	0.03	0.14
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG21	5	0.15	0.03	0.14
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG23	5	0.15	0.03	0.14
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG3	5	0.15	0.02	0.14
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG2	5	0.15	0.02	0.14
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE1	5	0.14	0.03	0.13
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE2	5	0.14	0.03	0.13
(1,463)	1:A:28:ILE:HD11	1:A:47:PHE:HE2	5	0.14	0.03	0.13
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE1	5	0.14	0.03	0.13
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE2	5	0.14	0.03	0.13
(2,105)	2:B:245:GLU:N	2:B:241:LYS:O	5	0.14	0.02	0.15
(2,58)	1:A:50:ALA:H	1:A:46:LEU:O	5	0.14	0.03	0.12
(1,1095)	2:B:230:VAL:H	1:A:31:LEU:HG	5	0.14	0.02	0.14
(1,767)	2:B:311:PHE:HB2	2:B:310:GLY:HA2	5	0.13	0.02	0.12
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA2	5	0.13	0.02	0.12
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA3	5	0.13	0.02	0.12
(1,767)	2:B:311:PHE:HB3	2:B:310:GLY:HA2	5	0.13	0.02	0.12
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA2	5	0.13	0.02	0.12
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA3	5	0.13	0.02	0.12
(2,39)	1:A:35:ALA:N	1:A:31:LEU:O	5	0.13	0.0	0.13
(1,793)	1:A:4:VAL:HG12	2:B:212:LEU:HA	4	1.79	0.14	1.79
(1,793)	1:A:4:VAL:HG11	2:B:212:LEU:HA	4	1.79	0.14	1.79
(1,793)	1:A:4:VAL:HG13	2:B:212:LEU:HA	4	1.79	0.14	1.79

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG22	4	1.14	0.14	1.13
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG21	4	1.14	0.14	1.13
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG23	4	1.14	0.14	1.13
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD12	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD11	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD13	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD21	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD12	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD11	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD13	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD21	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD12	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD11	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD13	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD22	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD21	4	0.91	0.12	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD23	4	0.91	0.12	0.86
(1,746)	2:B:262:LEU:HD13	1:A:11:TYR:HE1	4	0.76	0.31	0.72
(1,746)	2:B:262:LEU:HD13	1:A:11:TYR:HE2	4	0.76	0.31	0.72
(1,746)	2:B:262:LEU:HD22	1:A:11:TYR:HE1	4	0.76	0.31	0.72
(1,746)	2:B:262:LEU:HD22	1:A:11:TYR:HE2	4	0.76	0.31	0.72
(1,746)	2:B:262:LEU:HD21	1:A:11:TYR:HE1	4	0.76	0.31	0.72
(1,746)	2:B:262:LEU:HD21	1:A:11:TYR:HE2	4	0.76	0.31	0.72
(1,746)	2:B:262:LEU:HD23	1:A:11:TYR:HE2	4	0.76	0.31	0.72
(1,746)	2:B:262:LEU:HD12	1:A:11:TYR:HE2	4	0.76	0.31	0.72
(1,746)	2:B:262:LEU:HD11	1:A:11:TYR:HE2	4	0.76	0.31	0.72
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG22	4	0.68	0.07	0.66
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG21	4	0.68	0.07	0.66
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG23	4	0.68	0.07	0.66
(1,807)	1:A:15:ILE:HG22	2:B:232:ILE:HB	4	0.28	0.26	0.15
(1,807)	1:A:15:ILE:HG21	2:B:209:LEU:HG	4	0.28	0.26	0.15
(1,807)	1:A:15:ILE:HG21	2:B:232:ILE:HB	4	0.28	0.26	0.15
(1,807)	1:A:15:ILE:HG23	2:B:232:ILE:HB	4	0.28	0.26	0.15
(1,23)	1:A:19:ASP:H	1:A:19:ASP:HB2	4	0.27	0.16	0.2
(1,23)	1:A:19:ASP:H	1:A:19:ASP:HB3	4	0.27	0.16	0.2
(1,23)	1:A:19:ASP:H	1:A:18:ASP:HB3	4	0.27	0.16	0.2
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG22	4	0.27	0.09	0.27
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG21	4	0.27	0.09	0.27
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG23	4	0.27	0.09	0.27
(1,800)	1:A:10:ILE:HD11	2:B:259:ILE:HG21	4	0.27	0.09	0.27
(1,800)	1:A:10:ILE:HD11	2:B:259:ILE:HG23	4	0.27	0.09	0.27
(1,800)	1:A:10:ILE:HD13	2:B:259:ILE:HG21	4	0.27	0.09	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,800)	1:A:10:ILE:HD13	2:B:259:ILE:HG23	4	0.27	0.09	0.27
(1,668)	2:B:230:VAL:HG12	1:A:27:LYS:HB2	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG11	1:A:27:LYS:HB2	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG11	1:A:27:LYS:HB3	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG11	1:A:31:LEU:HB2	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG13	1:A:27:LYS:HB2	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG13	1:A:27:LYS:HB3	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG13	1:A:31:LEU:HB2	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG13	1:A:31:LEU:HB3	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG22	1:A:27:LYS:HB2	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG22	1:A:31:LEU:HB2	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG22	1:A:31:LEU:HB3	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG21	1:A:27:LYS:HB2	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG21	1:A:31:LEU:HB2	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG21	1:A:31:LEU:HB3	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG23	1:A:27:LYS:HB2	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG23	1:A:31:LEU:HB2	4	0.26	0.08	0.3
(1,668)	2:B:230:VAL:HG23	1:A:31:LEU:HB3	4	0.26	0.08	0.3
(1,685)	2:B:239:LEU:HD12	2:B:239:LEU:HA	4	0.26	0.05	0.28
(1,685)	2:B:239:LEU:HD22	2:B:239:LEU:HA	4	0.26	0.05	0.28
(1,685)	2:B:239:LEU:HD21	2:B:239:LEU:HA	4	0.26	0.05	0.28
(1,685)	2:B:239:LEU:HD23	2:B:239:LEU:HA	4	0.26	0.05	0.28
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD11	4	0.22	0.08	0.2
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD22	4	0.22	0.08	0.2
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD21	4	0.22	0.08	0.2
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD23	4	0.22	0.08	0.2
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD12	4	0.22	0.08	0.2
(1,599)	1:A:55:ASN:HB2	1:A:56:ILE:HG22	4	0.21	0.09	0.19
(1,599)	1:A:55:ASN:HB2	1:A:56:ILE:HG21	4	0.21	0.09	0.19
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG22	4	0.21	0.09	0.19
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG21	4	0.21	0.09	0.19
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG23	4	0.21	0.09	0.19
(1,999)	1:A:94:VAL:H	1:A:94:VAL:HB	4	0.18	0.02	0.18
(1,515)	1:A:46:LEU:HD12	1:A:47:PHE:HE2	4	0.18	0.02	0.18
(1,515)	1:A:46:LEU:HD11	1:A:47:PHE:HE1	4	0.18	0.02	0.18
(1,515)	1:A:46:LEU:HD11	1:A:47:PHE:HE2	4	0.18	0.02	0.18
(1,515)	1:A:46:LEU:HD13	1:A:47:PHE:HE1	4	0.18	0.02	0.18
(1,515)	1:A:46:LEU:HD13	1:A:47:PHE:HE2	4	0.18	0.02	0.18
(1,515)	1:A:46:LEU:HD22	1:A:47:PHE:HE1	4	0.18	0.02	0.18
(1,515)	1:A:46:LEU:HD21	1:A:47:PHE:HE1	4	0.18	0.02	0.18
(1,515)	1:A:46:LEU:HD12	1:A:47:PHE:HE1	4	0.18	0.02	0.18
(1,153)	1:A:106:ASP:H	1:A:106:ASP:HB2	4	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,153)	1:A:106:ASP:H	1:A:106:ASP:HB3	4	0.18	0.02	0.18
(1,810)	1:A:16:LEU:HD12	2:B:230:VAL:HA	4	0.17	0.1	0.12
(1,810)	1:A:16:LEU:HD11	2:B:230:VAL:HA	4	0.17	0.1	0.12
(1,810)	1:A:16:LEU:HD13	2:B:230:VAL:HA	4	0.17	0.1	0.12
(1,810)	1:A:16:LEU:HD22	2:B:230:VAL:HA	4	0.17	0.1	0.12
(1,810)	1:A:16:LEU:HD21	2:B:230:VAL:HA	4	0.17	0.1	0.12
(1,631)	2:B:211:ALA:HB2	2:B:251:ILE:HD13	4	0.16	0.04	0.14
(1,631)	2:B:211:ALA:HB1	2:B:251:ILE:HD12	4	0.16	0.04	0.14
(1,631)	2:B:211:ALA:HB1	2:B:251:ILE:HD13	4	0.16	0.04	0.14
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD12	4	0.16	0.04	0.14
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD11	4	0.16	0.04	0.14
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD13	4	0.16	0.04	0.14
(1,631)	2:B:211:ALA:HB2	2:B:251:ILE:HD12	4	0.16	0.04	0.14
(1,812)	1:A:21:VAL:HG13	2:B:232:ILE:HB	4	0.15	0.05	0.12
(1,812)	1:A:21:VAL:HG22	2:B:232:ILE:HB	4	0.15	0.05	0.12
(1,812)	1:A:21:VAL:HG21	2:B:232:ILE:HB	4	0.15	0.05	0.12
(1,812)	1:A:21:VAL:HG12	2:B:232:ILE:HB	4	0.15	0.05	0.12
(1,812)	1:A:21:VAL:HG11	2:B:232:ILE:HB	4	0.15	0.05	0.12
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG12	4	0.14	0.03	0.14
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG11	4	0.14	0.03	0.14
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG13	4	0.14	0.03	0.14
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG22	4	0.14	0.03	0.14
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG21	4	0.14	0.03	0.14
(1,364)	2:B:301:GLU:H	2:B:301:GLU:HB2	4	0.14	0.03	0.14
(1,364)	2:B:301:GLU:H	2:B:301:GLU:HB3	4	0.14	0.03	0.14
(1,151)	1:A:104:SER:H	1:A:103:GLU:HG2	4	0.14	0.02	0.14
(1,151)	1:A:104:SER:H	1:A:103:GLU:HG3	4	0.14	0.02	0.14
(2,55)	1:A:49:LYS:N	1:A:45:GLY:O	4	0.13	0.02	0.12
(1,957)	1:A:53:ASN:H	1:A:54:VAL:H	4	0.11	0.0	0.11
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD12	3	0.85	0.2	0.98
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD11	3	0.85	0.2	0.98
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD13	3	0.85	0.2	0.98
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG22	3	0.54	0.2	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG21	3	0.54	0.2	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG23	3	0.54	0.2	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG12	3	0.54	0.2	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG11	3	0.54	0.2	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG13	3	0.54	0.2	0.68
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG22	3	0.54	0.2	0.68
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG21	3	0.54	0.2	0.68
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG23	3	0.54	0.2	0.68
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG22	3	0.49	0.16	0.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG21	3	0.49	0.16	0.43
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG23	3	0.49	0.16	0.43
(1,444)	1:A:21:VAL:HG11	1:A:27:LYS:HE2	3	0.35	0.23	0.26
(1,444)	1:A:21:VAL:HG13	1:A:27:LYS:HE2	3	0.35	0.23	0.26
(1,444)	1:A:21:VAL:HG13	1:A:27:LYS:HE3	3	0.35	0.23	0.26
(1,444)	1:A:21:VAL:HG22	1:A:27:LYS:HE2	3	0.35	0.23	0.26
(1,444)	1:A:21:VAL:HG22	1:A:27:LYS:HE3	3	0.35	0.23	0.26
(1,444)	1:A:21:VAL:HG21	1:A:27:LYS:HE2	3	0.35	0.23	0.26
(1,444)	1:A:21:VAL:HG21	1:A:27:LYS:HE3	3	0.35	0.23	0.26
(1,444)	1:A:21:VAL:HG23	1:A:27:LYS:HE2	3	0.35	0.23	0.26
(1,444)	1:A:21:VAL:HG23	1:A:27:LYS:HE3	3	0.35	0.23	0.26
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD12	3	0.35	0.15	0.27
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD11	3	0.35	0.15	0.27
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD13	3	0.35	0.15	0.27
(1,419)	1:A:14:LEU:HA	2:B:262:LEU:HB2	3	0.34	0.06	0.31
(1,419)	1:A:14:LEU:HA	2:B:262:LEU:HB3	3	0.34	0.06	0.31
(1,517)	1:A:46:LEU:HD12	1:A:42:PHE:HZ	3	0.33	0.2	0.27
(1,517)	1:A:46:LEU:HD11	1:A:42:PHE:HZ	3	0.33	0.2	0.27
(1,517)	1:A:46:LEU:HD22	1:A:42:PHE:HZ	3	0.33	0.2	0.27
(1,517)	1:A:46:LEU:HD21	1:A:42:PHE:HZ	3	0.33	0.2	0.27
(1,517)	1:A:46:LEU:HD23	1:A:42:PHE:HZ	3	0.33	0.2	0.27
(1,684)	2:B:234:ALA:HB2	2:B:224:LYS:HE2	3	0.29	0.18	0.18
(1,684)	2:B:234:ALA:HB1	2:B:224:LYS:HE2	3	0.29	0.18	0.18
(1,684)	2:B:234:ALA:HB1	2:B:224:LYS:HE3	3	0.29	0.18	0.18
(1,684)	2:B:234:ALA:HB3	2:B:224:LYS:HE2	3	0.29	0.18	0.18
(1,684)	2:B:234:ALA:HB3	2:B:224:LYS:HE3	3	0.29	0.18	0.18
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG12	3	0.27	0.16	0.19
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG11	3	0.27	0.16	0.19
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG13	3	0.27	0.16	0.19
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG22	3	0.25	0.12	0.17
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG21	3	0.25	0.12	0.17
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG23	3	0.25	0.12	0.17
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG22	3	0.25	0.12	0.17
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG21	3	0.25	0.12	0.17
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG23	3	0.25	0.12	0.17
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG22	3	0.25	0.12	0.17
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG21	3	0.25	0.12	0.17
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG23	3	0.25	0.12	0.17
(1,977)	1:A:63:VAL:H	1:A:63:VAL:HB	3	0.24	0.01	0.25
(1,314)	2:B:261:LYS:H	2:B:261:LYS:HG2	3	0.23	0.12	0.17
(1,314)	2:B:261:LYS:H	2:B:261:LYS:HG3	3	0.23	0.12	0.17
(1,935)	1:A:39:VAL:H	1:A:38:ASN:H	3	0.22	0.06	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,385)	2:B:313:LEU:H	2:B:313:LEU:HB2	3	0.2	0.07	0.25
(1,385)	2:B:313:LEU:H	2:B:313:LEU:HB3	3	0.2	0.07	0.25
(1,789)	2:B:309:MET:HA	2:B:309:MET:HG2	3	0.2	0.02	0.21
(1,789)	2:B:309:MET:HA	2:B:309:MET:HG3	3	0.2	0.02	0.21
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG21	3	0.2	0.04	0.23
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG23	3	0.2	0.04	0.23
(1,834)	1:A:1:MET:HE1	2:B:255:ILE:HG21	3	0.2	0.04	0.23
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG22	3	0.2	0.04	0.23
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG21	3	0.2	0.04	0.23
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG23	3	0.2	0.04	0.23
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG22	3	0.2	0.04	0.23
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB2	3	0.18	0.09	0.12
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB1	3	0.18	0.09	0.12
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB3	3	0.18	0.09	0.12
(1,1018)	1:A:113:PHE:H	1:A:113:PHE:HZ	3	0.18	0.04	0.16
(1,381)	2:B:309:MET:H	2:B:309:MET:HG2	3	0.17	0.07	0.13
(1,381)	2:B:309:MET:H	2:B:309:MET:HG3	3	0.17	0.07	0.13
(1,310)	2:B:260:GLY:H	1:A:60:ILE:HG12	3	0.16	0.05	0.13
(1,310)	2:B:260:GLY:H	1:A:60:ILE:HG13	3	0.16	0.05	0.13
(1,622)	2:B:209:LEU:HD22	1:A:11:TYR:HB3	3	0.16	0.03	0.14
(1,622)	2:B:209:LEU:HD21	1:A:11:TYR:HB2	3	0.16	0.03	0.14
(1,622)	2:B:209:LEU:HD21	1:A:11:TYR:HB3	3	0.16	0.03	0.14
(1,622)	2:B:209:LEU:HD23	1:A:11:TYR:HB2	3	0.16	0.03	0.14
(1,622)	2:B:209:LEU:HD23	1:A:11:TYR:HB3	3	0.16	0.03	0.14
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG12	3	0.16	0.01	0.16
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG11	3	0.16	0.01	0.16
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG22	3	0.16	0.01	0.16
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG21	3	0.16	0.01	0.16
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG23	3	0.16	0.01	0.16
(1,1005)	1:A:101:SER:H	1:A:100:GLU:HA	3	0.16	0.04	0.16
(2,116)	2:B:257:GLN:H	2:B:253:ASP:O	3	0.15	0.04	0.12
(1,582)	1:A:96:ALA:HA	1:A:95:GLU:HG2	3	0.14	0.03	0.14
(1,582)	1:A:96:ALA:HA	1:A:95:GLU:HG3	3	0.14	0.03	0.14
(2,47)	1:A:45:GLY:N	1:A:41:PRO:O	3	0.14	0.02	0.14
(1,372)	2:B:307:ASP:H	2:B:307:ASP:HB3	3	0.14	0.01	0.15
(1,372)	2:B:307:ASP:H	2:B:307:ASP:HB2	3	0.14	0.01	0.15
(2,73)	2:B:210:ALA:N	2:B:206:SER:O	3	0.13	0.02	0.12
(1,951)	1:A:51:LEU:H	1:A:51:LEU:HG	3	0.12	0.0	0.12
(1,901)	1:A:19:ASP:H	1:A:16:LEU:HA	3	0.12	0.01	0.11
(1,988)	1:A:77:ALA:H	1:A:77:ALA:HA	3	0.12	0.01	0.11
(2,56)	1:A:49:LYS:H	1:A:45:GLY:O	3	0.12	0.01	0.12
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD12	3	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD11	3	0.12	0.01	0.11
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD13	3	0.12	0.01	0.11
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB2	3	0.12	0.01	0.11
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB1	3	0.12	0.01	0.11
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB3	3	0.12	0.01	0.11
(2,69)	2:B:208:LEU:N	2:B:204:VAL:O	3	0.12	0.0	0.12
(1,678)	2:B:234:ALA:HB3	2:B:224:LYS:HA	3	0.11	0.0	0.11
(1,678)	2:B:234:ALA:HB2	2:B:224:LYS:HA	3	0.11	0.0	0.11
(1,678)	2:B:234:ALA:HB1	2:B:224:LYS:HA	3	0.11	0.0	0.11
(1,531)	1:A:54:VAL:HG12	1:A:58:SER:HB2	2	2.08	0.2	2.08
(1,531)	1:A:54:VAL:HG12	1:A:58:SER:HB3	2	2.08	0.2	2.08
(1,531)	1:A:54:VAL:HG11	1:A:58:SER:HB2	2	2.08	0.2	2.08
(1,531)	1:A:54:VAL:HG11	1:A:58:SER:HB3	2	2.08	0.2	2.08
(1,531)	1:A:54:VAL:HG13	1:A:58:SER:HB2	2	2.08	0.2	2.08
(1,531)	1:A:54:VAL:HG13	1:A:58:SER:HB3	2	2.08	0.2	2.08
(1,711)	2:B:243:ILE:HG22	2:B:246:LEU:HD12	2	0.97	0.01	0.97
(1,711)	2:B:243:ILE:HG22	2:B:246:LEU:HD11	2	0.97	0.01	0.97
(1,711)	2:B:243:ILE:HG22	2:B:246:LEU:HD13	2	0.97	0.01	0.97
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD12	2	0.97	0.01	0.97
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD11	2	0.97	0.01	0.97
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD13	2	0.97	0.01	0.97
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD22	2	0.97	0.01	0.97
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD21	2	0.97	0.01	0.97
(1,711)	2:B:243:ILE:HG23	2:B:246:LEU:HD12	2	0.97	0.01	0.97
(1,711)	2:B:243:ILE:HG23	2:B:246:LEU:HD11	2	0.97	0.01	0.97
(1,711)	2:B:243:ILE:HG23	2:B:246:LEU:HD13	2	0.97	0.01	0.97
(1,516)	1:A:46:LEU:HD12	1:A:42:PHE:HE2	2	0.42	0.1	0.42
(1,516)	1:A:46:LEU:HD11	1:A:42:PHE:HE2	2	0.42	0.1	0.42
(1,516)	1:A:46:LEU:HD13	1:A:42:PHE:HE2	2	0.42	0.1	0.42
(1,516)	1:A:46:LEU:HD22	1:A:42:PHE:HE2	2	0.42	0.1	0.42
(1,516)	1:A:46:LEU:HD21	1:A:42:PHE:HE1	2	0.42	0.1	0.42
(1,516)	1:A:46:LEU:HD21	1:A:42:PHE:HE2	2	0.42	0.1	0.42
(1,516)	1:A:46:LEU:HD23	1:A:42:PHE:HE1	2	0.42	0.1	0.42
(1,516)	1:A:46:LEU:HD23	1:A:42:PHE:HE2	2	0.42	0.1	0.42
(1,806)	1:A:15:ILE:HD12	2:B:209:LEU:HD12	2	0.42	0.05	0.42
(1,806)	1:A:15:ILE:HD12	2:B:209:LEU:HD11	2	0.42	0.05	0.42
(1,806)	1:A:15:ILE:HD12	2:B:209:LEU:HD13	2	0.42	0.05	0.42
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD12	2	0.42	0.05	0.42
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD11	2	0.42	0.05	0.42
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD13	2	0.42	0.05	0.42
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD22	2	0.42	0.05	0.42
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD12	2	0.42	0.05	0.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD11	2	0.42	0.05	0.42
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD13	2	0.42	0.05	0.42
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD22	2	0.42	0.05	0.42
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD21	2	0.42	0.05	0.42
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD12	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD11	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD13	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD22	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD21	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD23	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD12	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD11	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD13	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD22	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD21	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD23	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG13	2:B:246:LEU:HD12	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG13	2:B:246:LEU:HD21	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG13	2:B:246:LEU:HD23	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD12	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD11	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD13	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD22	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD21	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD23	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG21	2:B:246:LEU:HD12	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD12	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD11	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD13	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD21	2	0.32	0.18	0.32
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD23	2	0.32	0.18	0.32
(1,629)	2:B:210:ALA:HB2	2:B:218:PRO:HA	2	0.32	0.02	0.32
(1,629)	2:B:210:ALA:HB1	2:B:218:PRO:HA	2	0.32	0.02	0.32
(1,629)	2:B:210:ALA:HB3	2:B:218:PRO:HA	2	0.32	0.02	0.32
(1,801)	1:A:10:ILE:HG22	2:B:259:ILE:HG22	2	0.31	0.12	0.31
(1,801)	1:A:10:ILE:HG22	2:B:259:ILE:HG21	2	0.31	0.12	0.31
(1,801)	1:A:10:ILE:HG22	2:B:259:ILE:HG23	2	0.31	0.12	0.31
(1,801)	1:A:10:ILE:HG21	2:B:259:ILE:HG21	2	0.31	0.12	0.31
(1,801)	1:A:10:ILE:HG23	2:B:259:ILE:HG22	2	0.31	0.12	0.31
(1,801)	1:A:10:ILE:HG23	2:B:259:ILE:HG21	2	0.31	0.12	0.31
(1,801)	1:A:10:ILE:HG23	2:B:259:ILE:HG23	2	0.31	0.12	0.31
(1,10)	1:A:12:SER:H	2:B:209:LEU:HD22	2	0.3	0.16	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,10)	1:A:12:SER:H	2:B:209:LEU:HD21	2	0.3	0.16	0.3
(1,10)	1:A:12:SER:H	2:B:209:LEU:HD23	2	0.3	0.16	0.3
(1,308)	2:B:258:GLY:H	2:B:259:ILE:HD11	2	0.29	0.0	0.29
(1,308)	2:B:258:GLY:H	2:B:259:ILE:HD13	2	0.29	0.0	0.29
(1,308)	2:B:258:GLY:H	2:B:259:ILE:HD12	2	0.29	0.0	0.29
(1,211)	2:B:221:LYS:H	2:B:221:LYS:HG2	2	0.26	0.01	0.26
(1,211)	2:B:221:LYS:H	2:B:221:LYS:HG3	2	0.26	0.01	0.26
(1,672)	2:B:232:ILE:HD12	2:B:232:ILE:HB	2	0.26	0.01	0.26
(1,672)	2:B:232:ILE:HD11	2:B:232:ILE:HB	2	0.26	0.01	0.26
(1,672)	2:B:232:ILE:HD13	2:B:232:ILE:HB	2	0.26	0.01	0.26
(1,835)	1:A:1:MET:HE2	2:B:212:LEU:HB2	2	0.23	0.11	0.23
(1,835)	1:A:1:MET:HE1	2:B:212:LEU:HB2	2	0.23	0.11	0.23
(1,835)	1:A:1:MET:HE3	2:B:212:LEU:HB2	2	0.23	0.11	0.23
(1,835)	1:A:1:MET:HE3	2:B:212:LEU:HB3	2	0.23	0.11	0.23
(1,363)	2:B:301:GLU:H	2:B:301:GLU:HG2	2	0.22	0.02	0.22
(1,363)	2:B:301:GLU:H	2:B:301:GLU:HG3	2	0.22	0.02	0.22
(1,500)	1:A:39:VAL:HG12	1:A:5:SER:HB3	2	0.21	0.08	0.21
(1,500)	1:A:39:VAL:HG11	1:A:5:SER:HB2	2	0.21	0.08	0.21
(1,500)	1:A:39:VAL:HG11	1:A:5:SER:HB3	2	0.21	0.08	0.21
(1,500)	1:A:39:VAL:HG13	1:A:5:SER:HB2	2	0.21	0.08	0.21
(1,500)	1:A:39:VAL:HG13	1:A:5:SER:HB3	2	0.21	0.08	0.21
(1,500)	1:A:39:VAL:HG22	1:A:5:SER:HB3	2	0.21	0.08	0.21
(1,500)	1:A:39:VAL:HG21	1:A:5:SER:HB3	2	0.21	0.08	0.21
(1,500)	1:A:39:VAL:HG23	1:A:5:SER:HB3	2	0.21	0.08	0.21
(1,440)	1:A:21:VAL:HG12	1:A:19:ASP:HB2	2	0.2	0.07	0.2
(1,440)	1:A:21:VAL:HG12	1:A:19:ASP:HB3	2	0.2	0.07	0.2
(1,440)	1:A:21:VAL:HG11	1:A:19:ASP:HB2	2	0.2	0.07	0.2
(1,440)	1:A:21:VAL:HG11	1:A:19:ASP:HB3	2	0.2	0.07	0.2
(1,440)	1:A:21:VAL:HG13	1:A:19:ASP:HB2	2	0.2	0.07	0.2
(1,440)	1:A:21:VAL:HG13	1:A:19:ASP:HB3	2	0.2	0.07	0.2
(1,440)	1:A:21:VAL:HG22	1:A:19:ASP:HB2	2	0.2	0.07	0.2
(1,440)	1:A:21:VAL:HG22	1:A:19:ASP:HB3	2	0.2	0.07	0.2
(1,440)	1:A:21:VAL:HG21	1:A:19:ASP:HB3	2	0.2	0.07	0.2
(1,1172)	2:B:265:VAL:H	2:B:265:VAL:HB	2	0.2	0.01	0.2
(1,1006)	1:A:102:GLU:H	1:A:101:SER:HA	2	0.2	0.09	0.2
(1,83)	1:A:49:LYS:H	1:A:49:LYS:HG2	2	0.19	0.02	0.19
(1,83)	1:A:49:LYS:H	1:A:49:LYS:HG3	2	0.19	0.02	0.19
(1,323)	2:B:267:ALA:H	2:B:266:PRO:HB3	2	0.18	0.02	0.18
(1,323)	2:B:267:ALA:H	2:B:266:PRO:HB2	2	0.18	0.02	0.18
(1,865)	2:B:255:ILE:HG22	1:A:7:LEU:HA	2	0.18	0.02	0.18
(1,865)	2:B:255:ILE:HG21	1:A:7:LEU:HA	2	0.18	0.02	0.18
(1,865)	2:B:255:ILE:HG23	1:A:7:LEU:HA	2	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,353)	2:B:290:ALA:H	2:B:290:ALA:HB3	2	0.18	0.06	0.18
(1,353)	2:B:290:ALA:H	2:B:290:ALA:HB2	2	0.18	0.06	0.18
(1,353)	2:B:290:ALA:H	2:B:290:ALA:HB1	2	0.18	0.06	0.18
(1,1245)	1:A:54:VAL:HB	1:A:51:LEU:HG	2	0.17	0.03	0.17
(1,857)	2:B:230:VAL:HG12	1:A:31:LEU:HG	2	0.17	0.02	0.17
(1,857)	2:B:230:VAL:HG13	1:A:31:LEU:HG	2	0.17	0.02	0.17
(1,857)	2:B:230:VAL:HG22	1:A:31:LEU:HG	2	0.17	0.02	0.17
(1,857)	2:B:230:VAL:HG21	1:A:31:LEU:HG	2	0.17	0.02	0.17
(1,857)	2:B:230:VAL:HG23	1:A:31:LEU:HG	2	0.17	0.02	0.17
(1,827)	1:A:56:ILE:HD12	2:B:259:ILE:HG22	2	0.16	0.0	0.16
(1,827)	1:A:56:ILE:HD12	2:B:259:ILE:HG23	2	0.16	0.0	0.16
(1,827)	1:A:56:ILE:HD11	2:B:259:ILE:HG22	2	0.16	0.0	0.16
(1,827)	1:A:56:ILE:HD11	2:B:259:ILE:HG23	2	0.16	0.0	0.16
(1,827)	1:A:56:ILE:HD13	2:B:259:ILE:HG22	2	0.16	0.0	0.16
(1,827)	1:A:56:ILE:HD13	2:B:259:ILE:HG21	2	0.16	0.0	0.16
(1,827)	1:A:56:ILE:HD13	2:B:259:ILE:HG23	2	0.16	0.0	0.16
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG12	2	0.16	0.02	0.16
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG11	2	0.16	0.02	0.16
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG13	2	0.16	0.02	0.16
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG22	2	0.16	0.02	0.16
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG23	2	0.16	0.02	0.16
(1,98)	1:A:63:VAL:H	1:A:62:ASN:HB2	2	0.15	0.01	0.15
(1,98)	1:A:63:VAL:H	1:A:62:ASN:HB3	2	0.15	0.01	0.15
(1,870)	2:B:259:ILE:HD12	1:A:7:LEU:HA	2	0.15	0.02	0.15
(1,870)	2:B:259:ILE:HD12	1:A:10:ILE:HA	2	0.15	0.02	0.15
(1,870)	2:B:259:ILE:HD11	1:A:7:LEU:HA	2	0.15	0.02	0.15
(1,870)	2:B:259:ILE:HD11	1:A:10:ILE:HA	2	0.15	0.02	0.15
(1,870)	2:B:259:ILE:HD13	1:A:7:LEU:HA	2	0.15	0.02	0.15
(2,101)	2:B:243:ILE:N	2:B:239:LEU:O	2	0.15	0.01	0.15
(1,586)	1:A:108:MET:HA	1:A:108:MET:HG2	2	0.15	0.03	0.15
(1,586)	1:A:108:MET:HA	1:A:108:MET:HG3	2	0.15	0.03	0.15
(1,784)	2:B:296:ASP:HA	2:B:296:ASP:HB2	2	0.15	0.0	0.15
(1,784)	2:B:296:ASP:HA	2:B:296:ASP:HB3	2	0.15	0.0	0.15
(1,814)	1:A:21:VAL:HG12	2:B:232:ILE:HA	2	0.15	0.03	0.15
(1,814)	1:A:21:VAL:HG11	2:B:232:ILE:HA	2	0.15	0.03	0.15
(1,814)	1:A:21:VAL:HG22	2:B:232:ILE:HA	2	0.15	0.03	0.15
(1,814)	1:A:21:VAL:HG21	2:B:232:ILE:HA	2	0.15	0.03	0.15
(1,814)	1:A:21:VAL:HG23	2:B:232:ILE:HA	2	0.15	0.03	0.15
(1,144)	1:A:102:GLU:H	1:A:101:SER:HB2	2	0.15	0.0	0.15
(1,144)	1:A:102:GLU:H	1:A:101:SER:HB3	2	0.15	0.0	0.15
(1,802)	1:A:14:LEU:HD12	2:B:259:ILE:HG22	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD12	2:B:259:ILE:HG21	2	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,802)	1:A:14:LEU:HD12	2:B:259:ILE:HG23	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD12	2:B:262:LEU:HD12	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD12	2:B:262:LEU:HD13	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD12	2:B:262:LEU:HD21	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD11	2:B:259:ILE:HG22	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD11	2:B:259:ILE:HG21	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD11	2:B:259:ILE:HG23	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD22	2:B:259:ILE:HG22	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD22	2:B:259:ILE:HG21	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD22	2:B:259:ILE:HG23	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD12	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD11	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD13	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD22	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD21	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD23	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD21	2:B:259:ILE:HG22	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD21	2:B:259:ILE:HG21	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD12	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD11	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD13	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD22	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD21	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD23	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD23	2:B:259:ILE:HG22	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD23	2:B:259:ILE:HG21	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD12	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD11	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD13	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD21	2	0.15	0.02	0.15
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD23	2	0.15	0.02	0.15
(1,129)	1:A:94:VAL:H	1:A:93:LYS:HB2	2	0.14	0.03	0.14
(1,129)	1:A:94:VAL:H	1:A:93:LYS:HB3	2	0.14	0.03	0.14
(1,221)	2:B:224:LYS:H	2:B:224:LYS:HD2	2	0.14	0.01	0.14
(1,221)	2:B:224:LYS:H	2:B:224:LYS:HD3	2	0.14	0.01	0.14
(1,368)	2:B:303:GLU:H	2:B:303:GLU:HG2	2	0.14	0.02	0.14
(1,368)	2:B:303:GLU:H	2:B:303:GLU:HG3	2	0.14	0.02	0.14
(1,550)	1:A:60:ILE:HD12	1:A:60:ILE:HA	2	0.14	0.01	0.14
(1,550)	1:A:60:ILE:HD11	1:A:60:ILE:HA	2	0.14	0.01	0.14
(1,550)	1:A:60:ILE:HD13	1:A:60:ILE:HA	2	0.14	0.01	0.14
(1,176)	2:B:210:ALA:H	2:B:226:ILE:HD13	2	0.14	0.01	0.14
(1,176)	2:B:210:ALA:H	2:B:226:ILE:HD12	2	0.14	0.01	0.14

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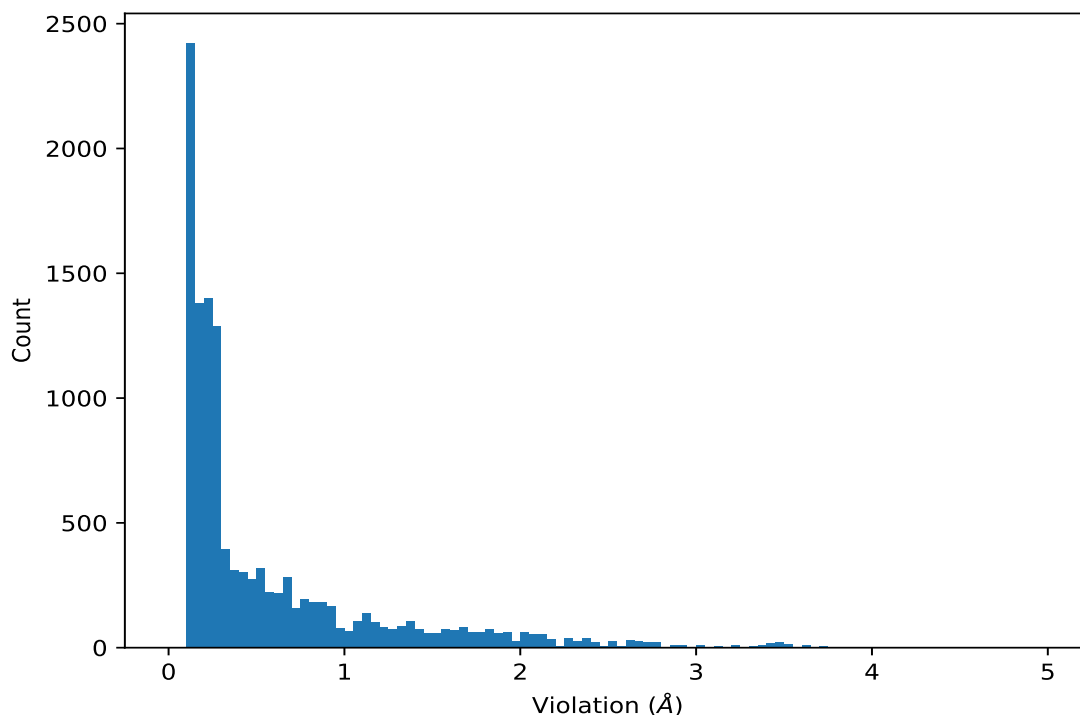
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,176)	2:B:210:ALA:H	2:B:226:ILE:HD11	2	0.14	0.01	0.14
(1,766)	2:B:311:PHE:HA	2:B:310:GLY:HA2	2	0.14	0.02	0.14
(1,766)	2:B:311:PHE:HA	2:B:310:GLY:HA3	2	0.14	0.02	0.14
(1,108)	1:A:72:ALA:H	1:A:71:ALA:HB2	2	0.13	0.01	0.13
(1,108)	1:A:72:ALA:H	1:A:71:ALA:HB1	2	0.13	0.01	0.13
(1,108)	1:A:72:ALA:H	1:A:71:ALA:HB3	2	0.13	0.01	0.13
(1,539)	1:A:56:ILE:HD12	1:A:17:HIS:HA	2	0.13	0.02	0.13
(1,539)	1:A:56:ILE:HD11	1:A:17:HIS:HA	2	0.13	0.02	0.13
(1,539)	1:A:56:ILE:HD13	1:A:17:HIS:HA	2	0.13	0.02	0.13
(1,975)	1:A:63:VAL:H	1:A:61:CYS:HA	2	0.13	0.01	0.13
(2,98)	2:B:241:LYS:H	2:B:237:ASP:O	2	0.12	0.01	0.12
(1,116)	1:A:83:SER:H	1:A:82:PRO:HG2	2	0.12	0.01	0.12
(1,116)	1:A:83:SER:H	1:A:82:PRO:HG3	2	0.12	0.01	0.12
(2,61)	1:A:59:LEU:N	1:A:56:ILE:O	2	0.12	0.01	0.12
(1,60)	1:A:36:GLY:H	1:A:32:ILE:HG22	2	0.12	0.0	0.12
(1,60)	1:A:36:GLY:H	1:A:32:ILE:HG21	2	0.12	0.0	0.12
(1,60)	1:A:36:GLY:H	1:A:32:ILE:HG23	2	0.12	0.0	0.12
(1,143)	1:A:101:SER:H	1:A:100:GLU:HG2	2	0.12	0.0	0.12
(1,143)	1:A:101:SER:H	1:A:100:GLU:HG3	2	0.12	0.0	0.12
(1,331)	2:B:270:ALA:H	2:B:269:GLY:HA2	2	0.12	0.0	0.12
(1,331)	2:B:270:ALA:H	2:B:269:GLY:HA3	2	0.12	0.0	0.12
(2,1)	1:A:7:LEU:N	1:A:3:SER:O	2	0.12	0.0	0.12
(1,753)	2:B:265:VAL:HG12	2:B:266:PRO:HD2	2	0.11	0.0	0.11
(1,753)	2:B:265:VAL:HG11	2:B:266:PRO:HD2	2	0.11	0.0	0.11
(1,753)	2:B:265:VAL:HG13	2:B:266:PRO:HD2	2	0.11	0.0	0.11
(1,753)	2:B:265:VAL:HG22	2:B:266:PRO:HD2	2	0.11	0.0	0.11
(1,753)	2:B:265:VAL:HG22	2:B:266:PRO:HD3	2	0.11	0.0	0.11
(1,753)	2:B:265:VAL:HG21	2:B:266:PRO:HD2	2	0.11	0.0	0.11
(1,753)	2:B:265:VAL:HG21	2:B:266:PRO:HD3	2	0.11	0.0	0.11
(1,753)	2:B:265:VAL:HG23	2:B:266:PRO:HD2	2	0.11	0.0	0.11
(1,753)	2:B:265:VAL:HG23	2:B:266:PRO:HD3	2	0.11	0.0	0.11
(1,992)	1:A:85:ALA:H	1:A:85:ALA:HA	2	0.11	0.0	0.11

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)
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	7	4.96
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	7	4.96
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	7	4.96
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	10	4.94
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	10	4.94
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	10	4.94
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	9	3.72
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	9	3.72
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	9	3.72
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	17	3.72
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	17	3.72
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	17	3.72
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	10	3.69
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	10	3.69
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	17	3.64
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	17	3.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	17	3.64
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	2	3.63
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	2	3.63
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	2	3.63
(1,698)	2:B:243:ILE:HD12	2:B:207:TYR:HD2	9	3.62
(1,698)	2:B:243:ILE:HD11	2:B:207:TYR:HD2	9	3.62
(1,698)	2:B:243:ILE:HD13	2:B:207:TYR:HD2	9	3.62
(1,698)	2:B:243:ILE:HD12	2:B:207:TYR:HD2	10	3.59
(1,698)	2:B:243:ILE:HD11	2:B:207:TYR:HD2	10	3.59
(1,698)	2:B:243:ILE:HD13	2:B:207:TYR:HD2	10	3.59
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	10	3.52
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	10	3.52
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	10	3.52
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	16	3.51
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	16	3.51
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	16	3.51
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	16	3.51
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	16	3.51
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	16	3.51
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	16	3.51
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	16	3.51
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	16	3.51
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	16	3.51
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	3	3.47
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	3	3.47
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	3	3.47
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	3	3.47
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	3	3.47
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	3	3.47
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	3	3.47
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	3	3.47
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	3	3.47
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	3	3.47
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	17	3.47
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	5	3.45
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	5	3.45
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	5	3.45
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	5	3.45
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	5	3.45
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	5	3.45
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	5	3.45
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	5	3.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	5	3.45
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	5	3.45
(1,698)	2:B:243:ILE:HD12	2:B:207:TYR:HD2	7	3.42
(1,698)	2:B:243:ILE:HD11	2:B:207:TYR:HD2	7	3.42
(1,698)	2:B:243:ILE:HD13	2:B:207:TYR:HD2	7	3.42
(1,698)	2:B:243:ILE:HD12	2:B:207:TYR:HD2	17	3.42
(1,698)	2:B:243:ILE:HD11	2:B:207:TYR:HD2	17	3.42
(1,698)	2:B:243:ILE:HD13	2:B:207:TYR:HD2	17	3.42
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	18	3.42
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	18	3.42
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	18	3.42
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	18	3.42
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	18	3.42
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	18	3.42
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	18	3.42
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	18	3.42
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	18	3.42
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	18	3.42
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	7	3.41
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	7	3.41
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	17	3.4
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	17	3.4
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	1	3.36
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	1	3.36
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	1	3.36
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	1	3.36
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	1	3.36
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	1	3.36
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	1	3.36
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	1	3.36
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	1	3.36
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	1	3.36
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	9	3.32
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	9	3.32
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	16	3.32
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	16	3.32
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	16	3.32
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	17	3.28
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	17	3.28
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	17	3.28
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	9	3.23
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	9	3.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	9	3.23
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	2	3.22
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	2	3.22
(1,698)	2:B:243:ILE:HD12	2:B:207:TYR:HD2	2	3.22
(1,698)	2:B:243:ILE:HD11	2:B:207:TYR:HD2	2	3.22
(1,698)	2:B:243:ILE:HD13	2:B:207:TYR:HD2	2	3.22
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	17	3.21
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	17	3.21
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	17	3.21
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	7	3.17
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	7	3.17
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	7	3.17
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	9	3.15
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	9	3.15
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	2	3.1
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	2	3.1
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	2	3.1
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	4	3.1
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	4	3.1
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	17	3.06
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	17	3.06
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	15	3.06
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	7	3.05
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	7	3.05
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	7	3.05
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	16	3.02
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	16	3.02
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	16	3.02
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	10	3.0
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	10	3.0
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	10	3.0
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	15	2.98
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	15	2.98
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	15	2.94
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	15	2.94
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	15	2.94
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	15	2.94
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	15	2.94
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	15	2.94
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	15	2.94
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	15	2.94
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	15	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	15	2.94
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	2	2.87
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	2	2.87
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	2	2.87
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	2	2.87
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	2	2.87
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	2	2.87
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	2	2.87
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	2	2.87
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	2	2.87
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	2	2.87
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	2	2.81
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	2	2.81
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	2	2.81
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	18	2.79
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	18	2.79
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	18	2.79
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	18	2.79
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	18	2.79
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	2	2.77
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	2	2.77
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	2	2.77
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	9	2.77
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	9	2.77
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	9	2.77
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	10	2.77
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	10	2.77
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	10	2.77
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	2	2.77
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	2	2.77
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	2	2.77
(1,452)	1:A:23:VAL:HG22	1:A:48:ALA:HA	4	2.77
(1,452)	1:A:23:VAL:HG21	1:A:48:ALA:HA	4	2.77
(1,452)	1:A:23:VAL:HG23	1:A:48:ALA:HA	4	2.77
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	10	2.76
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	10	2.76
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	10	2.76
(1,723)	2:B:251:ILE:HD12	2:B:207:TYR:HE1	10	2.73
(1,723)	2:B:251:ILE:HD11	2:B:207:TYR:HE1	10	2.73
(1,723)	2:B:251:ILE:HD13	2:B:207:TYR:HE1	10	2.73
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	16	2.73
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	16	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	16	2.73
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	9	2.73
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	9	2.73
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	9	2.73
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	19	2.73
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	3	2.72
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	3	2.72
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	3	2.72
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	5	2.71
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	5	2.71
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	5	2.71
(1,723)	2:B:251:ILE:HD12	2:B:207:TYR:HE1	2	2.7
(1,723)	2:B:251:ILE:HD11	2:B:207:TYR:HE1	2	2.7
(1,723)	2:B:251:ILE:HD13	2:B:207:TYR:HE1	2	2.7
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	8	2.7
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	8	2.7
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	8	2.7
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	14	2.7
(1,723)	2:B:251:ILE:HD12	2:B:207:TYR:HE1	7	2.69
(1,723)	2:B:251:ILE:HD11	2:B:207:TYR:HE1	7	2.69
(1,723)	2:B:251:ILE:HD13	2:B:207:TYR:HE1	7	2.69
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	5	2.69
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	5	2.69
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	5	2.69
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	5	2.69
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	5	2.69
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	5	2.69
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	8	2.69
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	8	2.69
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	8	2.69
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	3	2.68
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	3	2.68
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	3	2.68
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	6	2.68
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	6	2.68
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	6	2.68
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	18	2.68
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	18	2.68
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	18	2.68
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	18	2.67
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	18	2.67
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	18	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	8	2.66
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	8	2.66
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	8	2.66
(1,723)	2:B:251:ILE:HD12	2:B:207:TYR:HE1	9	2.65
(1,723)	2:B:251:ILE:HD11	2:B:207:TYR:HE1	9	2.65
(1,723)	2:B:251:ILE:HD13	2:B:207:TYR:HE1	9	2.65
(1,723)	2:B:251:ILE:HD12	2:B:207:TYR:HE1	17	2.64
(1,723)	2:B:251:ILE:HD11	2:B:207:TYR:HE1	17	2.64
(1,723)	2:B:251:ILE:HD13	2:B:207:TYR:HE1	17	2.64
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	2	2.64
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	2	2.64
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	2	2.64
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	9	2.64
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	1	2.63
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	1	2.63
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	1	2.63
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HE2	2	2.63
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HD2	2	2.63
(1,645)	2:B:223:ILE:HD11	2:B:207:TYR:HD2	2	2.63
(1,645)	2:B:223:ILE:HD13	2:B:207:TYR:HD2	2	2.63
(1,452)	1:A:23:VAL:HG22	1:A:48:ALA:HA	7	2.63
(1,452)	1:A:23:VAL:HG21	1:A:48:ALA:HA	7	2.63
(1,452)	1:A:23:VAL:HG23	1:A:48:ALA:HA	7	2.63
(1,795)	1:A:4:VAL:HG13	2:B:212:LEU:HG	4	2.62
(1,795)	1:A:4:VAL:HG12	2:B:212:LEU:HG	4	2.62
(1,795)	1:A:4:VAL:HG11	2:B:212:LEU:HG	4	2.62
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	7	2.62
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	7	2.62
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	7	2.62
(1,795)	1:A:4:VAL:HG13	2:B:212:LEU:HG	10	2.61
(1,795)	1:A:4:VAL:HG12	2:B:212:LEU:HG	10	2.61
(1,795)	1:A:4:VAL:HG11	2:B:212:LEU:HG	10	2.61
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	8	2.59
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	8	2.59
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	8	2.59
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	16	2.58
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	14	2.57
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	14	2.57
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	14	2.57
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	15	2.55
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	15	2.55
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	15	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	16	2.55
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	16	2.55
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	16	2.55
(1,795)	1:A:4:VAL:HG13	2:B:212:LEU:HG	15	2.53
(1,795)	1:A:4:VAL:HG12	2:B:212:LEU:HG	15	2.53
(1,795)	1:A:4:VAL:HG11	2:B:212:LEU:HG	15	2.53
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	17	2.53
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	17	2.53
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	17	2.53
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	14	2.52
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	14	2.52
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	14	2.52
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	14	2.52
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	14	2.52
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HE2	17	2.52
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HD2	17	2.52
(1,645)	2:B:223:ILE:HD11	2:B:207:TYR:HD2	17	2.52
(1,645)	2:B:223:ILE:HD13	2:B:207:TYR:HD2	17	2.52
(1,452)	1:A:23:VAL:HG22	1:A:48:ALA:HA	11	2.52
(1,452)	1:A:23:VAL:HG21	1:A:48:ALA:HA	11	2.52
(1,452)	1:A:23:VAL:HG23	1:A:48:ALA:HA	11	2.52
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	15	2.5
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	15	2.5
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	15	2.5
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	11	2.49
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	11	2.49
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	11	2.49
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HE2	9	2.45
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HD2	9	2.45
(1,645)	2:B:223:ILE:HD11	2:B:207:TYR:HD2	9	2.45
(1,645)	2:B:223:ILE:HD13	2:B:207:TYR:HD2	9	2.45
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	13	2.44
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	13	2.44
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	13	2.44
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	9	2.42
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	9	2.42
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	9	2.42
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	13	2.42
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	13	2.42
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	13	2.42
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	14	2.42
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	14	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	14	2.42
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	14	2.42
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	14	2.42
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	16	2.42
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	16	2.42
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	16	2.42
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	7	2.42
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	13	2.41
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	13	2.41
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	13	2.41
(1,826)	1:A:37:VAL:HG22	2:B:212:LEU:HG	15	2.4
(1,826)	1:A:37:VAL:HG21	2:B:212:LEU:HG	15	2.4
(1,826)	1:A:37:VAL:HG23	2:B:212:LEU:HG	15	2.4
(1,452)	1:A:23:VAL:HG22	1:A:48:ALA:HA	10	2.4
(1,452)	1:A:23:VAL:HG21	1:A:48:ALA:HA	10	2.4
(1,452)	1:A:23:VAL:HG23	1:A:48:ALA:HA	10	2.4
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	15	2.39
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	15	2.39
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	15	2.39
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	15	2.39
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	15	2.39
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	15	2.39
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	15	2.39
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	15	2.39
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	15	2.39
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	15	2.39
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	15	2.39
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	15	2.39
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	15	2.39
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	15	2.39
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG13	20	2.38
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG12	20	2.38
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG13	20	2.38
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG12	20	2.38
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG13	20	2.38
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG12	20	2.38
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG23	9	2.38
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG22	9	2.38
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG21	9	2.38
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	4	2.38
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	7	2.37
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	7	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	7	2.37
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	7	2.37
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	7	2.37
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG23	17	2.36
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG22	17	2.36
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG21	17	2.36
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	2	2.34
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	2	2.34
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	2	2.34
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	2	2.34
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	2	2.34
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	2	2.34
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	2	2.34
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	2	2.34
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	2	2.34
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	19	2.34
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	19	2.34
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	19	2.34
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	3	2.34
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	3	2.34
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	3	2.34
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	3	2.34
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	3	2.34
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	8	2.34
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	8	2.31
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	8	2.31
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	8	2.31
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	14	2.31
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	14	2.31
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	14	2.31
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	8	2.31
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	8	2.31
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	8	2.31
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	10	2.3
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	10	2.3
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	10	2.3
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	2	2.29
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	2	2.29
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	2	2.29
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	2	2.29
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	2	2.29
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	8	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	8	2.29
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	8	2.29
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	8	2.29
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	8	2.29
(1,531)	1:A:54:VAL:HG12	1:A:58:SER:HB2	16	2.27
(1,531)	1:A:54:VAL:HG12	1:A:58:SER:HB3	16	2.27
(1,531)	1:A:54:VAL:HG11	1:A:58:SER:HB2	16	2.27
(1,531)	1:A:54:VAL:HG11	1:A:58:SER:HB3	16	2.27
(1,531)	1:A:54:VAL:HG13	1:A:58:SER:HB2	16	2.27
(1,531)	1:A:54:VAL:HG13	1:A:58:SER:HB3	16	2.27
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	8	2.26
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	8	2.26
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	8	2.26
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	8	2.26
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	8	2.26
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	19	2.26
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	19	2.26
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	19	2.26
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	6	2.26
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	6	2.26
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	5	2.26
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	6	2.26
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	4	2.25
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	4	2.25
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	4	2.25
(1,614)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	18	2.25
(1,614)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	18	2.25
(1,614)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	18	2.25
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	17	2.25
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG13	14	2.23
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG12	14	2.23
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG13	14	2.23
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG12	14	2.23
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG13	14	2.23
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG12	14	2.23
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG13	3	2.19
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG12	3	2.19
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG13	3	2.19
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG12	3	2.19
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG13	3	2.19
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG12	3	2.19
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	6	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	6	2.19
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	6	2.19
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	5	2.19
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	5	2.19
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	5	2.19
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	2	2.19
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	2	2.19
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	2	2.19
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	9	2.17
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	9	2.17
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	9	2.17
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	9	2.17
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	9	2.17
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HE2	7	2.17
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HD2	7	2.17
(1,645)	2:B:223:ILE:HD11	2:B:207:TYR:HD2	7	2.17
(1,645)	2:B:223:ILE:HD13	2:B:207:TYR:HD2	7	2.17
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	5	2.16
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	5	2.16
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	5	2.16
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD1	16	2.16
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD2	16	2.16
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD1	16	2.16
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD2	16	2.16
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD1	16	2.16
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD2	16	2.16
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	9	2.14
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	9	2.14
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	9	2.14
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	15	2.14
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	15	2.14
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	15	2.14
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	3	2.14
(1,826)	1:A:37:VAL:HG22	2:B:212:LEU:HG	17	2.13
(1,826)	1:A:37:VAL:HG21	2:B:212:LEU:HG	17	2.13
(1,826)	1:A:37:VAL:HG23	2:B:212:LEU:HG	17	2.13
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	14	2.13
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	14	2.13
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	14	2.13
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	6	2.13
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	6	2.13
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	6	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	20	2.13
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	20	2.13
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	20	2.13
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB2	9	2.12
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	9	2.12
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB2	9	2.12
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	9	2.12
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB2	9	2.12
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	9	2.12
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	16	2.12
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	16	2.12
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	16	2.12
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	16	2.12
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	16	2.12
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	10	2.12
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	10	2.12
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	10	2.12
(1,826)	1:A:37:VAL:HG22	2:B:212:LEU:HG	9	2.11
(1,826)	1:A:37:VAL:HG21	2:B:212:LEU:HG	9	2.11
(1,826)	1:A:37:VAL:HG23	2:B:212:LEU:HG	9	2.11
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	15	2.11
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	15	2.11
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	15	2.11
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	7	2.11
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	7	2.11
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	7	2.11
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	7	2.11
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	7	2.11
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	7	2.11
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	7	2.11
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	7	2.11
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG13	11	2.1
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG12	11	2.1
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG13	11	2.1
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG12	11	2.1
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG13	11	2.1
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG12	11	2.1
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	11	2.09
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	11	2.09
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	11	2.09
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	11	2.09
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	11	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	11	2.09
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	11	2.09
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	11	2.09
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	11	2.09
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	5	2.09
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	5	2.09
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	5	2.09
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	16	2.09
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	16	2.09
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	16	2.09
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	16	2.09
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	16	2.09
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	16	2.09
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	7	2.09
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	7	2.09
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	7	2.09
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	11	2.09
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	11	2.09
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	11	2.09
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	12	2.09
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	14	2.08
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	14	2.08
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	14	2.08
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	19	2.08
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	19	2.08
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	19	2.08
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	12	2.08
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	12	2.08
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	12	2.08
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	5	2.08
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	5	2.08
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	5	2.08
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	20	2.06
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	20	2.06
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	20	2.06
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD1	6	2.06
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD2	6	2.06
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD1	6	2.06
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD2	6	2.06
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD1	6	2.06
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD2	6	2.06
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	4	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	4	2.06
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	4	2.06
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	4	2.06
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	4	2.06
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	4	2.06
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	4	2.06
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	4	2.06
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	16	2.05
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	16	2.05
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	16	2.05
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD22	16	2.05
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD21	16	2.05
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD23	16	2.05
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD22	16	2.05
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD21	16	2.05
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD23	16	2.05
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD22	16	2.05
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD21	16	2.05
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD23	16	2.05
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	16	2.05
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	16	2.05
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	16	2.05
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	16	2.04
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	16	2.04
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	16	2.04
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG13	15	2.03
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG12	15	2.03
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG13	15	2.03
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG12	15	2.03
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG13	15	2.03
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG12	15	2.03
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	7	2.03
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	7	2.03
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	7	2.03
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	7	2.03
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	7	2.03
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	7	2.03
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	9	2.03
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	9	2.03
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	9	2.03
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	5	2.03
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	5	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	13	2.02
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	13	2.02
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	13	2.02
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	13	2.02
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	13	2.02
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	6	2.02
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	6	2.02
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	6	2.02
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	6	2.02
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	6	2.02
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	18	2.01
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	18	2.01
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	18	2.01
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	12	2.01
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	12	2.01
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	12	2.01
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	12	2.01
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	12	2.01
(1,621)	2:B:209:LEU:HD22	1:A:8:ALA:HA	6	2.01
(1,621)	2:B:209:LEU:HD21	1:A:8:ALA:HA	6	2.01
(1,621)	2:B:209:LEU:HD23	1:A:8:ALA:HA	6	2.01
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG23	2	2.01
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG22	2	2.01
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG21	2	2.01
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	11	2.0
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	11	2.0
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	11	2.0
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HE2	10	1.99
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HD2	10	1.99
(1,645)	2:B:223:ILE:HD11	2:B:207:TYR:HD2	10	1.99
(1,645)	2:B:223:ILE:HD13	2:B:207:TYR:HD2	10	1.99
(1,793)	1:A:4:VAL:HG12	2:B:212:LEU:HA	1	1.98
(1,793)	1:A:4:VAL:HG11	2:B:212:LEU:HA	1	1.98
(1,793)	1:A:4:VAL:HG13	2:B:212:LEU:HA	1	1.98
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	1	1.98
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	1	1.98
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	1	1.98
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	17	1.96
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	17	1.96
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	17	1.96
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	19	1.96
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	19	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	19	1.96
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	19	1.96
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	19	1.96
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	19	1.96
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	4	1.96
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	4	1.96
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	4	1.96
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	19	1.96
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	19	1.96
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	19	1.96
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	13	1.95
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	13	1.95
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	13	1.95
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	13	1.95
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	13	1.95
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	13	1.95
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB2	1	1.94
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB3	1	1.94
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB2	1	1.94
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB3	1	1.94
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB2	1	1.94
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB3	1	1.94
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	15	1.94
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	15	1.94
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	15	1.94
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD1	4	1.94
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD2	4	1.94
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD1	4	1.94
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD2	4	1.94
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD1	4	1.94
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD2	4	1.94
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD1	19	1.94
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD2	19	1.94
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD1	19	1.94
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD2	19	1.94
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD1	19	1.94
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD2	19	1.94
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD22	3	1.93
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD21	3	1.93
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD23	3	1.93
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD22	3	1.93
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD21	3	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD23	3	1.93
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD22	3	1.93
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD21	3	1.93
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD23	3	1.93
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	2	1.93
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	2	1.93
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	2	1.93
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	3	1.93
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	3	1.93
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	3	1.93
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	4	1.93
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	4	1.93
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	4	1.93
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	4	1.93
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	4	1.93
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	4	1.93
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB2	17	1.92
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	17	1.92
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB2	17	1.92
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	17	1.92
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB2	17	1.92
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	17	1.92
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	11	1.92
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	11	1.92
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	11	1.92
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	11	1.92
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	7	1.91
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	7	1.91
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	7	1.91
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	3	1.91
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	3	1.91
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	3	1.91
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	17	1.9
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	17	1.9
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	17	1.9
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	17	1.9
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	17	1.9
(1,633)	2:B:211:ALA:HB2	2:B:207:TYR:HD1	7	1.89
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HD1	7	1.89
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HE1	7	1.89
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HD1	7	1.89
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HE1	7	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB2	16	1.89
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB3	16	1.89
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB2	16	1.89
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB3	16	1.89
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB2	16	1.89
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB3	16	1.89
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	9	1.88
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	9	1.88
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	9	1.88
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	4	1.88
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	4	1.88
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	4	1.88
(1,531)	1:A:54:VAL:HG12	1:A:58:SER:HB2	12	1.88
(1,531)	1:A:54:VAL:HG12	1:A:58:SER:HB3	12	1.88
(1,531)	1:A:54:VAL:HG11	1:A:58:SER:HB2	12	1.88
(1,531)	1:A:54:VAL:HG11	1:A:58:SER:HB3	12	1.88
(1,531)	1:A:54:VAL:HG13	1:A:58:SER:HB2	12	1.88
(1,531)	1:A:54:VAL:HG13	1:A:58:SER:HB3	12	1.88
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	9	1.88
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	9	1.88
(1,793)	1:A:4:VAL:HG12	2:B:212:LEU:HA	4	1.86
(1,793)	1:A:4:VAL:HG11	2:B:212:LEU:HA	4	1.86
(1,793)	1:A:4:VAL:HG13	2:B:212:LEU:HA	4	1.86
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD22	5	1.86
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD21	5	1.86
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD23	5	1.86
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD22	5	1.86
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD21	5	1.86
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD23	5	1.86
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD22	5	1.86
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD21	5	1.86
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD23	5	1.86
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	17	1.86
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	17	1.86
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	17	1.86
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	17	1.86
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	17	1.86
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	17	1.86
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	3	1.86
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	3	1.86
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	3	1.86
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	3	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	3	1.86
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	8	1.85
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	8	1.85
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	8	1.85
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	8	1.85
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	8	1.85
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	8	1.85
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG13	8	1.84
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG12	8	1.84
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG13	8	1.84
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG12	8	1.84
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG13	8	1.84
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG12	8	1.84
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB2	15	1.83
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	15	1.83
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB2	15	1.83
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	15	1.83
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB2	15	1.83
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	15	1.83
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	20	1.83
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	20	1.83
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	20	1.83
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	20	1.83
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	20	1.83
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	20	1.83
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	7	1.83
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	7	1.83
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	7	1.83
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	7	1.83
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	7	1.83
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	8	1.83
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	8	1.83
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	8	1.83
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB2	12	1.83
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB3	12	1.83
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB2	12	1.83
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB3	12	1.83
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB2	12	1.83
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB3	12	1.83
(1,452)	1:A:23:VAL:HG22	1:A:48:ALA:HA	1	1.83
(1,452)	1:A:23:VAL:HG21	1:A:48:ALA:HA	1	1.83
(1,452)	1:A:23:VAL:HG23	1:A:48:ALA:HA	1	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	2	1.82
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	2	1.82
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	2	1.82
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	15	1.82
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	15	1.82
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	15	1.82
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	2	1.82
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	2	1.82
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	2	1.82
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	2	1.82
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	2	1.82
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	2	1.82
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	16	1.81
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	16	1.81
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	16	1.81
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	7	1.81
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	7	1.81
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	7	1.81
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	7	1.81
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	7	1.81
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	7	1.81
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	7	1.81
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	7	1.81
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	7	1.81
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	7	1.81
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	7	1.81
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	7	1.81
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	7	1.81
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	7	1.81
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	7	1.81
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	12	1.8
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	12	1.8
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	12	1.8
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	12	1.8
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	12	1.8
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	12	1.8
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	17	1.8
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	17	1.8
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	17	1.8
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG12	4	1.79
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG13	4	1.79
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG12	4	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG13	4	1.79
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG12	4	1.79
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG13	4	1.79
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG22	15	1.79
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG21	15	1.79
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG23	15	1.79
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	12	1.78
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	12	1.78
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	12	1.78
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	11	1.78
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	11	1.78
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	11	1.78
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	11	1.78
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	11	1.78
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	6	1.78
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	6	1.78
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	6	1.78
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	15	1.78
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	1	1.77
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	1	1.77
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	1	1.77
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	1	1.77
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	1	1.77
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	1	1.77
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	1	1.77
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	1	1.77
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	1	1.77
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	1	1.77
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	1	1.77
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	1	1.77
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	1	1.77
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	1	1.77
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	1	1.77
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	7	1.77
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	7	1.77
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	7	1.77
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	3	1.77
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	3	1.77
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	3	1.77
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	3	1.77
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	3	1.77
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	3	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	5	1.77
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	5	1.77
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	5	1.77
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	5	1.77
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	5	1.77
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	5	1.77
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	8	1.76
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	8	1.76
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	8	1.76
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	16	1.75
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	16	1.75
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	16	1.75
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	16	1.75
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	16	1.75
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	16	1.75
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	16	1.75
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	16	1.75
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	3	1.74
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	3	1.74
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	3	1.74
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	3	1.74
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	3	1.74
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	3	1.74
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	3	1.74
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	3	1.74
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	3	1.74
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	3	1.74
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	3	1.74
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	3	1.74
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	3	1.74
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	3	1.74
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	3	1.74
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	7	1.74
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	7	1.74
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	7	1.74
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	7	1.74
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	7	1.74
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	7	1.74
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	7	1.74
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	7	1.74
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	5	1.74
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	5	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	5	1.74
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	5	1.74
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	5	1.74
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	5	1.74
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	5	1.74
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	5	1.74
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	4	1.74
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	4	1.74
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	18	1.73
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	18	1.73
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	18	1.73
(1,793)	1:A:4:VAL:HG12	2:B:212:LEU:HA	10	1.72
(1,793)	1:A:4:VAL:HG11	2:B:212:LEU:HA	10	1.72
(1,793)	1:A:4:VAL:HG13	2:B:212:LEU:HA	10	1.72
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	20	1.72
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	20	1.72
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG13	16	1.71
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG12	16	1.71
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG13	16	1.71
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG12	16	1.71
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG13	16	1.71
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG12	16	1.71
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	19	1.71
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	19	1.71
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	19	1.71
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	19	1.71
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	19	1.71
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	19	1.71
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	19	1.71
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	18	1.71
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	18	1.71
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	18	1.71
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	18	1.71
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	18	1.71
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	18	1.71
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	18	1.71
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	18	1.71
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	8	1.7
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	8	1.7
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	8	1.7
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	8	1.7
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	8	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	8	1.7
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	8	1.7
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	8	1.7
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	16	1.7
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	3	1.69
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	3	1.69
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	3	1.69
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB2	6	1.69
(1,689)	2:B:239:LEU:HD12	2:B:240:ASN:HB3	6	1.69
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB2	6	1.69
(1,689)	2:B:239:LEU:HD11	2:B:240:ASN:HB3	6	1.69
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB2	6	1.69
(1,689)	2:B:239:LEU:HD13	2:B:240:ASN:HB3	6	1.69
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	17	1.69
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	17	1.69
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	17	1.69
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	17	1.69
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	17	1.69
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	17	1.69
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	17	1.69
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB2	6	1.68
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	6	1.68
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB2	6	1.68
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	6	1.68
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB2	6	1.68
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	6	1.68
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	1	1.68
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	1	1.68
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	1	1.68
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	9	1.68
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	9	1.68
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	9	1.68
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	9	1.68
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	9	1.68
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	8	1.67
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	8	1.67
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	8	1.67
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	8	1.67
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	8	1.67
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	8	1.67
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	8	1.67
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	13	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	13	1.67
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	13	1.67
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	13	1.67
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	13	1.67
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	13	1.67
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	13	1.67
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	13	1.67
(1,621)	2:B:209:LEU:HD22	1:A:8:ALA:HA	19	1.67
(1,621)	2:B:209:LEU:HD21	1:A:8:ALA:HA	19	1.67
(1,621)	2:B:209:LEU:HD23	1:A:8:ALA:HA	19	1.67
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG12	19	1.67
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG13	19	1.67
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG12	19	1.67
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG13	19	1.67
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG12	19	1.67
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG13	19	1.67
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	19	1.66
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	19	1.66
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	19	1.66
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	19	1.66
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	19	1.66
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	19	1.66
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	4	1.66
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	4	1.66
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	4	1.66
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	4	1.66
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	4	1.66
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	4	1.66
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	4	1.66
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	10	1.66
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	10	1.66
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	10	1.66
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	10	1.66
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	10	1.66
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD12	7	1.66
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD11	7	1.66
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD13	7	1.66
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	11	1.65
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	11	1.65
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	11	1.65
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG13	19	1.63
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG12	19	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG13	19	1.63
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG12	19	1.63
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG13	19	1.63
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG12	19	1.63
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	4	1.63
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	4	1.63
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	4	1.63
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	11	1.62
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	11	1.62
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	11	1.62
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	11	1.62
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	11	1.62
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	11	1.62
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	11	1.62
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	3	1.62
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	3	1.62
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	3	1.62
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	3	1.62
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	3	1.62
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	15	1.62
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	15	1.62
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	15	1.62
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	15	1.62
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	15	1.62
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	16	1.62
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	16	1.62
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	16	1.62
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	16	1.62
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	16	1.62
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	16	1.62
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	16	1.62
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	16	1.62
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	13	1.62
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	13	1.62
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	13	1.62
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	13	1.62
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	13	1.62
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	13	1.62
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	13	1.62
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	13	1.62
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	17	1.62
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	17	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	17	1.62
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG13	18	1.61
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG12	18	1.61
(1,735)	2:B:254:VAL:HG11	2:B:255:ILE:HG13	18	1.61
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG12	18	1.61
(1,735)	2:B:254:VAL:HG13	2:B:255:ILE:HG13	18	1.61
(1,735)	2:B:254:VAL:HG12	2:B:255:ILE:HG12	18	1.61
(1,793)	1:A:4:VAL:HG12	2:B:212:LEU:HA	15	1.6
(1,793)	1:A:4:VAL:HG11	2:B:212:LEU:HA	15	1.6
(1,793)	1:A:4:VAL:HG13	2:B:212:LEU:HA	15	1.6
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	11	1.6
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	11	1.6
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	11	1.6
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	11	1.6
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	11	1.6
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	11	1.6
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	11	1.6
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	11	1.6
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	11	1.6
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	11	1.6
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	11	1.6
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	11	1.6
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	11	1.6
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	11	1.6
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	11	1.6
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	12	1.59
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	12	1.59
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	12	1.59
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	12	1.59
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	12	1.59
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	12	1.59
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	12	1.59
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	3	1.59
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	3	1.59
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	3	1.59
(1,679)	2:B:234:ALA:HB2	2:B:203:TYR:HD2	6	1.59
(1,679)	2:B:234:ALA:HB1	2:B:203:TYR:HD2	6	1.59
(1,679)	2:B:234:ALA:HB3	2:B:203:TYR:HD2	6	1.59
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	15	1.59
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	15	1.59
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	15	1.59
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	15	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	15	1.59
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	4	1.58
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	4	1.58
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	4	1.58
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	15	1.58
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	15	1.58
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD22	10	1.57
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD21	10	1.57
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD23	10	1.57
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD22	10	1.57
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD21	10	1.57
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD23	10	1.57
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD22	10	1.57
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD21	10	1.57
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD23	10	1.57
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	12	1.57
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	12	1.57
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	12	1.57
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	14	1.57
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	14	1.57
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	14	1.57
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	4	1.56
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	4	1.56
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	4	1.56
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	4	1.56
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	4	1.56
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	4	1.56
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	12	1.56
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	12	1.56
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	12	1.56
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	12	1.56
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	12	1.56
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	12	1.56
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	9	1.56
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	9	1.56
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	9	1.56
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	9	1.56
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	9	1.56
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	10	1.55
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	10	1.55
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	10	1.55
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	10	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	10	1.55
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	10	1.55
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	10	1.55
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	10	1.55
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	10	1.55
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	10	1.55
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	10	1.55
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	10	1.55
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	10	1.55
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	14	1.55
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	14	1.55
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	14	1.55
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	14	1.55
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	14	1.55
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	14	1.55
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	14	1.55
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	14	1.55
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	18	1.54
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	18	1.54
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	18	1.54
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	18	1.54
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	18	1.54
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	2	1.53
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	2	1.53
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	2	1.53
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	2	1.53
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	2	1.53
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	2	1.53
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	2	1.53
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	2	1.53
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG12	16	1.53
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG13	16	1.53
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG12	16	1.53
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG13	16	1.53
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG12	16	1.53
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG13	16	1.53
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	13	1.52
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	13	1.52
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	13	1.52
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	13	1.52
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	13	1.52
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	13	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	10	1.52
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	10	1.52
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	10	1.52
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	10	1.52
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	10	1.52
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	11	1.52
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	11	1.52
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	11	1.52
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	11	1.52
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	11	1.52
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	6	1.51
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	6	1.51
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	6	1.51
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	6	1.51
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	6	1.51
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	6	1.51
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	6	1.51
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	6	1.51
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	6	1.51
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	6	1.51
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	4	1.5
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	4	1.5
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	4	1.5
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	4	1.5
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	4	1.5
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	4	1.5
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	4	1.5
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	4	1.5
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	4	1.5
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	4	1.5
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	4	1.5
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	4	1.5
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	4	1.5
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	2	1.5
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	10	1.49
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	10	1.49
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	10	1.49
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	10	1.49
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	10	1.49
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	10	1.49
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	19	1.49
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	19	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	19	1.49
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	19	1.49
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	19	1.49
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD22	11	1.48
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD21	11	1.48
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD23	11	1.48
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD22	11	1.48
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD21	11	1.48
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD23	11	1.48
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD22	11	1.48
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD21	11	1.48
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD23	11	1.48
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	11	1.47
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	11	1.47
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	11	1.47
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	11	1.47
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	11	1.47
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	11	1.47
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	17	1.47
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	17	1.47
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	17	1.47
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	17	1.47
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	17	1.47
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	17	1.47
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	17	1.47
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	17	1.47
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	17	1.47
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	17	1.47
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	11	1.46
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	11	1.46
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	11	1.46
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	17	1.46
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	17	1.46
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	17	1.46
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	17	1.46
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	17	1.46
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	17	1.46
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	17	1.46
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	17	1.46
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD1	7	1.46
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD2	7	1.46
(1,610)	2:B:208:LEU:HD11	1:A:11:TYR:HD2	7	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD1	7	1.46
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD2	7	1.46
(1,610)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	7	1.46
(1,610)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	7	1.46
(1,610)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	7	1.46
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG22	6	1.46
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG21	6	1.46
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG23	6	1.46
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	6	1.46
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB2	11	1.45
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB3	11	1.45
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB2	11	1.45
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB3	11	1.45
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB2	11	1.45
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB3	11	1.45
(1,633)	2:B:211:ALA:HB2	2:B:207:TYR:HD1	10	1.44
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HD1	10	1.44
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HE1	10	1.44
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HD1	10	1.44
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HE1	10	1.44
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	7	1.44
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	7	1.44
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	7	1.44
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	7	1.44
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	7	1.44
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	7	1.44
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	7	1.44
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	7	1.44
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD1	13	1.44
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD2	13	1.44
(1,610)	2:B:208:LEU:HD11	1:A:11:TYR:HD2	13	1.44
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD1	13	1.44
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD2	13	1.44
(1,610)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	13	1.44
(1,610)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	13	1.44
(1,610)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	13	1.44
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG22	9	1.44
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG21	9	1.44
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG23	9	1.44
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD1	14	1.43
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD2	14	1.43
(1,610)	2:B:208:LEU:HD11	1:A:11:TYR:HD2	14	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD1	14	1.43
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD2	14	1.43
(1,610)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	14	1.43
(1,610)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	14	1.43
(1,610)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	14	1.43
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	18	1.43
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	18	1.43
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	14	1.43
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	19	1.43
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	7	1.42
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	7	1.42
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	7	1.42
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	7	1.42
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	7	1.42
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	7	1.42
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	7	1.42
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	7	1.42
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	7	1.42
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	7	1.42
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	8	1.42
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	8	1.42
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	8	1.42
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	8	1.42
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	8	1.42
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD1	8	1.42
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD2	8	1.42
(1,610)	2:B:208:LEU:HD11	1:A:11:TYR:HD2	8	1.42
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD1	8	1.42
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD2	8	1.42
(1,610)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	8	1.42
(1,610)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	8	1.42
(1,610)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	8	1.42
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	4	1.41
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	4	1.41
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	4	1.41
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	4	1.41
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	4	1.41
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	14	1.41
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	14	1.41
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	14	1.41
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD1	5	1.39
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD2	5	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	2:B:208:LEU:HD11	1:A:11:TYR:HD2	5	1.39
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD1	5	1.39
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD2	5	1.39
(1,610)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	5	1.39
(1,610)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	5	1.39
(1,610)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	5	1.39
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	20	1.38
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	20	1.38
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	20	1.38
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	20	1.38
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	20	1.38
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	20	1.38
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	20	1.38
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	20	1.38
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	13	1.38
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	13	1.38
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	13	1.38
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	13	1.38
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	13	1.38
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	13	1.38
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	13	1.38
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	5	1.38
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	5	1.38
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	5	1.38
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	5	1.38
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	5	1.38
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	5	1.38
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	5	1.38
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	5	1.38
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	4	1.38
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	12	1.37
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	12	1.37
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	12	1.37
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	12	1.37
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	12	1.37
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	19	1.37
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	19	1.37
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	19	1.37
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	19	1.37
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	19	1.37
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	19	1.37
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	19	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	19	1.37
(1,633)	2:B:211:ALA:HB2	2:B:207:TYR:HD1	9	1.37
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HD1	9	1.37
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HE1	9	1.37
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HD1	9	1.37
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HE1	9	1.37
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	20	1.36
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	20	1.36
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	20	1.36
(1,633)	2:B:211:ALA:HB2	2:B:207:TYR:HD1	2	1.36
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HD1	2	1.36
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HE1	2	1.36
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HD1	2	1.36
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HE1	2	1.36
(1,621)	2:B:209:LEU:HD22	1:A:8:ALA:HA	4	1.36
(1,621)	2:B:209:LEU:HD21	1:A:8:ALA:HA	4	1.36
(1,621)	2:B:209:LEU:HD23	1:A:8:ALA:HA	4	1.36
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	7	1.35
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	7	1.35
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	7	1.35
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	7	1.35
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	7	1.35
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	7	1.35
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	10	1.35
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	10	1.35
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	10	1.35
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	10	1.35
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	10	1.35
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	10	1.35
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	10	1.35
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	5	1.35
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	5	1.35
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	5	1.35
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	5	1.35
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	5	1.35
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	13	1.35
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	13	1.35
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	13	1.35
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	13	1.35
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	13	1.35
(1,633)	2:B:211:ALA:HB2	2:B:207:TYR:HD1	17	1.35
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HD1	17	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	2:B:211:ALA:HB1	2:B:207:TYR:HE1	17	1.35
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HD1	17	1.35
(1,633)	2:B:211:ALA:HB3	2:B:207:TYR:HE1	17	1.35
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	6	1.35
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	6	1.35
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	6	1.35
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	6	1.35
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	6	1.35
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	7	1.34
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	7	1.34
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	7	1.34
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	7	1.34
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	7	1.34
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	5	1.34
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	5	1.34
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	5	1.34
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	5	1.34
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	5	1.34
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG22	17	1.34
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG21	17	1.34
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG23	17	1.34
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	9	1.34
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD22	16	1.33
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD21	16	1.33
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD23	16	1.33
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD22	16	1.33
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD21	16	1.33
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD23	16	1.33
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD22	16	1.33
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD21	16	1.33
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD23	16	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD22	16	1.33
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD21	16	1.33
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG23	19	1.33
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG22	19	1.33
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG21	19	1.33
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	8	1.33
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	3	1.32
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	3	1.32
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	3	1.32
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	3	1.32
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	3	1.32
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	3	1.32
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	10	1.32
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	10	1.32
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	10	1.32
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	10	1.32
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	10	1.32
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	10	1.32
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	10	1.32
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	10	1.32
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	10	1.32
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	10	1.32
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	4	1.32
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	4	1.32
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	4	1.32
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	4	1.32
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	4	1.32
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	5	1.32
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	5	1.32
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	5	1.32
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	5	1.32
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	5	1.32
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD22	1	1.31
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD21	1	1.31
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD23	1	1.31
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD22	1	1.31
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD21	1	1.31
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD23	1	1.31
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD22	1	1.31
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD21	1	1.31
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD23	1	1.31
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	14	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	14	1.31
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	14	1.31
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	14	1.31
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	14	1.31
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	14	1.31
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	14	1.31
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD1	10	1.31
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD2	10	1.31
(1,610)	2:B:208:LEU:HD11	1:A:11:TYR:HD2	10	1.31
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD1	10	1.31
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD2	10	1.31
(1,610)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	10	1.31
(1,610)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	10	1.31
(1,610)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	10	1.31
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	12	1.31
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG22	1	1.3
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG21	1	1.3
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG23	1	1.3
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	13	1.3
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	13	1.3
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	13	1.3
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	13	1.28
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	13	1.28
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	13	1.28
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	13	1.28
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	13	1.28
(1,734)	2:B:254:VAL:HG12	2:B:251:ILE:HA	3	1.27
(1,734)	2:B:254:VAL:HG11	2:B:251:ILE:HA	3	1.27
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD22	18	1.27
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD21	18	1.27
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD23	18	1.27
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD22	18	1.27
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD21	18	1.27
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD23	18	1.27
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD22	18	1.27
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD21	18	1.27
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD23	18	1.27
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	8	1.27
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	8	1.27
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	8	1.27
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	8	1.27
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	8	1.27
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	3	1.27
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	3	1.27
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	3	1.27
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	3	1.27
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	3	1.27
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	3	1.27
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	3	1.27
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	3	1.27
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD1	16	1.27
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD2	16	1.27
(1,610)	2:B:208:LEU:HD11	1:A:11:TYR:HD2	16	1.27
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD1	16	1.27
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD2	16	1.27
(1,610)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	16	1.27
(1,610)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	16	1.27
(1,610)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	16	1.27
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	19	1.26
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	19	1.26
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	19	1.26
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	19	1.26
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	19	1.26
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	9	1.25
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	9	1.25
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	9	1.25
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	9	1.25
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	9	1.25
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	9	1.25
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	9	1.25
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	9	1.25
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	9	1.25
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	9	1.25
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	20	1.25
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	20	1.25
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	20	1.25
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	20	1.25
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	20	1.25
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	20	1.25
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	20	1.25
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	20	1.25
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	20	1.25
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	20	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	18	1.25
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	18	1.25
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	18	1.25
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	18	1.25
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	18	1.25
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	18	1.25
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	18	1.25
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	18	1.25
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG22	5	1.25
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG21	5	1.25
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG23	5	1.25
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	5	1.24
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	5	1.24
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	5	1.24
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	5	1.24
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	5	1.24
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	5	1.24
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	5	1.24
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	5	1.24
(1,744)	2:B:262:LEU:HD12	2:B:204:VAL:HA	7	1.24
(1,744)	2:B:262:LEU:HD11	2:B:204:VAL:HA	7	1.24
(1,744)	2:B:262:LEU:HD13	2:B:204:VAL:HA	7	1.24
(1,744)	2:B:262:LEU:HD22	2:B:204:VAL:HA	7	1.24
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	4	1.24
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	4	1.24
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	4	1.24
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	4	1.24
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	4	1.24
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	4	1.24
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	4	1.24
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	4	1.24
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	4	1.24
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	4	1.24
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	4	1.24
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	4	1.24
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	4	1.24
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	4	1.24
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	4	1.24
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD12	8	1.24
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD11	8	1.24
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD13	8	1.24
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	7	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	2:B:262:LEU:HD13	1:A:11:TYR:HE1	16	1.23
(1,746)	2:B:262:LEU:HD13	1:A:11:TYR:HE2	16	1.23
(1,746)	2:B:262:LEU:HD22	1:A:11:TYR:HE1	16	1.23
(1,746)	2:B:262:LEU:HD22	1:A:11:TYR:HE2	16	1.23
(1,746)	2:B:262:LEU:HD21	1:A:11:TYR:HE1	16	1.23
(1,746)	2:B:262:LEU:HD21	1:A:11:TYR:HE2	16	1.23
(1,746)	2:B:262:LEU:HD23	1:A:11:TYR:HE2	16	1.23
(1,746)	2:B:262:LEU:HD12	1:A:11:TYR:HE2	16	1.23
(1,746)	2:B:262:LEU:HD11	1:A:11:TYR:HE2	16	1.23
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD22	11	1.23
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD21	11	1.23
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD23	11	1.23
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD22	11	1.23
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD21	11	1.23
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD23	11	1.23
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD22	11	1.23
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD21	11	1.23
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD23	11	1.23
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD22	11	1.23
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD23	11	1.23
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD22	11	1.23
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD21	11	1.23
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD23	11	1.23
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD22	11	1.23
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD21	11	1.23
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD23	11	1.23
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	8	1.23
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	8	1.23
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	8	1.23
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	7	1.22
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	7	1.22
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	7	1.22
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	9	1.22
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	9	1.22
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	6	1.22
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	6	1.22
(1,826)	1:A:37:VAL:HG22	2:B:212:LEU:HG	6	1.21
(1,826)	1:A:37:VAL:HG21	2:B:212:LEU:HG	6	1.21
(1,826)	1:A:37:VAL:HG23	2:B:212:LEU:HG	6	1.21
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD1	4	1.21
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD2	4	1.21
(1,610)	2:B:208:LEU:HD11	1:A:11:TYR:HD2	4	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD1	4	1.21
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD2	4	1.21
(1,610)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	4	1.21
(1,610)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	4	1.21
(1,610)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	4	1.21
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	4	1.21
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	7	1.21
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	7	1.21
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	7	1.21
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD21	6	1.2
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD23	6	1.2
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD22	6	1.2
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	17	1.19
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	17	1.19
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	17	1.19
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	17	1.19
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	17	1.19
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	17	1.19
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	17	1.19
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	17	1.19
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD22	16	1.19
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD21	16	1.19
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD23	16	1.19
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD22	16	1.19
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD21	16	1.19
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD23	16	1.19
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD22	16	1.19
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD21	16	1.19
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD23	16	1.19
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD22	16	1.19
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD23	16	1.19
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD22	16	1.19
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD21	16	1.19
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD23	16	1.19
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD22	16	1.19
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD21	16	1.19
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD23	16	1.19
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	10	1.19
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	7	1.18
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	7	1.18
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	7	1.18
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	7	1.18
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	7	1.18
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	7	1.18
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	7	1.18
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	7	1.18
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	7	1.18
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	7	1.18
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	7	1.18
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	7	1.18
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	7	1.18
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	7	1.18
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	19	1.18
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	19	1.18
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	19	1.18
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	12	1.18
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	12	1.18
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	12	1.18
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	12	1.18
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	12	1.18
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	12	1.18
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	18	1.17
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	18	1.17
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	18	1.17
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	18	1.17
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	18	1.17
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	18	1.17
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	18	1.17
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	18	1.17
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	18	1.17
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	7	1.17
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	7	1.17
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	7	1.17
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	9	1.17
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	9	1.17
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	9	1.17
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	9	1.17
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	4	1.17
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	4	1.17
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	4	1.17
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	18	1.16
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	18	1.16
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	18	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	18	1.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	18	1.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	18	1.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	18	1.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	18	1.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	18	1.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	18	1.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	18	1.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	18	1.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	18	1.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	18	1.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	18	1.16
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	10	1.16
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	10	1.16
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	10	1.16
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	3	1.16
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	3	1.16
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	3	1.16
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	3	1.16
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	3	1.16
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	3	1.16
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	3	1.16
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	3	1.16
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	14	1.16
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	14	1.16
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	14	1.16
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	14	1.16
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	18	1.16
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	1	1.14
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	1	1.14
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	1	1.14
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	1	1.14
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	1	1.14
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	1	1.14
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	1	1.14
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	1	1.14
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	1	1.14
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	17	1.14
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	17	1.14
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	17	1.14
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	17	1.14
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	17	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	17	1.14
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	13	1.14
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	13	1.14
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	13	1.14
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG22	12	1.14
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG21	12	1.14
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG23	12	1.14
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	2	1.13
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	2	1.13
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	2	1.13
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	2	1.13
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	2	1.13
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	15	1.13
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	19	1.12
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	19	1.12
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	19	1.12
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD12	1	1.12
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD11	1	1.12
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD13	1	1.12
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD21	1	1.12
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD12	1	1.12
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD11	1	1.12
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD13	1	1.12
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD21	1	1.12
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD12	1	1.12
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD11	1	1.12
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD13	1	1.12
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD22	1	1.12
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD21	1	1.12
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD23	1	1.12
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	14	1.12
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HE1	14	1.12
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	14	1.12
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HE1	14	1.12
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	14	1.12
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HE1	14	1.12
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	14	1.12
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD2	14	1.12
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HE1	14	1.12
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	14	1.12
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	14	1.12
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HE1	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	14	1.12
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	14	1.12
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE1	14	1.12
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE2	14	1.12
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	5	1.12
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	5	1.12
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	11	1.11
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	11	1.11
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	11	1.11
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	11	1.11
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	11	1.11
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	11	1.11
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	11	1.11
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	11	1.11
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	11	1.11
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	11	1.11
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	11	1.11
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	11	1.11
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	11	1.11
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	11	1.11
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	11	1.11
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	14	1.11
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	14	1.11
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	14	1.11
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	14	1.11
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	14	1.11
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	14	1.11
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	14	1.11
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	14	1.11
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	14	1.11
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	14	1.11
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	14	1.11
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	14	1.11
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	14	1.11
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	14	1.11
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	14	1.11
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	14	1.11
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	14	1.11
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	14	1.11
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	14	1.11
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	14	1.11
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	14	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	6	1.11
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HE1	6	1.11
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	6	1.11
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HE1	6	1.11
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	6	1.11
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HE1	6	1.11
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	6	1.11
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD2	6	1.11
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HE1	6	1.11
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	6	1.11
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	6	1.11
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HE1	6	1.11
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	6	1.11
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	6	1.11
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE1	6	1.11
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE2	6	1.11
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	10	1.11
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	10	1.11
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	10	1.11
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	10	1.11
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	10	1.11
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	10	1.11
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	10	1.11
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	10	1.11
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	10	1.11
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA2	12	1.11
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA3	12	1.11
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA2	12	1.11
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA3	12	1.11
(1,494)	1:A:37:VAL:HG23	2:B:213:GLY:HA3	12	1.11
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	8	1.11
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	8	1.11
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	20	1.1
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	20	1.1
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	20	1.1
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	20	1.1
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	20	1.1
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	20	1.1
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	11	1.1
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	11	1.1
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	12	1.09
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	12	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	12	1.09
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	12	1.09
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	12	1.09
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	12	1.09
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	12	1.09
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	12	1.09
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG12	6	1.09
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG13	6	1.09
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG12	6	1.09
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG13	6	1.09
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG12	6	1.09
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG13	6	1.09
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	14	1.09
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	14	1.09
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	14	1.09
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	14	1.09
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	14	1.09
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	6	1.09
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	16	1.08
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	16	1.08
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	16	1.08
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	16	1.08
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	16	1.08
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	16	1.08
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	2	1.07
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	2	1.07
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	2	1.07
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	2	1.07
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	2	1.07
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	9	1.06
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	9	1.06
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	9	1.06
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	9	1.06
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	9	1.06
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	9	1.06
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	9	1.06
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA2	6	1.06
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA3	6	1.06
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA2	6	1.06
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA3	6	1.06
(1,494)	1:A:37:VAL:HG23	2:B:213:GLY:HA3	6	1.06
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	10	1.06
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	10	1.06
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	10	1.06
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	10	1.06
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	10	1.06
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	10	1.06
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	10	1.06
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	10	1.06
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	10	1.06
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	10	1.06
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	10	1.06
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	10	1.06
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	10	1.06
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	10	1.06
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	10	1.06
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	2	1.05
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	2	1.05
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	2	1.05
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	2	1.05
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	2	1.05
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	2	1.05
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	2	1.05
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	2	1.05
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	4	1.05
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	4	1.05
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	4	1.05
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	4	1.05
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	4	1.05
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	4	1.05
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	4	1.05
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	4	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	16	1.05
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	16	1.05
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	16	1.05
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	16	1.05
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	16	1.05
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	16	1.05
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	16	1.05
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	16	1.05
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	16	1.05
(1,744)	2:B:262:LEU:HD12	2:B:204:VAL:HA	16	1.05
(1,744)	2:B:262:LEU:HD11	2:B:204:VAL:HA	16	1.05
(1,744)	2:B:262:LEU:HD13	2:B:204:VAL:HA	16	1.05
(1,744)	2:B:262:LEU:HD22	2:B:204:VAL:HA	16	1.05
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD1	18	1.05
(1,610)	2:B:208:LEU:HD12	1:A:11:TYR:HD2	18	1.05
(1,610)	2:B:208:LEU:HD11	1:A:11:TYR:HD2	18	1.05
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD1	18	1.05
(1,610)	2:B:208:LEU:HD13	1:A:11:TYR:HD2	18	1.05
(1,610)	2:B:208:LEU:HD22	2:B:207:TYR:HD1	18	1.05
(1,610)	2:B:208:LEU:HD21	2:B:207:TYR:HD1	18	1.05
(1,610)	2:B:208:LEU:HD23	2:B:207:TYR:HD1	18	1.05
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	16	1.04
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	16	1.04
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	16	1.04
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	8	1.04
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	17	1.03
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	17	1.03
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	17	1.03
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	17	1.03
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	17	1.03
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	17	1.03
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	3	1.03
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	3	1.03
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	3	1.03
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	6	1.03
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	6	1.03
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	6	1.03
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	11	1.03
(1,850)	2:B:212:LEU:HD12	1:A:4:VAL:HA	11	1.02
(1,850)	2:B:212:LEU:HD11	1:A:4:VAL:HA	11	1.02
(1,850)	2:B:212:LEU:HD13	1:A:4:VAL:HA	11	1.02
(1,850)	2:B:212:LEU:HD21	1:A:4:VAL:HA	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	10	1.02
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	10	1.02
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	10	1.02
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	10	1.02
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	10	1.02
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	10	1.02
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	10	1.02
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	10	1.02
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	10	1.02
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	18	1.02
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	18	1.02
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	18	1.02
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	1	1.02
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	1	1.02
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	1	1.02
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	1	1.02
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	19	1.02
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	19	1.02
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	19	1.02
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	19	1.02
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD21	19	1.01
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD23	19	1.01
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD22	19	1.01
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG22	20	1.01
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG21	20	1.01
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG23	20	1.01
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	15	1.0
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	15	1.0
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	15	1.0
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	15	1.0
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	15	1.0
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	15	1.0
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	15	1.0
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	15	1.0
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	15	1.0
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	15	1.0
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	15	1.0
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	15	1.0
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	15	1.0
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	15	1.0
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	15	1.0
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD12	2	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD11	2	1.0
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD13	2	1.0
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG22	4	1.0
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG21	4	1.0
(1,1177)	2:B:270:ALA:H	2:B:271:VAL:HG23	4	1.0
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	5	0.99
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	5	0.99
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	5	0.99
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	5	0.99
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	5	0.99
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	5	0.99
(1,681)	2:B:234:ALA:HB2	2:B:203:TYR:HE2	6	0.99
(1,681)	2:B:234:ALA:HB1	2:B:203:TYR:HE2	6	0.99
(1,681)	2:B:234:ALA:HB3	2:B:203:TYR:HE2	6	0.99
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	18	0.98
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	18	0.98
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	18	0.98
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	18	0.98
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	18	0.98
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	18	0.98
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	18	0.98
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	18	0.98
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD12	15	0.98
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD11	15	0.98
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD13	15	0.98
(1,711)	2:B:243:ILE:HG22	2:B:246:LEU:HD12	2	0.98
(1,711)	2:B:243:ILE:HG22	2:B:246:LEU:HD11	2	0.98
(1,711)	2:B:243:ILE:HG22	2:B:246:LEU:HD13	2	0.98
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD12	2	0.98
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD11	2	0.98
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD13	2	0.98
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD22	2	0.98
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD21	2	0.98
(1,711)	2:B:243:ILE:HG23	2:B:246:LEU:HD12	2	0.98
(1,711)	2:B:243:ILE:HG23	2:B:246:LEU:HD11	2	0.98
(1,711)	2:B:243:ILE:HG23	2:B:246:LEU:HD13	2	0.98
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	3	0.98
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	3	0.98
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	3	0.98
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	3	0.98
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	3	0.98
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	3	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:A:31:LEU:HD12	1:A:28:ILE:HA	17	0.98
(1,474)	1:A:31:LEU:HD11	1:A:28:ILE:HA	17	0.98
(1,474)	1:A:31:LEU:HD13	1:A:28:ILE:HA	17	0.98
(1,474)	1:A:31:LEU:HD22	2:B:226:ILE:HA	17	0.98
(1,474)	1:A:31:LEU:HD21	2:B:226:ILE:HA	17	0.98
(1,474)	1:A:31:LEU:HD23	2:B:226:ILE:HA	17	0.98
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	5	0.97
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	5	0.97
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	5	0.97
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	5	0.97
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	5	0.97
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	5	0.97
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	5	0.97
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	5	0.97
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	5	0.97
(1,648)	2:B:223:ILE:HG22	2:B:203:TYR:HD2	12	0.97
(1,648)	2:B:223:ILE:HG21	2:B:203:TYR:HD2	12	0.97
(1,648)	2:B:223:ILE:HG23	2:B:203:TYR:HD2	12	0.97
(1,711)	2:B:243:ILE:HG22	2:B:246:LEU:HD12	15	0.96
(1,711)	2:B:243:ILE:HG22	2:B:246:LEU:HD11	15	0.96
(1,711)	2:B:243:ILE:HG22	2:B:246:LEU:HD13	15	0.96
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD12	15	0.96
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD11	15	0.96
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD13	15	0.96
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD22	15	0.96
(1,711)	2:B:243:ILE:HG21	2:B:246:LEU:HD21	15	0.96
(1,711)	2:B:243:ILE:HG23	2:B:246:LEU:HD12	15	0.96
(1,711)	2:B:243:ILE:HG23	2:B:246:LEU:HD11	15	0.96
(1,711)	2:B:243:ILE:HG23	2:B:246:LEU:HD13	15	0.96
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	19	0.96
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	19	0.96
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	19	0.96
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	19	0.96
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	19	0.96
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	19	0.96
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	8	0.96
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	8	0.96
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	8	0.96
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	8	0.96
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	8	0.96
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	20	0.96
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	9	0.95
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	9	0.95
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	9	0.95
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD22	10	0.95
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD21	10	0.95
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD23	10	0.95
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD22	10	0.95
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD21	10	0.95
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD23	10	0.95
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD22	10	0.95
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD21	10	0.95
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD23	10	0.95
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD22	10	0.95
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD23	10	0.95
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD22	10	0.95
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD21	10	0.95
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD23	10	0.95
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD22	10	0.95
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD21	10	0.95
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD23	10	0.95
(1,474)	1:A:31:LEU:HD12	1:A:28:ILE:HA	4	0.95
(1,474)	1:A:31:LEU:HD11	1:A:28:ILE:HA	4	0.95
(1,474)	1:A:31:LEU:HD13	1:A:28:ILE:HA	4	0.95
(1,474)	1:A:31:LEU:HD22	2:B:226:ILE:HA	4	0.95
(1,474)	1:A:31:LEU:HD21	2:B:226:ILE:HA	4	0.95
(1,474)	1:A:31:LEU:HD23	2:B:226:ILE:HA	4	0.95
(1,474)	1:A:31:LEU:HD12	1:A:28:ILE:HA	7	0.95
(1,474)	1:A:31:LEU:HD11	1:A:28:ILE:HA	7	0.95
(1,474)	1:A:31:LEU:HD13	1:A:28:ILE:HA	7	0.95
(1,474)	1:A:31:LEU:HD22	2:B:226:ILE:HA	7	0.95
(1,474)	1:A:31:LEU:HD21	2:B:226:ILE:HA	7	0.95
(1,474)	1:A:31:LEU:HD23	2:B:226:ILE:HA	7	0.95
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	13	0.94
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	13	0.94
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	13	0.94
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	13	0.94
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	13	0.94
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	13	0.94
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	13	0.94
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	13	0.94
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	13	0.94
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	8	0.94
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	8	0.94
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	8	0.94
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	8	0.94
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	8	0.94
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	8	0.94
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	8	0.94
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB2	1	0.93
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	1	0.93
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB2	1	0.93
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	1	0.93
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB2	1	0.93
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	1	0.93
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD12	5	0.93
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD11	5	0.93
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD13	5	0.93
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD21	5	0.93
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD23	5	0.93
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD12	5	0.93
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD11	5	0.93
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD13	5	0.93
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD21	5	0.93
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD23	5	0.93
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD12	5	0.93
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD11	5	0.93
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD13	5	0.93
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD21	5	0.93
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD23	5	0.93
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD22	15	0.93
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD21	15	0.93
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD23	15	0.93
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD22	15	0.93
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD21	15	0.93
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD23	15	0.93
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD22	15	0.93
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD21	15	0.93
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD23	15	0.93
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	18	0.93
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	18	0.93
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	18	0.93
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	18	0.93
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	18	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	18	0.93
(1,491)	1:A:37:VAL:HG13	1:A:4:VAL:HB	10	0.93
(1,491)	1:A:37:VAL:HG22	1:A:4:VAL:HB	10	0.93
(1,491)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	10	0.93
(1,491)	1:A:37:VAL:HG21	1:A:4:VAL:HB	10	0.93
(1,491)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	10	0.93
(1,491)	1:A:37:VAL:HG23	1:A:4:VAL:HB	10	0.93
(1,491)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	10	0.93
(1,491)	1:A:37:VAL:HG12	1:A:4:VAL:HB	10	0.93
(1,491)	1:A:37:VAL:HG11	1:A:4:VAL:HB	10	0.93
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB2	18	0.92
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	18	0.92
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB2	18	0.92
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	18	0.92
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB2	18	0.92
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	18	0.92
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	1	0.92
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	1	0.92
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	1	0.92
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	1	0.92
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	1	0.92
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	1	0.92
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	13	0.92
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	13	0.92
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	13	0.92
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	13	0.92
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	13	0.92
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	13	0.92
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA2	15	0.92
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA3	15	0.92
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA2	15	0.92
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA3	15	0.92
(1,494)	1:A:37:VAL:HG23	2:B:213:GLY:HA3	15	0.92
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	15	0.92
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	15	0.92
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	15	0.92
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	15	0.92
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	3	0.92
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	5	0.92
(1,795)	1:A:4:VAL:HG13	2:B:212:LEU:HG	1	0.91
(1,795)	1:A:4:VAL:HG12	2:B:212:LEU:HG	1	0.91
(1,795)	1:A:4:VAL:HG11	2:B:212:LEU:HG	1	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB2	4	0.91
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB3	4	0.91
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB2	4	0.91
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB3	4	0.91
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB2	4	0.91
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB3	4	0.91
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	5	0.91
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	5	0.91
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	5	0.91
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	5	0.91
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	5	0.91
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	5	0.91
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	15	0.91
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	15	0.91
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	15	0.91
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	15	0.91
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	15	0.91
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	15	0.91
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	16	0.91
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	16	0.91
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	16	0.91
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	16	0.91
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	16	0.91
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	15	0.91
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	15	0.91
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	15	0.91
(1,838)	2:B:201:MET:HE1	1:A:14:LEU:HB2	20	0.9
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB2	20	0.9
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB3	20	0.9
(1,838)	2:B:201:MET:HE2	1:A:14:LEU:HB2	20	0.9
(1,497)	1:A:39:VAL:HG22	1:A:40:GLU:HG3	15	0.9
(1,497)	1:A:39:VAL:HG21	1:A:40:GLU:HG3	15	0.9
(1,497)	1:A:39:VAL:HG23	1:A:40:GLU:HG3	15	0.9
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG2	15	0.9
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG3	15	0.9
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG2	15	0.9
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG3	15	0.9
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG2	15	0.9
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG3	15	0.9
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	10	0.89
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	10	0.89
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	16	0.89
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	16	0.89
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	16	0.89
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	16	0.89
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	16	0.89
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	16	0.89
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	16	0.89
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	16	0.89
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	16	0.89
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	4	0.89
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	4	0.89
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	4	0.89
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	4	0.89
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	4	0.89
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	4	0.89
(1,474)	1:A:31:LEU:HD12	1:A:28:ILE:HA	19	0.89
(1,474)	1:A:31:LEU:HD11	1:A:28:ILE:HA	19	0.89
(1,474)	1:A:31:LEU:HD13	1:A:28:ILE:HA	19	0.89
(1,474)	1:A:31:LEU:HD22	2:B:226:ILE:HA	19	0.89
(1,474)	1:A:31:LEU:HD21	2:B:226:ILE:HA	19	0.89
(1,474)	1:A:31:LEU:HD23	2:B:226:ILE:HA	19	0.89
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	1	0.89
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	1	0.89
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	1	0.89
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	1	0.89
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	1	0.89
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	1	0.89
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	1	0.89
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	1	0.89
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	1	0.89
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	1	0.89
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	1	0.89
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	1	0.89
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	1	0.89
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	1	0.89
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	1	0.89
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD21	4	0.88
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD23	4	0.88
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD22	4	0.88
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB2	12	0.88
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	12	0.88
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB2	12	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	12	0.88
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB2	12	0.88
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	12	0.88
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	11	0.88
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	11	0.88
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	11	0.88
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	8	0.88
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	8	0.88
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	8	0.88
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	8	0.88
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	8	0.88
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	8	0.88
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	8	0.88
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	8	0.88
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	8	0.88
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	9	0.88
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	9	0.88
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	9	0.88
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	9	0.88
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	9	0.88
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	9	0.88
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	9	0.88
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	9	0.88
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	9	0.88
(1,734)	2:B:254:VAL:HG12	2:B:251:ILE:HA	20	0.88
(1,734)	2:B:254:VAL:HG11	2:B:251:ILE:HA	20	0.88
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	17	0.88
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	17	0.88
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	17	0.88
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	17	0.88
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	17	0.88
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD22	2	0.88
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD21	2	0.88
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD23	2	0.88
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD22	2	0.88
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD21	2	0.88
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD23	2	0.88
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD22	2	0.88
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD21	2	0.88
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD23	2	0.88
(1,491)	1:A:37:VAL:HG13	1:A:4:VAL:HB	15	0.88
(1,491)	1:A:37:VAL:HG22	1:A:4:VAL:HB	15	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	15	0.88
(1,491)	1:A:37:VAL:HG21	1:A:4:VAL:HB	15	0.88
(1,491)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	15	0.88
(1,491)	1:A:37:VAL:HG23	1:A:4:VAL:HB	15	0.88
(1,491)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	15	0.88
(1,491)	1:A:37:VAL:HG12	1:A:4:VAL:HB	15	0.88
(1,491)	1:A:37:VAL:HG11	1:A:4:VAL:HB	15	0.88
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	7	0.88
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	7	0.88
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	7	0.88
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	7	0.88
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	7	0.88
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	7	0.88
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	7	0.88
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	7	0.88
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	7	0.88
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	7	0.88
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	7	0.88
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	7	0.88
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	7	0.88
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	7	0.88
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	12	0.87
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	12	0.87
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	12	0.87
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	12	0.87
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	12	0.87
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	12	0.87
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	12	0.87
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	12	0.87
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	12	0.87
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	5	0.87
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	5	0.87
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	5	0.87
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	5	0.87
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	5	0.87
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	5	0.87
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	5	0.87
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	13	0.87
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	13	0.87
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	13	0.87
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	13	0.87
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	13	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	13	0.87
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	6	0.87
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	6	0.87
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	2	0.86
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	2	0.86
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG12	2	0.86
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG13	2	0.86
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	2	0.86
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB3	2	0.86
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	2	0.86
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	2	0.86
(1,797)	1:A:7:LEU:HD13	2:B:255:ILE:HG13	2	0.86
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD12	4	0.86
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD11	4	0.86
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD13	4	0.86
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD21	4	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD12	4	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD11	4	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD13	4	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD21	4	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD12	4	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD11	4	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD13	4	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD22	4	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD21	4	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD23	4	0.86
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD12	10	0.86
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD11	10	0.86
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD13	10	0.86
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD21	10	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD12	10	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD11	10	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD13	10	0.86
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD21	10	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD12	10	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD11	10	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD13	10	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD22	10	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD21	10	0.86
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD23	10	0.86
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	14	0.86
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	14	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	14	0.86
(1,497)	1:A:39:VAL:HG22	1:A:40:GLU:HG3	2	0.86
(1,497)	1:A:39:VAL:HG21	1:A:40:GLU:HG3	2	0.86
(1,497)	1:A:39:VAL:HG23	1:A:40:GLU:HG3	2	0.86
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG2	2	0.86
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG3	2	0.86
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG2	2	0.86
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG3	2	0.86
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG2	2	0.86
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG3	2	0.86
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	10	0.86
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD22	18	0.85
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD21	18	0.85
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD23	18	0.85
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD22	18	0.85
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD21	18	0.85
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD23	18	0.85
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD22	18	0.85
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD21	18	0.85
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD23	18	0.85
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD22	18	0.85
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD23	18	0.85
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD22	18	0.85
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD21	18	0.85
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD23	18	0.85
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD22	18	0.85
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD21	18	0.85
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD23	18	0.85
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	7	0.85
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	7	0.85
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	7	0.85
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	7	0.85
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	7	0.85
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	7	0.85
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	9	0.85
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	9	0.85
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	9	0.85
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	9	0.85
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	9	0.85
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	9	0.85
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	9	0.85
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	9	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	9	0.85
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	9	0.85
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	9	0.85
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	9	0.85
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	9	0.85
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	9	0.85
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	12	0.85
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD21	8	0.84
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD23	8	0.84
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD22	8	0.84
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	8	0.84
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	8	0.84
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG12	8	0.84
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG13	8	0.84
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	8	0.84
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB3	8	0.84
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	8	0.84
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	8	0.84
(1,797)	1:A:7:LEU:HD13	2:B:255:ILE:HG13	8	0.84
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	20	0.84
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	20	0.84
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	20	0.84
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	11	0.84
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	11	0.84
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	11	0.84
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	11	0.84
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	11	0.84
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	11	0.84
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	16	0.84
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	16	0.84
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	16	0.84
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	16	0.84
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	16	0.84
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	4	0.84
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	4	0.84
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	4	0.84
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	4	0.84
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	4	0.84
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	4	0.84
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	4	0.84
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	17	0.84
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	17	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	17	0.84
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	17	0.84
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB2	19	0.84
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB3	19	0.84
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HG3	19	0.84
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	1	0.83
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	1	0.83
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	1	0.83
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	20	0.83
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	20	0.83
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	20	0.83
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	2	0.83
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	2	0.83
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	2	0.83
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	3	0.83
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	3	0.83
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	3	0.83
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB2	13	0.83
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB3	13	0.83
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HG3	13	0.83
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	15	0.82
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	15	0.82
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	15	0.82
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	15	0.82
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	15	0.82
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	15	0.82
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	15	0.82
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	15	0.82
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	5	0.82
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	5	0.82
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	5	0.82
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD12	10	0.81
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD11	10	0.81
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD13	10	0.81
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD21	10	0.81
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD23	10	0.81
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD12	10	0.81
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD11	10	0.81
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD13	10	0.81
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD21	10	0.81
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD23	10	0.81
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD12	10	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD11	10	0.81
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD13	10	0.81
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD21	10	0.81
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD23	10	0.81
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD12	15	0.81
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD11	15	0.81
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD13	15	0.81
(1,792)	1:A:4:VAL:HG12	2:B:212:LEU:HD21	15	0.81
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD12	15	0.81
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD11	15	0.81
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD13	15	0.81
(1,792)	1:A:4:VAL:HG11	2:B:212:LEU:HD21	15	0.81
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD12	15	0.81
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD11	15	0.81
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD13	15	0.81
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD22	15	0.81
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD21	15	0.81
(1,792)	1:A:4:VAL:HG13	2:B:212:LEU:HD23	15	0.81
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	19	0.81
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	19	0.81
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	19	0.81
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	19	0.81
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	19	0.81
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	19	0.81
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	19	0.81
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	19	0.81
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD22	8	0.8
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD21	8	0.8
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD23	8	0.8
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD22	8	0.8
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD21	8	0.8
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD23	8	0.8
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD22	8	0.8
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD21	8	0.8
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD23	8	0.8
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD22	8	0.8
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD21	8	0.8
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	7	0.8
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	7	0.8
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	7	0.8
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	7	0.8
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	7	0.8
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	7	0.8
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	7	0.8
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	7	0.8
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	7	0.8
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	7	0.8
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	7	0.8
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	7	0.8
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	7	0.8
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	7	0.8
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	7	0.8
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	12	0.8
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	12	0.8
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	12	0.8
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	12	0.8
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	12	0.8
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	12	0.8
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	10	0.8
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	10	0.8
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	10	0.8
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	12	0.8
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	12	0.8
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	12	0.8
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	12	0.8
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD22	13	0.79
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD21	13	0.79
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD23	13	0.79
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD12	13	0.79
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD11	13	0.79
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD13	13	0.79
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD22	13	0.79
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD21	13	0.79
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD23	13	0.79
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD12	13	0.79
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD11	13	0.79
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD13	13	0.79
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD22	13	0.79
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD21	13	0.79
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD23	13	0.79
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD12	13	0.79
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD11	13	0.79
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD13	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD12	11	0.79
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD11	11	0.79
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD13	11	0.79
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD21	11	0.79
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD23	11	0.79
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD12	11	0.79
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD11	11	0.79
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD13	11	0.79
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD21	11	0.79
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD23	11	0.79
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD12	11	0.79
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD11	11	0.79
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD13	11	0.79
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD21	11	0.79
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD23	11	0.79
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB2	10	0.79
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB3	10	0.79
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB2	10	0.79
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB3	10	0.79
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB2	10	0.79
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB3	10	0.79
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD22	14	0.79
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD21	14	0.79
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD23	14	0.79
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD22	14	0.79
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD21	14	0.79
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD23	14	0.79
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD22	14	0.79
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD21	14	0.79
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD23	14	0.79
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD22	14	0.79
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD21	14	0.79
(1,523)	1:A:51:LEU:HD12	1:A:47:PHE:HA	8	0.79
(1,523)	1:A:51:LEU:HD11	1:A:47:PHE:HA	8	0.79
(1,523)	1:A:51:LEU:HD13	1:A:47:PHE:HA	8	0.79
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	19	0.79
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	19	0.79
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	19	0.79
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	19	0.79
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	19	0.79
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	19	0.79
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	19	0.79
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	19	0.79
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	19	0.79
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	19	0.79
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	19	0.79
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	19	0.79
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	19	0.79
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD12	16	0.79
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD11	16	0.79
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD13	16	0.79
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	7	0.79
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	3	0.78
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	3	0.78
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG12	3	0.78
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG13	3	0.78
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	3	0.78
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB3	3	0.78
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	3	0.78
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	3	0.78
(1,797)	1:A:7:LEU:HD13	2:B:255:ILE:HG13	3	0.78
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG22	1	0.78
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG21	1	0.78
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG23	1	0.78
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	2	0.78
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	3	0.77
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	3	0.77
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	3	0.77
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	3	0.77
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	4	0.77
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	4	0.77
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	4	0.77
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	12	0.77
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	12	0.77
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	12	0.77
(1,746)	2:B:262:LEU:HD13	1:A:11:TYR:HE1	4	0.77
(1,746)	2:B:262:LEU:HD13	1:A:11:TYR:HE2	4	0.77
(1,746)	2:B:262:LEU:HD22	1:A:11:TYR:HE1	4	0.77
(1,746)	2:B:262:LEU:HD22	1:A:11:TYR:HE2	4	0.77
(1,746)	2:B:262:LEU:HD21	1:A:11:TYR:HE1	4	0.77
(1,746)	2:B:262:LEU:HD21	1:A:11:TYR:HE2	4	0.77
(1,746)	2:B:262:LEU:HD23	1:A:11:TYR:HE2	4	0.77
(1,746)	2:B:262:LEU:HD12	1:A:11:TYR:HE2	4	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	2:B:262:LEU:HD11	1:A:11:TYR:HE2	4	0.77
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG12	8	0.77
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG13	8	0.77
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG12	8	0.77
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG13	8	0.77
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG12	8	0.77
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG13	8	0.77
(1,474)	1:A:31:LEU:HD12	1:A:28:ILE:HA	8	0.77
(1,474)	1:A:31:LEU:HD11	1:A:28:ILE:HA	8	0.77
(1,474)	1:A:31:LEU:HD13	1:A:28:ILE:HA	8	0.77
(1,474)	1:A:31:LEU:HD22	2:B:226:ILE:HA	8	0.77
(1,474)	1:A:31:LEU:HD21	2:B:226:ILE:HA	8	0.77
(1,474)	1:A:31:LEU:HD23	2:B:226:ILE:HA	8	0.77
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	17	0.77
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	17	0.77
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	17	0.77
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	17	0.77
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	17	0.77
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	10	0.77
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	10	0.77
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	14	0.77
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	14	0.77
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	15	0.76
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	15	0.76
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	15	0.76
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	15	0.76
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	15	0.76
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	15	0.76
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	15	0.76
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	3	0.76
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	3	0.76
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	3	0.76
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	3	0.76
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	3	0.76
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	3	0.76
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	7	0.76
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	7	0.76
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	7	0.76
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	7	0.76
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	7	0.76
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	7	0.76
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	5	0.76
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	5	0.76
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA2	10	0.76
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA3	10	0.76
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA2	10	0.76
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA3	10	0.76
(1,494)	1:A:37:VAL:HG23	2:B:213:GLY:HA3	10	0.76
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	19	0.76
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	19	0.76
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	19	0.76
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	19	0.76
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	19	0.76
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	19	0.76
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	19	0.76
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	19	0.76
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	19	0.76
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	19	0.76
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	19	0.76
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	19	0.76
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	10	0.75
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	10	0.75
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	10	0.75
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	10	0.75
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	10	0.75
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	10	0.75
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	10	0.75
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	10	0.75
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	12	0.75
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	12	0.75
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	12	0.75
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	12	0.75
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	12	0.75
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	12	0.75
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	12	0.75
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	12	0.75
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	7	0.75
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	7	0.75
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	7	0.75
(1,417)	1:A:13:ALA:HB2	1:A:51:LEU:HD11	13	0.75
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD12	13	0.75
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD13	13	0.75
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD21	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD22	13	0.75
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD23	13	0.75
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	11	0.75
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	11	0.75
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	11	0.75
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	11	0.75
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	11	0.75
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD12	18	0.74
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD11	18	0.74
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD13	18	0.74
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD21	18	0.74
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD23	18	0.74
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD12	18	0.74
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD11	18	0.74
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD13	18	0.74
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD21	18	0.74
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD23	18	0.74
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD12	18	0.74
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD11	18	0.74
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD13	18	0.74
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD21	18	0.74
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD23	18	0.74
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	3	0.74
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	3	0.74
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	3	0.74
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	3	0.74
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	3	0.74
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	3	0.74
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	3	0.74
(1,807)	1:A:15:ILE:HG22	2:B:232:ILE:HB	10	0.73
(1,807)	1:A:15:ILE:HG21	2:B:209:LEU:HG	10	0.73
(1,807)	1:A:15:ILE:HG21	2:B:232:ILE:HB	10	0.73
(1,807)	1:A:15:ILE:HG23	2:B:232:ILE:HB	10	0.73
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	16	0.73
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	16	0.73
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	16	0.73
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	16	0.73
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	16	0.73
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	16	0.73
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD12	11	0.73
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD11	11	0.73
(1,691)	2:B:242:VAL:HG12	2:B:246:LEU:HD13	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD12	11	0.73
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD11	11	0.73
(1,691)	2:B:242:VAL:HG11	2:B:246:LEU:HD13	11	0.73
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD12	11	0.73
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD11	11	0.73
(1,691)	2:B:242:VAL:HG13	2:B:246:LEU:HD13	11	0.73
(1,691)	2:B:242:VAL:HG23	2:B:246:LEU:HD12	11	0.73
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	11	0.73
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HE1	11	0.73
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	11	0.73
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HE1	11	0.73
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	11	0.73
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HE1	11	0.73
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	11	0.73
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD2	11	0.73
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HE1	11	0.73
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	11	0.73
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	11	0.73
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HE1	11	0.73
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	11	0.73
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	11	0.73
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE1	11	0.73
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE2	11	0.73
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	17	0.73
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	17	0.73
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	17	0.73
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	7	0.73
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	7	0.73
(1,414)	1:A:10:ILE:HG22	1:A:11:TYR:HD2	17	0.73
(1,414)	1:A:10:ILE:HG21	1:A:11:TYR:HD1	17	0.73
(1,414)	1:A:10:ILE:HG21	1:A:11:TYR:HD2	17	0.73
(1,414)	1:A:10:ILE:HG23	1:A:11:TYR:HD1	17	0.73
(1,414)	1:A:10:ILE:HG23	1:A:11:TYR:HD2	17	0.73
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	7	0.72
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	7	0.72
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	7	0.72
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	7	0.72
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	7	0.72
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	7	0.72
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	7	0.72
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	9	0.72
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	9	0.72
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	9	0.72
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	9	0.72
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	9	0.72
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	9	0.72
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	6	0.72
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	6	0.72
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	6	0.72
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	6	0.72
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	6	0.72
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	6	0.72
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	6	0.72
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	6	0.72
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	6	0.72
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	15	0.72
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	15	0.72
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	15	0.72
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	15	0.72
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	15	0.72
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	15	0.72
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	15	0.72
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	15	0.72
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	15	0.72
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	4	0.72
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	4	0.72
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD22	8	0.71
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD21	8	0.71
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD23	8	0.71
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD12	8	0.71
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD11	8	0.71
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD13	8	0.71
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD22	8	0.71
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD21	8	0.71
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD23	8	0.71
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD12	8	0.71
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD11	8	0.71
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD13	8	0.71
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD22	8	0.71
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD21	8	0.71
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD23	8	0.71
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD12	8	0.71
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD11	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD13	8	0.71
(1,826)	1:A:37:VAL:HG22	2:B:212:LEU:HG	12	0.71
(1,826)	1:A:37:VAL:HG21	2:B:212:LEU:HG	12	0.71
(1,826)	1:A:37:VAL:HG23	2:B:212:LEU:HG	12	0.71
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD22	1	0.71
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD21	1	0.71
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD23	1	0.71
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD22	1	0.71
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD21	1	0.71
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD23	1	0.71
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD22	1	0.71
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD21	1	0.71
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD23	1	0.71
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD22	1	0.71
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD23	1	0.71
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD22	1	0.71
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD21	1	0.71
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD23	1	0.71
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD22	1	0.71
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD21	1	0.71
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD23	1	0.71
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	17	0.71
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	17	0.71
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	17	0.71
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	17	0.71
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	17	0.71
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	17	0.71
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG22	12	0.71
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG21	12	0.71
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG23	12	0.71
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD12	18	0.71
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD11	18	0.71
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD13	18	0.71
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG22	18	0.71
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG21	18	0.71
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG23	18	0.71
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD22	18	0.71
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD21	18	0.71
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD23	18	0.71
(1,178)	2:B:211:ALA:H	2:B:209:LEU:HD11	18	0.71
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE1	16	0.7
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE2	16	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	2:B:255:ILE:HD11	1:A:11:TYR:HE1	16	0.7
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE1	16	0.7
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE2	16	0.7
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	19	0.7
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	19	0.7
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	19	0.7
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	19	0.7
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	19	0.7
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	5	0.7
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	5	0.7
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	5	0.7
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	5	0.7
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	5	0.7
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	4	0.7
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	4	0.7
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	4	0.7
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	11	0.7
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	11	0.7
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	11	0.7
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	11	0.7
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	11	0.7
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	11	0.7
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	11	0.7
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	11	0.7
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	11	0.7
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	11	0.7
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	11	0.7
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	11	0.7
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	11	0.7
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	11	0.7
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD22	4	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD21	4	0.69
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD23	4	0.69
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD12	4	0.69
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD11	4	0.69
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD13	4	0.69
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD22	4	0.69
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD21	4	0.69
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD23	4	0.69
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD12	4	0.69
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD11	4	0.69
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD13	4	0.69
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD22	4	0.69
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD21	4	0.69
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD23	4	0.69
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD12	4	0.69
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD11	4	0.69
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD13	4	0.69
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	9	0.69
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	9	0.69
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	9	0.69
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	9	0.69
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	9	0.69
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	9	0.69
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	9	0.69
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	9	0.69
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	9	0.69
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	9	0.69
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	9	0.69
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	9	0.69
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	9	0.69
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	9	0.69
(1,497)	1:A:39:VAL:HG22	1:A:40:GLU:HG3	12	0.69
(1,497)	1:A:39:VAL:HG21	1:A:40:GLU:HG3	12	0.69
(1,497)	1:A:39:VAL:HG23	1:A:40:GLU:HG3	12	0.69
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG2	12	0.69
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG3	12	0.69
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG2	12	0.69
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG3	12	0.69
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG2	12	0.69
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG3	12	0.69
(1,474)	1:A:31:LEU:HD12	1:A:28:ILE:HA	12	0.69
(1,474)	1:A:31:LEU:HD11	1:A:28:ILE:HA	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:A:31:LEU:HD13	1:A:28:ILE:HA	12	0.69
(1,474)	1:A:31:LEU:HD22	2:B:226:ILE:HA	12	0.69
(1,474)	1:A:31:LEU:HD21	2:B:226:ILE:HA	12	0.69
(1,474)	1:A:31:LEU:HD23	2:B:226:ILE:HA	12	0.69
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	10	0.69
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	10	0.69
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	10	0.69
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	18	0.68
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	18	0.68
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	18	0.68
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	12	0.68
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	12	0.68
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	12	0.68
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	12	0.68
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	12	0.68
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	12	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG22	16	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG21	16	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG23	16	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG12	16	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG11	16	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG13	16	0.68
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG22	16	0.68
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG21	16	0.68
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG23	16	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG22	20	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG21	20	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG23	20	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG12	20	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG11	20	0.68
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG13	20	0.68
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG22	20	0.68
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG21	20	0.68
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG23	20	0.68
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	18	0.67
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	18	0.67
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	18	0.67
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	18	0.67
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	7	0.67
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	7	0.67
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	7	0.67
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	7	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	7	0.67
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	7	0.67
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	7	0.67
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	7	0.67
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	11	0.67
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	11	0.67
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	11	0.67
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	11	0.67
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	11	0.67
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	11	0.67
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	11	0.67
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	11	0.67
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD12	9	0.67
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD11	9	0.67
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD13	9	0.67
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD21	9	0.67
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD23	9	0.67
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD12	9	0.67
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD11	9	0.67
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD13	9	0.67
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD21	9	0.67
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD23	9	0.67
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD12	9	0.67
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD11	9	0.67
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD13	9	0.67
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD21	9	0.67
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD23	9	0.67
(1,741)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	9	0.67
(1,741)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	9	0.67
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	9	0.67
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	9	0.67
(1,444)	1:A:21:VAL:HG11	1:A:27:LYS:HE2	12	0.67
(1,444)	1:A:21:VAL:HG13	1:A:27:LYS:HE2	12	0.67
(1,444)	1:A:21:VAL:HG13	1:A:27:LYS:HE3	12	0.67
(1,444)	1:A:21:VAL:HG22	1:A:27:LYS:HE2	12	0.67
(1,444)	1:A:21:VAL:HG22	1:A:27:LYS:HE3	12	0.67
(1,444)	1:A:21:VAL:HG21	1:A:27:LYS:HE2	12	0.67
(1,444)	1:A:21:VAL:HG21	1:A:27:LYS:HE3	12	0.67
(1,444)	1:A:21:VAL:HG23	1:A:27:LYS:HE2	12	0.67
(1,444)	1:A:21:VAL:HG23	1:A:27:LYS:HE3	12	0.67
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG22	4	0.67
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG21	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG23	4	0.67
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	2	0.67
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	2	0.67
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	2	0.67
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	1	0.66
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	1	0.66
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	1	0.66
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	1	0.66
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	10	0.66
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	10	0.66
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	10	0.66
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	10	0.66
(1,746)	2:B:262:LEU:HD13	1:A:11:TYR:HE1	13	0.66
(1,746)	2:B:262:LEU:HD13	1:A:11:TYR:HE2	13	0.66
(1,746)	2:B:262:LEU:HD22	1:A:11:TYR:HE1	13	0.66
(1,746)	2:B:262:LEU:HD22	1:A:11:TYR:HE2	13	0.66
(1,746)	2:B:262:LEU:HD21	1:A:11:TYR:HE1	13	0.66
(1,746)	2:B:262:LEU:HD21	1:A:11:TYR:HE2	13	0.66
(1,746)	2:B:262:LEU:HD23	1:A:11:TYR:HE2	13	0.66
(1,746)	2:B:262:LEU:HD12	1:A:11:TYR:HE2	13	0.66
(1,746)	2:B:262:LEU:HD11	1:A:11:TYR:HE2	13	0.66
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	1	0.66
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	1	0.66
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	1	0.66
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	1	0.66
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	5	0.66
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	5	0.66
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	5	0.66
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	5	0.66
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	10	0.66
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	10	0.66
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	10	0.66
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	10	0.66
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB2	2	0.66
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB3	2	0.66
(1,710)	2:B:243:ILE:HG21	2:B:247:ASN:HB2	2	0.66
(1,710)	2:B:243:ILE:HG23	2:B:247:ASN:HB2	2	0.66
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	2	0.66
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	2	0.66
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	2	0.66
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	2	0.66
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	2	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	2	0.66
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	16	0.66
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	16	0.66
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	16	0.66
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	16	0.66
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	16	0.66
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	16	0.66
(1,544)	1:A:59:LEU:HD12	1:A:59:LEU:HA	1	0.66
(1,544)	1:A:59:LEU:HD13	1:A:59:LEU:HA	1	0.66
(1,544)	1:A:59:LEU:HD22	1:A:59:LEU:HA	1	0.66
(1,544)	1:A:59:LEU:HD21	1:A:59:LEU:HA	1	0.66
(1,544)	1:A:59:LEU:HD23	1:A:59:LEU:HA	1	0.66
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	2	0.66
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	2	0.66
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	2	0.66
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	19	0.66
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	19	0.66
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	19	0.66
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	19	0.66
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	19	0.66
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	19	0.66
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	19	0.66
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	19	0.66
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	19	0.66
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	19	0.66
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	19	0.66
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	19	0.66
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	19	0.66
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	19	0.66
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	19	0.66
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	11	0.66
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	11	0.66
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	11	0.66
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	11	0.66
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB2	15	0.65
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB3	15	0.65
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB2	15	0.65
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB3	15	0.65
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB2	15	0.65
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB3	15	0.65
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	16	0.65
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	16	0.65
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	16	0.65
(1,497)	1:A:39:VAL:HG22	1:A:40:GLU:HG3	9	0.65
(1,497)	1:A:39:VAL:HG21	1:A:40:GLU:HG3	9	0.65
(1,497)	1:A:39:VAL:HG23	1:A:40:GLU:HG3	9	0.65
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG2	9	0.65
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG3	9	0.65
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG2	9	0.65
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG3	9	0.65
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG2	9	0.65
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG3	9	0.65
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	18	0.65
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	18	0.65
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	18	0.65
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	2	0.65
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	2	0.65
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	2	0.65
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	2	0.65
(1,396)	1:A:7:LEU:HD22	1:A:7:LEU:HA	11	0.65
(1,396)	1:A:7:LEU:HD21	1:A:7:LEU:HA	11	0.65
(1,396)	1:A:7:LEU:HD23	1:A:7:LEU:HA	11	0.65
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG22	5	0.65
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG21	5	0.65
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG23	5	0.65
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD12	18	0.65
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD11	18	0.65
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD13	18	0.65
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	15	0.64
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	15	0.64
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	15	0.64
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	17	0.64
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	17	0.64
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	17	0.64
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	2	0.64
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	2	0.64
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	2	0.64
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	3	0.64
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	3	0.64
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	3	0.64
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	3	0.64
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	18	0.64
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	18	0.64
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	18	0.64
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	6	0.64
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	6	0.64
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	6	0.64
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	6	0.64
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	6	0.64
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	6	0.64
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	2	0.64
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	2	0.64
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	2	0.64
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	2	0.64
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	2	0.64
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	2	0.64
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	2	0.64
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	19	0.64
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	19	0.64
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	19	0.64
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	19	0.64
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	19	0.64
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	19	0.64
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	19	0.64
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	19	0.64
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	19	0.64
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	19	0.64
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	19	0.64
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG21	19	0.64
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	19	0.64
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	20	0.64
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	20	0.64
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	20	0.64
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	20	0.64
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	20	0.64
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	20	0.64
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	20	0.64
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	20	0.64
(1,544)	1:A:59:LEU:HD12	1:A:59:LEU:HA	17	0.64
(1,544)	1:A:59:LEU:HD13	1:A:59:LEU:HA	17	0.64
(1,544)	1:A:59:LEU:HD22	1:A:59:LEU:HA	17	0.64
(1,544)	1:A:59:LEU:HD21	1:A:59:LEU:HA	17	0.64
(1,544)	1:A:59:LEU:HD23	1:A:59:LEU:HA	17	0.64
(1,451)	1:A:23:VAL:HG12	1:A:51:LEU:HD23	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD13	9	0.64
(1,451)	1:A:23:VAL:HG23	1:A:51:LEU:HD23	9	0.64
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	20	0.64
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	20	0.64
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	20	0.64
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	20	0.64
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	20	0.64
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	20	0.64
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	20	0.64
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	20	0.64
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	20	0.64
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	20	0.64
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	20	0.64
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	20	0.64
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	20	0.64
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	20	0.64
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	20	0.64
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	10	0.64
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	10	0.64
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	10	0.64
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	10	0.64
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	10	0.64
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	10	0.64
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	10	0.64
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	10	0.64
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	10	0.64
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	10	0.64
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	10	0.64
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	10	0.64
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	10	0.64
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	10	0.64
(1,1182)	2:B:311:PHE:H	2:B:310:GLY:HA2	13	0.64
(1,1182)	2:B:311:PHE:H	2:B:310:GLY:HA2	17	0.64
(1,1182)	2:B:311:PHE:H	2:B:310:GLY:HA2	19	0.64
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	7	0.63
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	7	0.63
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	7	0.63
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	7	0.63
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB2	10	0.63
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	10	0.63
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB2	10	0.63
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	10	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB2	10	0.63
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	10	0.63
(1,734)	2:B:254:VAL:HG12	2:B:251:ILE:HA	8	0.63
(1,734)	2:B:254:VAL:HG11	2:B:251:ILE:HA	8	0.63
(1,663)	2:B:227:LEU:HD13	2:B:203:TYR:HD2	6	0.63
(1,663)	2:B:227:LEU:HD22	2:B:203:TYR:HD2	6	0.63
(1,663)	2:B:227:LEU:HD21	2:B:203:TYR:HD2	6	0.63
(1,663)	2:B:227:LEU:HD12	2:B:203:TYR:HD2	6	0.63
(1,663)	2:B:227:LEU:HD11	2:B:203:TYR:HD2	6	0.63
(1,544)	1:A:59:LEU:HD12	1:A:59:LEU:HA	8	0.63
(1,544)	1:A:59:LEU:HD13	1:A:59:LEU:HA	8	0.63
(1,544)	1:A:59:LEU:HD22	1:A:59:LEU:HA	8	0.63
(1,544)	1:A:59:LEU:HD21	1:A:59:LEU:HA	8	0.63
(1,544)	1:A:59:LEU:HD23	1:A:59:LEU:HA	8	0.63
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA2	18	0.63
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA3	18	0.63
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA2	18	0.63
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA3	18	0.63
(1,494)	1:A:37:VAL:HG23	2:B:213:GLY:HA3	18	0.63
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	2	0.63
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	2	0.63
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	2	0.63
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	2	0.63
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	2	0.63
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	2	0.63
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	2	0.63
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	2	0.63
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	2	0.63
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	2	0.63
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	2	0.63
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	2	0.63
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	2	0.63
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	2	0.63
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	2	0.63
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG22	10	0.63
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG21	10	0.63
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG23	10	0.63
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	3	0.63
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	3	0.63
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	5	0.62
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	5	0.62
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	5	0.62
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	13	0.62
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	13	0.62
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	13	0.62
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	13	0.62
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	13	0.62
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	3	0.62
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	3	0.62
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	3	0.62
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	3	0.62
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	3	0.62
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	3	0.62
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	3	0.62
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	3	0.62
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	3	0.62
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD1	8	0.62
(1,624)	2:B:209:LEU:HD22	1:A:11:TYR:HD2	8	0.62
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD1	8	0.62
(1,624)	2:B:209:LEU:HD21	1:A:11:TYR:HD2	8	0.62
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD1	8	0.62
(1,624)	2:B:209:LEU:HD23	1:A:11:TYR:HD2	8	0.62
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	18	0.62
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	18	0.62
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	18	0.62
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	18	0.62
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG22	18	0.62
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG21	18	0.62
(1,185)	2:B:213:GLY:H	1:A:37:VAL:HG23	18	0.62
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	11	0.62
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	11	0.62
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	18	0.62
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	18	0.62
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	18	0.62
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	9	0.61
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	9	0.61
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	9	0.61
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	9	0.61
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	15	0.61
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	15	0.61
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	15	0.61
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	15	0.61
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD12	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD11	6	0.61
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD13	6	0.61
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD21	6	0.61
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD23	6	0.61
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD12	6	0.61
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD11	6	0.61
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD13	6	0.61
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD21	6	0.61
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD23	6	0.61
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD12	6	0.61
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD11	6	0.61
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD13	6	0.61
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD21	6	0.61
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD23	6	0.61
(1,517)	1:A:46:LEU:HD12	1:A:42:PHE:HZ	15	0.61
(1,517)	1:A:46:LEU:HD11	1:A:42:PHE:HZ	15	0.61
(1,517)	1:A:46:LEU:HD22	1:A:42:PHE:HZ	15	0.61
(1,517)	1:A:46:LEU:HD21	1:A:42:PHE:HZ	15	0.61
(1,517)	1:A:46:LEU:HD23	1:A:42:PHE:HZ	15	0.61
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	20	0.61
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	20	0.61
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	17	0.61
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	17	0.61
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	17	0.61
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	17	0.61
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	17	0.61
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	17	0.61
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	17	0.61
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	17	0.61
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	17	0.61
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	17	0.61
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	17	0.61
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	17	0.61
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	17	0.61
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	17	0.61
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	12	0.61
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	12	0.61
(1,734)	2:B:254:VAL:HG12	2:B:251:ILE:HA	15	0.6
(1,734)	2:B:254:VAL:HG11	2:B:251:ILE:HA	15	0.6
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	11	0.6
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	11	0.6
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	11	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	11	0.6
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	9	0.6
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	9	0.6
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	9	0.6
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	9	0.6
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	9	0.6
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	9	0.6
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	8	0.6
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	8	0.6
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	8	0.6
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	8	0.6
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	8	0.6
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	8	0.6
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	8	0.6
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	8	0.6
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	8	0.6
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	8	0.6
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	8	0.6
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	8	0.6
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	8	0.6
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	8	0.6
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	8	0.6
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG22	20	0.6
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG21	20	0.6
(1,333)	2:B:271:VAL:H	2:B:271:VAL:HG23	20	0.6
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD22	14	0.59
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD21	14	0.59
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD23	14	0.59
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD12	14	0.59
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD11	14	0.59
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD13	14	0.59
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD22	14	0.59
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD21	14	0.59
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD23	14	0.59
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD12	14	0.59
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD11	14	0.59
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD13	14	0.59
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD22	14	0.59
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD21	14	0.59
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD23	14	0.59
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD12	14	0.59
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD11	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD13	14	0.59
(1,741)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	13	0.59
(1,741)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	13	0.59
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	13	0.59
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	13	0.59
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	17	0.59
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	17	0.59
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	17	0.59
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	17	0.59
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	17	0.59
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	17	0.59
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	17	0.59
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	17	0.59
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	17	0.59
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	17	0.59
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	17	0.59
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	17	0.59
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	17	0.59
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	17	0.59
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	17	0.59
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	12	0.59
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	12	0.59
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	15	0.58
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	15	0.58
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	15	0.58
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	15	0.58
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	15	0.58
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	15	0.58
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	15	0.58
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	15	0.58
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	15	0.58
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	15	0.58
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	15	0.58
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	15	0.58
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	15	0.58
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	15	0.58
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	6	0.58
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	6	0.58
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG12	6	0.58
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG13	6	0.58
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	6	0.58
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB3	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	6	0.58
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	6	0.58
(1,797)	1:A:7:LEU:HD13	2:B:255:ILE:HG13	6	0.58
(1,734)	2:B:254:VAL:HG12	2:B:251:ILE:HA	11	0.58
(1,734)	2:B:254:VAL:HG11	2:B:251:ILE:HA	11	0.58
(1,422)	1:A:14:LEU:HD22	1:A:11:TYR:HA	20	0.58
(1,422)	1:A:14:LEU:HD21	1:A:11:TYR:HA	20	0.58
(1,422)	1:A:14:LEU:HD23	1:A:11:TYR:HA	20	0.58
(1,396)	1:A:7:LEU:HD22	1:A:7:LEU:HA	5	0.58
(1,396)	1:A:7:LEU:HD21	1:A:7:LEU:HA	5	0.58
(1,396)	1:A:7:LEU:HD23	1:A:7:LEU:HA	5	0.58
(1,396)	1:A:7:LEU:HD22	1:A:7:LEU:HA	7	0.58
(1,396)	1:A:7:LEU:HD21	1:A:7:LEU:HA	7	0.58
(1,396)	1:A:7:LEU:HD23	1:A:7:LEU:HA	7	0.58
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD12	11	0.57
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD11	11	0.57
(1,712)	2:B:243:ILE:HA	2:B:246:LEU:HD13	11	0.57
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	20	0.57
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	20	0.57
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	20	0.57
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	20	0.57
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	20	0.57
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	20	0.57
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	20	0.57
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	20	0.57
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	20	0.57
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	20	0.57
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	20	0.57
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG21	20	0.57
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	20	0.57
(1,465)	1:A:28:ILE:HG23	1:A:47:PHE:HB3	7	0.57
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB2	7	0.57
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB3	7	0.57
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB2	7	0.57
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB3	7	0.57
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	13	0.57
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	13	0.57
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	12	0.57
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	12	0.57
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	12	0.57
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	12	0.57
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	12	0.57
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	12	0.57
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	12	0.57
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	12	0.57
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	12	0.57
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	12	0.57
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	12	0.57
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	12	0.57
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	12	0.57
(1,396)	1:A:7:LEU:HD22	1:A:7:LEU:HA	3	0.57
(1,396)	1:A:7:LEU:HD21	1:A:7:LEU:HA	3	0.57
(1,396)	1:A:7:LEU:HD23	1:A:7:LEU:HA	3	0.57
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	20	0.57
(1,1182)	2:B:311:PHE:H	2:B:310:GLY:HA2	6	0.57
(1,1182)	2:B:311:PHE:H	2:B:310:GLY:HA2	8	0.57
(1,1182)	2:B:311:PHE:H	2:B:310:GLY:HA2	16	0.57
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	2	0.56
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	2	0.56
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	2	0.56
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	2	0.56
(1,734)	2:B:254:VAL:HG12	2:B:251:ILE:HA	14	0.56
(1,734)	2:B:254:VAL:HG11	2:B:251:ILE:HA	14	0.56
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD22	18	0.56
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD21	18	0.56
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD23	18	0.56
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD22	18	0.56
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD21	18	0.56
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD23	18	0.56
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD22	18	0.56
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD21	18	0.56
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD23	18	0.56
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD22	18	0.56
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD21	18	0.56
(1,491)	1:A:37:VAL:HG13	1:A:4:VAL:HB	1	0.56
(1,491)	1:A:37:VAL:HG22	1:A:4:VAL:HB	1	0.56
(1,491)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	1	0.56
(1,491)	1:A:37:VAL:HG21	1:A:4:VAL:HB	1	0.56
(1,491)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	1	0.56
(1,491)	1:A:37:VAL:HG23	1:A:4:VAL:HB	1	0.56
(1,491)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	1	0.56
(1,491)	1:A:37:VAL:HG12	1:A:4:VAL:HB	1	0.56
(1,491)	1:A:37:VAL:HG11	1:A:4:VAL:HB	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,491)	1:A:37:VAL:HG13	1:A:4:VAL:HB	12	0.56
(1,491)	1:A:37:VAL:HG22	1:A:4:VAL:HB	12	0.56
(1,491)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	12	0.56
(1,491)	1:A:37:VAL:HG21	1:A:4:VAL:HB	12	0.56
(1,491)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	12	0.56
(1,491)	1:A:37:VAL:HG23	1:A:4:VAL:HB	12	0.56
(1,491)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	12	0.56
(1,491)	1:A:37:VAL:HG12	1:A:4:VAL:HB	12	0.56
(1,491)	1:A:37:VAL:HG11	1:A:4:VAL:HB	12	0.56
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	19	0.56
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	19	0.56
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD12	11	0.56
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD11	11	0.56
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD13	11	0.56
(1,396)	1:A:7:LEU:HD22	1:A:7:LEU:HA	10	0.56
(1,396)	1:A:7:LEU:HD21	1:A:7:LEU:HA	10	0.56
(1,396)	1:A:7:LEU:HD23	1:A:7:LEU:HA	10	0.56
(1,238)	2:B:229:SER:H	1:A:31:LEU:HD22	19	0.56
(1,238)	2:B:229:SER:H	1:A:31:LEU:HD21	19	0.56
(1,238)	2:B:229:SER:H	1:A:31:LEU:HD23	19	0.56
(1,238)	2:B:229:SER:H	2:B:230:VAL:HG22	19	0.56
(1,238)	2:B:229:SER:H	2:B:230:VAL:HG21	19	0.56
(1,238)	2:B:229:SER:H	2:B:230:VAL:HG23	19	0.56
(1,238)	2:B:229:SER:H	2:B:230:VAL:HG12	19	0.56
(1,684)	2:B:234:ALA:HB2	2:B:224:LYS:HE2	18	0.55
(1,684)	2:B:234:ALA:HB1	2:B:224:LYS:HE2	18	0.55
(1,684)	2:B:234:ALA:HB1	2:B:224:LYS:HE3	18	0.55
(1,684)	2:B:234:ALA:HB3	2:B:224:LYS:HE2	18	0.55
(1,684)	2:B:234:ALA:HB3	2:B:224:LYS:HE3	18	0.55
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	20	0.55
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	20	0.55
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	20	0.55
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	20	0.55
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	20	0.55
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	20	0.55
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	20	0.55
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	20	0.55
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	20	0.55
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	20	0.55
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	20	0.55
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	20	0.55
(1,396)	1:A:7:LEU:HD22	1:A:7:LEU:HA	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,396)	1:A:7:LEU:HD21	1:A:7:LEU:HA	8	0.55
(1,396)	1:A:7:LEU:HD23	1:A:7:LEU:HA	8	0.55
(1,396)	1:A:7:LEU:HD22	1:A:7:LEU:HA	9	0.55
(1,396)	1:A:7:LEU:HD21	1:A:7:LEU:HA	9	0.55
(1,396)	1:A:7:LEU:HD23	1:A:7:LEU:HA	9	0.55
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	11	0.55
(1,1248)	2:B:234:ALA:HA	2:B:203:TYR:HE2	13	0.55
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	7	0.54
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	7	0.54
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG12	7	0.54
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG13	7	0.54
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	7	0.54
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB3	7	0.54
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	7	0.54
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	7	0.54
(1,797)	1:A:7:LEU:HD13	2:B:255:ILE:HG13	7	0.54
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	11	0.54
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	11	0.54
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	11	0.54
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	11	0.54
(1,603)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	11	0.54
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	4	0.54
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	4	0.54
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	4	0.54
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	4	0.54
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	4	0.54
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	4	0.54
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	4	0.54
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	4	0.54
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	17	0.54
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	17	0.54
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	17	0.54
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	17	0.54
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	17	0.54
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	17	0.54
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	17	0.54
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	17	0.54
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	17	0.54
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	17	0.54
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	17	0.54
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	17	0.54
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	17	0.54
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	17	0.54
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	1	0.54
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	1	0.54
(1,396)	1:A:7:LEU:HD22	1:A:7:LEU:HA	2	0.54
(1,396)	1:A:7:LEU:HD21	1:A:7:LEU:HA	2	0.54
(1,396)	1:A:7:LEU:HD23	1:A:7:LEU:HA	2	0.54
(1,396)	1:A:7:LEU:HD22	1:A:7:LEU:HA	18	0.54
(1,396)	1:A:7:LEU:HD21	1:A:7:LEU:HA	18	0.54
(1,396)	1:A:7:LEU:HD23	1:A:7:LEU:HA	18	0.54
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG22	4	0.54
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG21	4	0.54
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG23	4	0.54
(1,319)	2:B:264:SER:H	2:B:262:LEU:HD13	4	0.54
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD22	4	0.54
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD21	4	0.54
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD23	4	0.54
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD12	4	0.54
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD11	4	0.54
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD13	4	0.54
(1,23)	1:A:19:ASP:H	1:A:19:ASP:HB2	18	0.54
(1,23)	1:A:19:ASP:H	1:A:19:ASP:HB3	18	0.54
(1,23)	1:A:19:ASP:H	1:A:18:ASP:HB3	18	0.54
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	6	0.53
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	6	0.53
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	6	0.53
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	6	0.53
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	6	0.53
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	6	0.53
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA2	17	0.53
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA3	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA2	17	0.53
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA3	17	0.53
(1,494)	1:A:37:VAL:HG23	2:B:213:GLY:HA3	17	0.53
(1,490)	1:A:37:VAL:HG11	2:B:214:GLY:HA3	12	0.53
(1,490)	1:A:37:VAL:HG13	2:B:214:GLY:HA3	12	0.53
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA2	12	0.53
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA3	12	0.53
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA2	12	0.53
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA3	12	0.53
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA2	12	0.53
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA3	12	0.53
(1,490)	1:A:37:VAL:HG11	2:B:214:GLY:HA3	18	0.53
(1,490)	1:A:37:VAL:HG13	2:B:214:GLY:HA3	18	0.53
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA2	18	0.53
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA3	18	0.53
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA2	18	0.53
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA3	18	0.53
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA2	18	0.53
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA3	18	0.53
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	18	0.53
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	18	0.53
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	18	0.53
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	18	0.53
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	18	0.53
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	18	0.53
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	18	0.53
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	18	0.53
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	18	0.53
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	18	0.53
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	18	0.53
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	18	0.53
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	7	0.53
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	7	0.53
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	1	0.53
(1,1182)	2:B:311:PHE:H	2:B:310:GLY:HA2	18	0.53
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE1	3	0.52
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE2	3	0.52
(1,867)	2:B:255:ILE:HD11	1:A:11:TYR:HE1	3	0.52
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE1	3	0.52
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE2	3	0.52
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	14	0.52
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	14	0.52
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	14	0.52
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	11	0.52
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	11	0.52
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	11	0.52
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	11	0.52
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	11	0.52
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	11	0.52
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	11	0.52
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	11	0.52
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	11	0.52
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	11	0.52
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	11	0.52
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG21	11	0.52
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	11	0.52
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	17	0.52
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	17	0.52
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	17	0.52
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	17	0.52
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	17	0.52
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	17	0.52
(1,516)	1:A:46:LEU:HD12	1:A:42:PHE:HE2	18	0.52
(1,516)	1:A:46:LEU:HD11	1:A:42:PHE:HE2	18	0.52
(1,516)	1:A:46:LEU:HD13	1:A:42:PHE:HE2	18	0.52
(1,516)	1:A:46:LEU:HD22	1:A:42:PHE:HE2	18	0.52
(1,516)	1:A:46:LEU:HD21	1:A:42:PHE:HE1	18	0.52
(1,516)	1:A:46:LEU:HD21	1:A:42:PHE:HE2	18	0.52
(1,516)	1:A:46:LEU:HD23	1:A:42:PHE:HE1	18	0.52
(1,516)	1:A:46:LEU:HD23	1:A:42:PHE:HE2	18	0.52
(1,490)	1:A:37:VAL:HG11	2:B:214:GLY:HA3	10	0.52
(1,490)	1:A:37:VAL:HG13	2:B:214:GLY:HA3	10	0.52
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA2	10	0.52
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA3	10	0.52
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA2	10	0.52
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA3	10	0.52
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA2	10	0.52
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA3	10	0.52
(1,1105)	2:B:234:ALA:H	2:B:203:TYR:HE2	13	0.52
(1,849)	1:A:7:LEU:HD12	2:B:212:LEU:HD12	9	0.51
(1,849)	1:A:7:LEU:HD11	2:B:212:LEU:HD12	9	0.51
(1,849)	1:A:7:LEU:HD13	2:B:212:LEU:HD12	9	0.51
(1,849)	1:A:7:LEU:HD12	2:B:212:LEU:HD11	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:A:7:LEU:HD11	2:B:212:LEU:HD11	9	0.51
(1,849)	1:A:7:LEU:HD13	2:B:212:LEU:HD11	9	0.51
(1,849)	1:A:37:VAL:HG22	2:B:212:LEU:HD11	9	0.51
(1,849)	1:A:37:VAL:HG23	2:B:212:LEU:HD11	9	0.51
(1,849)	1:A:7:LEU:HD12	2:B:212:LEU:HD13	9	0.51
(1,849)	1:A:7:LEU:HD11	2:B:212:LEU:HD13	9	0.51
(1,849)	1:A:7:LEU:HD13	2:B:212:LEU:HD13	9	0.51
(1,849)	1:A:37:VAL:HG22	2:B:212:LEU:HD13	9	0.51
(1,849)	1:A:7:LEU:HD12	2:B:212:LEU:HD22	9	0.51
(1,849)	1:A:7:LEU:HD11	2:B:212:LEU:HD22	9	0.51
(1,849)	1:A:7:LEU:HD13	2:B:212:LEU:HD22	9	0.51
(1,849)	1:A:37:VAL:HG22	2:B:212:LEU:HD22	9	0.51
(1,849)	1:A:37:VAL:HG21	2:B:212:LEU:HD22	9	0.51
(1,849)	1:A:37:VAL:HG23	2:B:212:LEU:HD22	9	0.51
(1,849)	1:A:7:LEU:HD12	2:B:212:LEU:HD21	9	0.51
(1,849)	1:A:7:LEU:HD11	2:B:212:LEU:HD21	9	0.51
(1,849)	1:A:7:LEU:HD13	2:B:212:LEU:HD21	9	0.51
(1,849)	1:A:37:VAL:HG22	2:B:212:LEU:HD21	9	0.51
(1,849)	1:A:37:VAL:HG21	2:B:212:LEU:HD21	9	0.51
(1,849)	1:A:37:VAL:HG23	2:B:212:LEU:HD21	9	0.51
(1,849)	1:A:7:LEU:HD12	2:B:212:LEU:HD23	9	0.51
(1,849)	1:A:7:LEU:HD11	2:B:212:LEU:HD23	9	0.51
(1,849)	1:A:7:LEU:HD13	2:B:212:LEU:HD23	9	0.51
(1,849)	1:A:37:VAL:HG23	2:B:212:LEU:HD23	9	0.51
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	4	0.51
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	4	0.51
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	4	0.51
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	4	0.51
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	4	0.51
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	4	0.51
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	4	0.51
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	4	0.51
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	4	0.51
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	4	0.51
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	4	0.51
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	4	0.51
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	4	0.51
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	4	0.51
(1,734)	2:B:254:VAL:HG12	2:B:251:ILE:HA	19	0.51
(1,734)	2:B:254:VAL:HG11	2:B:251:ILE:HA	19	0.51
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	2	0.51
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	2	0.51
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	2	0.51
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	15	0.51
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	15	0.51
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	15	0.51
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	15	0.51
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	5	0.51
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	5	0.51
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	5	0.51
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	5	0.51
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	5	0.51
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	5	0.51
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD12	8	0.51
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD11	8	0.51
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD13	8	0.51
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD22	8	0.51
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD21	8	0.51
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD23	8	0.51
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD12	8	0.51
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD11	8	0.51
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD13	8	0.51
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD22	8	0.51
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD21	8	0.51
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD23	8	0.51
(1,607)	2:B:204:VAL:HG13	2:B:246:LEU:HD12	8	0.51
(1,607)	2:B:204:VAL:HG13	2:B:246:LEU:HD21	8	0.51
(1,607)	2:B:204:VAL:HG13	2:B:246:LEU:HD23	8	0.51
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD12	8	0.51
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD11	8	0.51
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD13	8	0.51
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD22	8	0.51
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD21	8	0.51
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD23	8	0.51
(1,607)	2:B:204:VAL:HG21	2:B:246:LEU:HD12	8	0.51
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD12	8	0.51
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD11	8	0.51
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD13	8	0.51
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD21	8	0.51
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD23	8	0.51
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	4	0.51
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	4	0.51
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	4	0.51
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	4	0.51
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	4	0.51
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	7	0.51
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	7	0.51
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	7	0.51
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	7	0.51
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	7	0.51
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	7	0.51
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	11	0.51
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	11	0.51
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	11	0.51
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	11	0.51
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	11	0.51
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	11	0.51
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	11	0.51
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	11	0.51
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	11	0.51
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	11	0.51
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	11	0.51
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	11	0.51
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	18	0.51
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	18	0.51
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	18	0.51
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	18	0.51
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	18	0.51
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	18	0.51
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	18	0.51
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	18	0.51
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	18	0.51
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	18	0.51
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	18	0.51
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	18	0.51
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	18	0.51
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	18	0.51
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	4	0.5
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	4	0.5
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	4	0.5
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	4	0.5
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD3	15	0.5
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD2	15	0.5
(1,756)	2:B:266:PRO:HB2	2:B:266:PRO:HD3	15	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	9	0.5
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	9	0.5
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	9	0.5
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	9	0.5
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	9	0.5
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	9	0.5
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	9	0.5
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	9	0.5
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	8	0.5
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	8	0.5
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	8	0.5
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	8	0.5
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	8	0.5
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	8	0.5
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	8	0.5
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	8	0.5
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	8	0.5
(1,465)	1:A:28:ILE:HG23	1:A:47:PHE:HB3	10	0.5
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB2	10	0.5
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB3	10	0.5
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB2	10	0.5
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB3	10	0.5
(1,429)	1:A:15:ILE:HD12	2:B:205:ALA:HB3	5	0.5
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB2	5	0.5
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB1	5	0.5
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB3	5	0.5
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB2	5	0.5
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB1	5	0.5
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB3	5	0.5
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	13	0.5
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	13	0.5
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE2	16	0.49
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE1	16	0.49
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE2	16	0.49
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE1	16	0.49
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE2	16	0.49
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE1	16	0.49
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD3	5	0.49
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD2	5	0.49
(1,756)	2:B:266:PRO:HB2	2:B:266:PRO:HD3	5	0.49
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD3	8	0.49
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD2	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	2:B:266:PRO:HB2	2:B:266:PRO:HD3	8	0.49
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD3	10	0.49
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD2	10	0.49
(1,756)	2:B:266:PRO:HB2	2:B:266:PRO:HD3	10	0.49
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD3	17	0.49
(1,756)	2:B:266:PRO:HB3	2:B:266:PRO:HD2	17	0.49
(1,756)	2:B:266:PRO:HB2	2:B:266:PRO:HD3	17	0.49
(1,695)	2:B:242:VAL:HG12	2:B:203:TYR:HD1	2	0.49
(1,695)	2:B:242:VAL:HG11	2:B:203:TYR:HD1	2	0.49
(1,695)	2:B:242:VAL:HG13	2:B:203:TYR:HD1	2	0.49
(1,695)	2:B:242:VAL:HG22	2:B:203:TYR:HD1	2	0.49
(1,695)	2:B:242:VAL:HG21	2:B:203:TYR:HD1	2	0.49
(1,695)	2:B:242:VAL:HG23	2:B:203:TYR:HD1	2	0.49
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	6	0.49
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	6	0.49
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	6	0.49
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	6	0.49
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	6	0.49
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	6	0.49
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	6	0.49
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB2	11	0.49
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB3	11	0.49
(1,491)	1:A:37:VAL:HG13	1:A:4:VAL:HB	4	0.49
(1,491)	1:A:37:VAL:HG22	1:A:4:VAL:HB	4	0.49
(1,491)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	4	0.49
(1,491)	1:A:37:VAL:HG21	1:A:4:VAL:HB	4	0.49
(1,491)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	4	0.49
(1,491)	1:A:37:VAL:HG23	1:A:4:VAL:HB	4	0.49
(1,491)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	4	0.49
(1,491)	1:A:37:VAL:HG12	1:A:4:VAL:HB	4	0.49
(1,491)	1:A:37:VAL:HG11	1:A:4:VAL:HB	4	0.49
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	12	0.49
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	12	0.49
(1,429)	1:A:15:ILE:HD12	2:B:205:ALA:HB3	19	0.49
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB2	19	0.49
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB1	19	0.49
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB3	19	0.49
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB2	19	0.49
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB1	19	0.49
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB3	19	0.49
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	4	0.49
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	4	0.49
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	4	0.49
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	4	0.49
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	4	0.49
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	4	0.49
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	4	0.49
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	4	0.49
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	4	0.49
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	4	0.49
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	4	0.49
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	4	0.49
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	4	0.49
(1,417)	1:A:13:ALA:HB2	1:A:51:LEU:HD11	2	0.49
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD12	2	0.49
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD13	2	0.49
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD21	2	0.49
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD22	2	0.49
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD23	2	0.49
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG12	1	0.49
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG11	1	0.49
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG13	1	0.49
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE1	9	0.48
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE2	9	0.48
(1,867)	2:B:255:ILE:HD11	1:A:11:TYR:HE1	9	0.48
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE1	9	0.48
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE2	9	0.48
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	1	0.48
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	1	0.48
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE2	11	0.48
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE3	11	0.48
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE2	11	0.48
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE3	11	0.48
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE2	11	0.48
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE3	11	0.48
(1,687)	2:B:239:LEU:HD13	2:B:224:LYS:HE3	11	0.48
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE2	11	0.48
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE3	11	0.48
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	19	0.48
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	19	0.48
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	19	0.48
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	19	0.48
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	19	0.48
(1,497)	1:A:39:VAL:HG22	1:A:40:GLU:HG3	18	0.48
(1,497)	1:A:39:VAL:HG21	1:A:40:GLU:HG3	18	0.48
(1,497)	1:A:39:VAL:HG23	1:A:40:GLU:HG3	18	0.48
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG2	18	0.48
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG3	18	0.48
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG2	18	0.48
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG3	18	0.48
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG2	18	0.48
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG3	18	0.48
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	18	0.48
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	18	0.48
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	13	0.48
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	13	0.48
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	4	0.47
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	4	0.47
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	4	0.47
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	4	0.47
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	4	0.47
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	11	0.47
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	11	0.47
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	11	0.47
(1,497)	1:A:39:VAL:HG22	1:A:40:GLU:HG3	3	0.47
(1,497)	1:A:39:VAL:HG21	1:A:40:GLU:HG3	3	0.47
(1,497)	1:A:39:VAL:HG23	1:A:40:GLU:HG3	3	0.47
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG2	3	0.47
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG3	3	0.47
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG2	3	0.47
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG3	3	0.47
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG2	3	0.47
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG3	3	0.47
(1,465)	1:A:28:ILE:HG23	1:A:47:PHE:HB3	18	0.47
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB2	18	0.47
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB3	18	0.47
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB2	18	0.47
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB3	18	0.47
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	15	0.47
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	15	0.47
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	15	0.47
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	15	0.47
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	15	0.47
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	15	0.47
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	15	0.47
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	15	0.47
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	15	0.47
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	15	0.47
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	15	0.47
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	15	0.47
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	15	0.47
(1,396)	1:A:7:LEU:HD22	1:A:7:LEU:HA	6	0.47
(1,396)	1:A:7:LEU:HD21	1:A:7:LEU:HA	6	0.47
(1,396)	1:A:7:LEU:HD23	1:A:7:LEU:HA	6	0.47
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD12	4	0.47
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD11	4	0.47
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD13	4	0.47
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG22	4	0.47
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG21	4	0.47
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG23	4	0.47
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD22	4	0.47
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD21	4	0.47
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD23	4	0.47
(1,178)	2:B:211:ALA:H	2:B:209:LEU:HD11	4	0.47
(1,10)	1:A:12:SER:H	2:B:209:LEU:HD22	8	0.47
(1,10)	1:A:12:SER:H	2:B:209:LEU:HD21	8	0.47
(1,10)	1:A:12:SER:H	2:B:209:LEU:HD23	8	0.47
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	7	0.46
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	7	0.46
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	7	0.46
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	7	0.46
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	7	0.46
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	7	0.46
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	7	0.46
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	7	0.46
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	7	0.46
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	7	0.46
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	7	0.46
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	7	0.46
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	7	0.46
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	7	0.46
(1,806)	1:A:15:ILE:HD12	2:B:209:LEU:HD12	11	0.46
(1,806)	1:A:15:ILE:HD12	2:B:209:LEU:HD11	11	0.46
(1,806)	1:A:15:ILE:HD12	2:B:209:LEU:HD13	11	0.46
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD12	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD11	11	0.46
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD13	11	0.46
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD22	11	0.46
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD12	11	0.46
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD11	11	0.46
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD13	11	0.46
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD22	11	0.46
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD21	11	0.46
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	4	0.46
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	4	0.46
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	4	0.46
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	4	0.46
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	4	0.46
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	4	0.46
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	4	0.46
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	4	0.46
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	4	0.46
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	3	0.46
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	3	0.46
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	3	0.46
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	4	0.46
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	4	0.46
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	4	0.46
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	4	0.46
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	4	0.46
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	4	0.46
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	9	0.46
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	9	0.46
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	9	0.46
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	9	0.46
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	9	0.46
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	9	0.46
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	12	0.46
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	12	0.46
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	12	0.46
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	12	0.46
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	12	0.46
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	12	0.46
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	7	0.46
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	7	0.46
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	7	0.46
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	7	0.46
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	9	0.46
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	9	0.46
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	9	0.46
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	9	0.46
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	9	0.46
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA2	9	0.46
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA3	9	0.46
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA2	9	0.46
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA3	9	0.46
(1,494)	1:A:37:VAL:HG23	2:B:213:GLY:HA3	9	0.46
(1,490)	1:A:37:VAL:HG11	2:B:214:GLY:HA3	1	0.46
(1,490)	1:A:37:VAL:HG13	2:B:214:GLY:HA3	1	0.46
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA2	1	0.46
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA3	1	0.46
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA2	1	0.46
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA3	1	0.46
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA2	1	0.46
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA3	1	0.46
(1,490)	1:A:37:VAL:HG11	2:B:214:GLY:HA3	13	0.46
(1,490)	1:A:37:VAL:HG13	2:B:214:GLY:HA3	13	0.46
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA2	13	0.46
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA3	13	0.46
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA2	13	0.46
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA3	13	0.46
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA2	13	0.46
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA3	13	0.46
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB2	18	0.46
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB3	18	0.46
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HG3	18	0.46
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG22	20	0.46
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG21	20	0.46
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG23	20	0.46
(1,319)	2:B:264:SER:H	2:B:262:LEU:HD13	20	0.46
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD22	20	0.46
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD21	20	0.46
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD23	20	0.46
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD12	20	0.46
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD11	20	0.46
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD13	20	0.46
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	2	0.46
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD12	8	0.45
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD11	8	0.45
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD13	8	0.45
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG22	8	0.45
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG21	8	0.45
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG23	8	0.45
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD22	8	0.45
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD21	8	0.45
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD23	8	0.45
(1,178)	2:B:211:ALA:H	2:B:209:LEU:HD11	8	0.45
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE2	14	0.44
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE1	14	0.44
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE2	14	0.44
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE1	14	0.44
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE2	14	0.44
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE1	14	0.44
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	19	0.44
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	19	0.44
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	19	0.44
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	19	0.44
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	19	0.44
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	19	0.44
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	19	0.44
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	19	0.44
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	13	0.44
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	13	0.44
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	13	0.44
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	13	0.44
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	5	0.44
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HE1	5	0.44
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	5	0.44
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HE1	5	0.44
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	5	0.44
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HE1	5	0.44
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	5	0.44
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD2	5	0.44
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HE1	5	0.44
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	5	0.44
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	5	0.44
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HE1	5	0.44
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	5	0.44
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE1	5	0.44
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE2	5	0.44
(1,429)	1:A:15:ILE:HD12	2:B:205:ALA:HB3	7	0.44
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB2	7	0.44
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB1	7	0.44
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB3	7	0.44
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB2	7	0.44
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB1	7	0.44
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB3	7	0.44
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG22	3	0.44
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG21	3	0.44
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG23	3	0.44
(1,319)	2:B:264:SER:H	2:B:262:LEU:HD13	3	0.44
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD22	3	0.44
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD21	3	0.44
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD23	3	0.44
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD12	3	0.44
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD11	3	0.44
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD13	3	0.44
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	19	0.44
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	19	0.44
(1,801)	1:A:10:ILE:HG22	2:B:259:ILE:HG22	3	0.43
(1,801)	1:A:10:ILE:HG22	2:B:259:ILE:HG21	3	0.43
(1,801)	1:A:10:ILE:HG22	2:B:259:ILE:HG23	3	0.43
(1,801)	1:A:10:ILE:HG21	2:B:259:ILE:HG21	3	0.43
(1,801)	1:A:10:ILE:HG23	2:B:259:ILE:HG22	3	0.43
(1,801)	1:A:10:ILE:HG23	2:B:259:ILE:HG21	3	0.43
(1,801)	1:A:10:ILE:HG23	2:B:259:ILE:HG23	3	0.43
(1,741)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	17	0.43
(1,741)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	17	0.43
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	17	0.43
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	17	0.43
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	10	0.43
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	10	0.43
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	10	0.43
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	10	0.43
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	10	0.43
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	14	0.43
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	14	0.43
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	14	0.43
(1,709)	2:B:243:ILE:HG22	2:B:247:ASN:HA	12	0.43
(1,709)	2:B:243:ILE:HG21	2:B:247:ASN:HA	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	2:B:243:ILE:HG22	2:B:247:ASN:HA	14	0.43
(1,709)	2:B:243:ILE:HG21	2:B:247:ASN:HA	14	0.43
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	10	0.43
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	10	0.43
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	10	0.43
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	10	0.43
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	10	0.43
(1,417)	1:A:13:ALA:HB2	1:A:51:LEU:HD11	8	0.43
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD12	8	0.43
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD13	8	0.43
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD21	8	0.43
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD22	8	0.43
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD23	8	0.43
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG22	10	0.43
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG21	10	0.43
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG23	10	0.43
(1,1226)	2:B:314:PHE:H	2:B:314:PHE:HD2	10	0.43
(1,1031)	2:B:206:SER:H	2:B:223:ILE:HG12	7	0.43
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	6	0.42
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	6	0.42
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	6	0.42
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	6	0.42
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	3	0.42
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	3	0.42
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	3	0.42
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	3	0.42
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	3	0.42
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	3	0.42
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	3	0.42
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	3	0.42
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	3	0.42
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	3	0.42
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	3	0.42
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	3	0.42
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	3	0.42
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	3	0.42
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	19	0.42
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	19	0.42
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	19	0.42
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	19	0.42
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	19	0.42
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	19	0.42
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	19	0.42
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	19	0.42
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	19	0.42
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	19	0.42
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	19	0.42
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	19	0.42
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	19	0.42
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	19	0.42
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	1	0.42
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	1	0.42
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	1	0.42
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	1	0.42
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	1	0.42
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	1	0.42
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	1	0.42
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	1	0.42
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	1	0.42
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB2	15	0.42
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB3	15	0.42
(1,710)	2:B:243:ILE:HG21	2:B:247:ASN:HB2	15	0.42
(1,710)	2:B:243:ILE:HG23	2:B:247:ASN:HB2	15	0.42
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	17	0.42
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	17	0.42
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	17	0.42
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	17	0.42
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	17	0.42
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	17	0.42
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	17	0.42
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	17	0.42
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	8	0.42
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	8	0.42
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	8	0.42
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	8	0.42
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	8	0.42
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	8	0.42
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	19	0.42
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	19	0.42
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	19	0.42
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	19	0.42
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	19	0.42
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	8	0.42
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	8	0.42
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	8	0.42
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	9	0.42
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	9	0.42
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	9	0.42
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	10	0.42
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	10	0.42
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	10	0.42
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	10	0.42
(1,419)	1:A:14:LEU:HA	2:B:262:LEU:HB2	3	0.42
(1,419)	1:A:14:LEU:HA	2:B:262:LEU:HB3	3	0.42
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG22	16	0.42
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG21	16	0.42
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG23	16	0.42
(1,319)	2:B:264:SER:H	2:B:262:LEU:HD13	16	0.42
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD22	16	0.42
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD21	16	0.42
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD23	16	0.42
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD12	16	0.42
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD11	16	0.42
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD13	16	0.42
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	16	0.42
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	16	0.42
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	3	0.42
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	3	0.42
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE2	5	0.41
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE1	5	0.41
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE2	5	0.41
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE1	5	0.41
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE2	5	0.41
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE1	5	0.41
(1,828)	1:A:59:LEU:HD12	2:B:259:ILE:HA	9	0.41
(1,828)	1:A:59:LEU:HD11	2:B:259:ILE:HA	9	0.41
(1,828)	1:A:59:LEU:HD13	2:B:259:ILE:HA	9	0.41
(1,828)	1:A:59:LEU:HD22	2:B:259:ILE:HA	9	0.41
(1,828)	1:A:59:LEU:HD21	2:B:259:ILE:HA	9	0.41
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG22	4	0.41
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG21	4	0.41
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG23	4	0.41
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG22	4	0.41
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG21	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG23	4	0.41
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG22	4	0.41
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG21	4	0.41
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG23	4	0.41
(1,734)	2:B:254:VAL:HG12	2:B:251:ILE:HA	16	0.41
(1,734)	2:B:254:VAL:HG11	2:B:251:ILE:HA	16	0.41
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	14	0.41
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	14	0.41
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	14	0.41
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	14	0.41
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	14	0.41
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	14	0.41
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	14	0.41
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	14	0.41
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	14	0.41
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	14	0.41
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	14	0.41
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG21	14	0.41
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	14	0.41
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	2	0.41
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	2	0.41
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	2	0.41
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	14	0.41
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	14	0.41
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	14	0.41
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	14	0.41
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	14	0.41
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	14	0.41
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	14	0.41
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	14	0.41
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	14	0.41
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	14	0.41
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	14	0.41
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	14	0.41
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	20	0.41
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	20	0.41
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	20	0.41
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	20	0.41
(1,417)	1:A:13:ALA:HB2	1:A:51:LEU:HD11	9	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD12	9	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD13	9	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD21	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD22	9	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD23	9	0.41
(1,417)	1:A:13:ALA:HB2	1:A:51:LEU:HD11	20	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD12	20	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD13	20	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD21	20	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD22	20	0.41
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD23	20	0.41
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD22	4	0.41
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD21	4	0.41
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD23	4	0.41
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	7	0.41
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	7	0.41
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	19	0.41
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	19	0.41
(1,1031)	2:B:206:SER:H	2:B:223:ILE:HG12	16	0.41
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	8	0.4
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	8	0.4
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	8	0.4
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	8	0.4
(1,838)	2:B:201:MET:HE1	1:A:14:LEU:HB2	5	0.4
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB2	5	0.4
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB3	5	0.4
(1,838)	2:B:201:MET:HE2	1:A:14:LEU:HB2	5	0.4
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	5	0.4
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	5	0.4
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	5	0.4
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	5	0.4
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	5	0.4
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	5	0.4
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	5	0.4
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	5	0.4
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	5	0.4
(1,591)	1:A:112:LEU:HD13	1:A:112:LEU:HA	1	0.4
(1,591)	1:A:112:LEU:HD22	1:A:112:LEU:HA	1	0.4
(1,591)	1:A:112:LEU:HD12	1:A:112:LEU:HA	1	0.4
(1,591)	1:A:112:LEU:HD11	1:A:112:LEU:HA	1	0.4
(1,591)	1:A:112:LEU:HD13	1:A:112:LEU:HA	7	0.4
(1,591)	1:A:112:LEU:HD22	1:A:112:LEU:HA	7	0.4
(1,591)	1:A:112:LEU:HD12	1:A:112:LEU:HA	7	0.4
(1,591)	1:A:112:LEU:HD11	1:A:112:LEU:HA	7	0.4
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	14	0.4
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	14	0.4
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	14	0.4
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	14	0.4
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	2	0.4
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	2	0.4
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	2	0.4
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	2	0.4
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	2	0.4
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	2	0.4
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	2	0.4
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	2	0.4
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	2	0.4
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	2	0.4
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	2	0.4
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	2	0.4
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	2	0.4
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	2	0.4
(1,314)	2:B:261:LYS:H	2:B:261:LYS:HG2	7	0.4
(1,314)	2:B:261:LYS:H	2:B:261:LYS:HG3	7	0.4
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	5	0.39
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	5	0.39
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	5	0.39
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	6	0.39
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	6	0.39
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	6	0.39
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	6	0.39
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	6	0.39
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB2	1	0.39
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB3	1	0.39
(1,710)	2:B:243:ILE:HG21	2:B:247:ASN:HB2	1	0.39
(1,710)	2:B:243:ILE:HG23	2:B:247:ASN:HB2	1	0.39
(1,693)	2:B:242:VAL:HG12	2:B:203:TYR:HE1	17	0.39
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE1	17	0.39
(1,693)	2:B:242:VAL:HG11	2:B:203:TYR:HE2	17	0.39
(1,693)	2:B:242:VAL:HG13	2:B:203:TYR:HE1	17	0.39
(1,693)	2:B:242:VAL:HG22	2:B:203:TYR:HE1	17	0.39
(1,693)	2:B:242:VAL:HG21	2:B:203:TYR:HE1	17	0.39
(1,693)	2:B:242:VAL:HG23	2:B:203:TYR:HE1	17	0.39
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	18	0.39
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	18	0.39
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	18	0.39
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	18	0.39
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	18	0.39
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	18	0.39
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	18	0.39
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	18	0.39
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	18	0.39
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	18	0.39
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG21	18	0.39
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	18	0.39
(1,591)	1:A:112:LEU:HD13	1:A:112:LEU:HA	11	0.39
(1,591)	1:A:112:LEU:HD22	1:A:112:LEU:HA	11	0.39
(1,591)	1:A:112:LEU:HD12	1:A:112:LEU:HA	11	0.39
(1,591)	1:A:112:LEU:HD11	1:A:112:LEU:HA	11	0.39
(1,591)	1:A:112:LEU:HD13	1:A:112:LEU:HA	19	0.39
(1,591)	1:A:112:LEU:HD22	1:A:112:LEU:HA	19	0.39
(1,591)	1:A:112:LEU:HD12	1:A:112:LEU:HA	19	0.39
(1,591)	1:A:112:LEU:HD11	1:A:112:LEU:HA	19	0.39
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	20	0.39
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	20	0.39
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	20	0.39
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	20	0.39
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	20	0.39
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	4	0.39
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	4	0.39
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	4	0.39
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	4	0.39
(1,263)	2:B:240:ASN:H	2:B:239:LEU:HD13	11	0.39
(1,263)	2:B:240:ASN:H	2:B:239:LEU:HD12	11	0.39
(1,263)	2:B:240:ASN:H	2:B:239:LEU:HD11	11	0.39
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	7	0.38
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE2	8	0.38
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE1	8	0.38
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE2	8	0.38
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE1	8	0.38
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE2	8	0.38
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE1	8	0.38
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD22	7	0.38
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD21	7	0.38
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD23	7	0.38
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD12	7	0.38
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD11	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD13	7	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD22	7	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD21	7	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD23	7	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD12	7	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD11	7	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD13	7	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD22	7	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD21	7	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD23	7	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD12	7	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD11	7	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD13	7	0.38
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD22	16	0.38
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD21	16	0.38
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD23	16	0.38
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD12	16	0.38
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD11	16	0.38
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD13	16	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD22	16	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD21	16	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD23	16	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD12	16	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD11	16	0.38
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD13	16	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD22	16	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD21	16	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD23	16	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD12	16	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD11	16	0.38
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD13	16	0.38
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	5	0.38
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	5	0.38
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	5	0.38
(1,744)	2:B:262:LEU:HD12	2:B:204:VAL:HA	8	0.38
(1,744)	2:B:262:LEU:HD11	2:B:204:VAL:HA	8	0.38
(1,744)	2:B:262:LEU:HD13	2:B:204:VAL:HA	8	0.38
(1,744)	2:B:262:LEU:HD22	2:B:204:VAL:HA	8	0.38
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD22	2	0.38
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD21	2	0.38
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD23	2	0.38
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD22	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD21	2	0.38
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD23	2	0.38
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD22	2	0.38
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD21	2	0.38
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD23	2	0.38
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD22	2	0.38
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD23	2	0.38
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD22	2	0.38
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD21	2	0.38
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD23	2	0.38
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD22	2	0.38
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD21	2	0.38
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD23	2	0.38
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	2	0.38
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	2	0.38
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	2	0.38
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	2	0.38
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	2	0.38
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	2	0.38
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	10	0.38
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	10	0.38
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	10	0.38
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	1	0.38
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	1	0.38
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	3	0.38
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	3	0.38
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	3	0.38
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	3	0.38
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	3	0.38
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	5	0.38
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	5	0.38
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	5	0.38
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	5	0.38
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	5	0.38
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	5	0.38
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	5	0.38
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	5	0.38
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	5	0.38
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	5	0.38
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	5	0.38
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	5	0.38
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	5	0.38
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	5	0.38
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	5	0.38
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	5	0.38
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	5	0.38
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	5	0.38
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	5	0.38
(1,1167)	2:B:263:ALA:H	2:B:262:LEU:HG	15	0.38
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	1	0.37
(1,806)	1:A:15:ILE:HD12	2:B:209:LEU:HD12	15	0.37
(1,806)	1:A:15:ILE:HD12	2:B:209:LEU:HD11	15	0.37
(1,806)	1:A:15:ILE:HD12	2:B:209:LEU:HD13	15	0.37
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD12	15	0.37
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD11	15	0.37
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD13	15	0.37
(1,806)	1:A:15:ILE:HD11	2:B:209:LEU:HD22	15	0.37
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD12	15	0.37
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD11	15	0.37
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD13	15	0.37
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD22	15	0.37
(1,806)	1:A:15:ILE:HD13	2:B:209:LEU:HD21	15	0.37
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG22	3	0.37
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG21	3	0.37
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG23	3	0.37
(1,800)	1:A:10:ILE:HD11	2:B:259:ILE:HG21	3	0.37
(1,800)	1:A:10:ILE:HD11	2:B:259:ILE:HG23	3	0.37
(1,800)	1:A:10:ILE:HD13	2:B:259:ILE:HG21	3	0.37
(1,800)	1:A:10:ILE:HD13	2:B:259:ILE:HG23	3	0.37
(1,746)	2:B:262:LEU:HD13	1:A:11:TYR:HE1	15	0.37
(1,746)	2:B:262:LEU:HD13	1:A:11:TYR:HE2	15	0.37
(1,746)	2:B:262:LEU:HD22	1:A:11:TYR:HE1	15	0.37
(1,746)	2:B:262:LEU:HD22	1:A:11:TYR:HE2	15	0.37
(1,746)	2:B:262:LEU:HD21	1:A:11:TYR:HE1	15	0.37
(1,746)	2:B:262:LEU:HD21	1:A:11:TYR:HE2	15	0.37
(1,746)	2:B:262:LEU:HD23	1:A:11:TYR:HE2	15	0.37
(1,746)	2:B:262:LEU:HD12	1:A:11:TYR:HE2	15	0.37
(1,746)	2:B:262:LEU:HD11	1:A:11:TYR:HE2	15	0.37
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	12	0.37
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	12	0.37
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	12	0.37
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	12	0.37
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	13	0.37
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	13	0.37
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	13	0.37
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	13	0.37
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	13	0.37
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	13	0.37
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	13	0.37
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	13	0.37
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	13	0.37
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	13	0.37
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG21	13	0.37
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	13	0.37
(1,621)	2:B:209:LEU:HD22	1:A:8:ALA:HA	16	0.37
(1,621)	2:B:209:LEU:HD21	1:A:8:ALA:HA	16	0.37
(1,621)	2:B:209:LEU:HD23	1:A:8:ALA:HA	16	0.37
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	8	0.37
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	8	0.37
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	8	0.37
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	8	0.37
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	8	0.37
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	8	0.37
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	4	0.37
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	4	0.37
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	4	0.37
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	4	0.37
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	4	0.37
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	8	0.37
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	8	0.37
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	8	0.37
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	8	0.37
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	8	0.37
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB2	9	0.37
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB3	9	0.37
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB2	9	0.37
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB3	9	0.37
(1,464)	1:A:28:ILE:HG23	1:A:9:CYS:HB2	9	0.37
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD12	16	0.37
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD11	16	0.37
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD13	16	0.37
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG22	16	0.37
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG21	16	0.37
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG23	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD22	16	0.37
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD21	16	0.37
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD23	16	0.37
(1,178)	2:B:211:ALA:H	2:B:209:LEU:HD11	16	0.37
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	6	0.37
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	6	0.37
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	6	0.37
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	15	0.37
(1,1003)	1:A:99:GLU:H	1:A:99:GLU:HA	19	0.37
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	16	0.36
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD21	16	0.36
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD23	16	0.36
(1,9)	1:A:11:TYR:H	2:B:209:LEU:HD22	16	0.36
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	16	0.36
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	16	0.36
(1,838)	2:B:201:MET:HE1	1:A:14:LEU:HB2	18	0.36
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB2	18	0.36
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB3	18	0.36
(1,838)	2:B:201:MET:HE2	1:A:14:LEU:HB2	18	0.36
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	12	0.36
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	12	0.36
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	12	0.36
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	12	0.36
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	12	0.36
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	12	0.36
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	12	0.36
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	12	0.36
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	12	0.36
(1,664)	2:B:227:LEU:HD12	2:B:203:TYR:HE2	6	0.36
(1,664)	2:B:227:LEU:HD11	2:B:203:TYR:HE2	6	0.36
(1,664)	2:B:227:LEU:HD13	2:B:203:TYR:HE2	6	0.36
(1,664)	2:B:227:LEU:HD22	2:B:203:TYR:HE2	6	0.36
(1,664)	2:B:227:LEU:HD21	2:B:203:TYR:HE2	6	0.36
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	20	0.36
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	20	0.36
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	20	0.36
(1,591)	1:A:112:LEU:HD13	1:A:112:LEU:HA	18	0.36
(1,591)	1:A:112:LEU:HD22	1:A:112:LEU:HA	18	0.36
(1,591)	1:A:112:LEU:HD12	1:A:112:LEU:HA	18	0.36
(1,591)	1:A:112:LEU:HD11	1:A:112:LEU:HA	18	0.36
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	7	0.36
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	7	0.36
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	7	0.36
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	7	0.36
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	7	0.36
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	19	0.36
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	19	0.36
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	19	0.36
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	19	0.36
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	19	0.36
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	19	0.36
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG23	11	0.36
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG22	11	0.36
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG21	11	0.36
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	13	0.36
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	13	0.36
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	13	0.36
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	13	0.36
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	13	0.36
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	19	0.36
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	19	0.36
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	19	0.36
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	19	0.36
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	19	0.36
(1,429)	1:A:15:ILE:HD12	2:B:205:ALA:HB3	4	0.36
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB2	4	0.36
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB1	4	0.36
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB3	4	0.36
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB2	4	0.36
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB1	4	0.36
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB3	4	0.36
(1,228)	2:B:225:LYS:H	2:B:226:ILE:HD12	11	0.36
(1,228)	2:B:225:LYS:H	2:B:226:ILE:HD11	11	0.36
(1,228)	2:B:225:LYS:H	2:B:226:ILE:HD13	11	0.36
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	12	0.36
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	16	0.36
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	19	0.36
(1,864)	2:B:255:ILE:HG22	1:A:7:LEU:HG	17	0.35
(1,864)	2:B:255:ILE:HG21	1:A:7:LEU:HG	17	0.35
(1,864)	2:B:255:ILE:HG23	1:A:7:LEU:HG	17	0.35
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	2	0.35
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	2	0.35
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	2	0.35
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	2	0.35
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	2	0.35
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	2	0.35
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	2	0.35
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	2	0.35
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	3	0.35
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	3	0.35
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	3	0.35
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	3	0.35
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	3	0.35
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	3	0.35
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	3	0.35
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	3	0.35
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	3	0.35
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	3	0.35
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	3	0.35
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB2	17	0.35
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB3	17	0.35
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	4	0.35
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	4	0.35
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	4	0.35
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD11	6	0.35
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD22	6	0.35
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD21	6	0.35
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD23	6	0.35
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD12	6	0.35
(1,1179)	2:B:271:VAL:H	2:B:271:VAL:HB	16	0.35
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	2	0.35
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	8	0.35
(1,1003)	1:A:99:GLU:H	1:A:99:GLU:HA	5	0.35
(1,864)	2:B:255:ILE:HG22	1:A:7:LEU:HG	19	0.34
(1,864)	2:B:255:ILE:HG21	1:A:7:LEU:HG	19	0.34
(1,864)	2:B:255:ILE:HG23	1:A:7:LEU:HG	19	0.34
(1,835)	1:A:1:MET:HE2	2:B:212:LEU:HB2	6	0.34
(1,835)	1:A:1:MET:HE1	2:B:212:LEU:HB2	6	0.34
(1,835)	1:A:1:MET:HE3	2:B:212:LEU:HB2	6	0.34
(1,835)	1:A:1:MET:HE3	2:B:212:LEU:HB3	6	0.34
(1,810)	1:A:16:LEU:HD12	2:B:230:VAL:HA	16	0.34
(1,810)	1:A:16:LEU:HD11	2:B:230:VAL:HA	16	0.34
(1,810)	1:A:16:LEU:HD13	2:B:230:VAL:HA	16	0.34
(1,810)	1:A:16:LEU:HD22	2:B:230:VAL:HA	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:A:16:LEU:HD21	2:B:230:VAL:HA	16	0.34
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	20	0.34
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	20	0.34
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	20	0.34
(1,741)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	6	0.34
(1,741)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	6	0.34
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	6	0.34
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	6	0.34
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	6	0.34
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	6	0.34
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	6	0.34
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	15	0.34
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	15	0.34
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	15	0.34
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	15	0.34
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	15	0.34
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	15	0.34
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	7	0.34
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	7	0.34
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	7	0.34
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	11	0.34
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	11	0.34
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	11	0.34
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	11	0.34
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	11	0.34
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	11	0.34
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	11	0.34
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	11	0.34
(1,612)	2:B:208:LEU:HD12	2:B:205:ALA:HA	4	0.34
(1,612)	2:B:208:LEU:HD11	2:B:205:ALA:HA	4	0.34
(1,612)	2:B:208:LEU:HD13	2:B:205:ALA:HA	4	0.34
(1,599)	1:A:55:ASN:HB2	1:A:56:ILE:HG22	15	0.34
(1,599)	1:A:55:ASN:HB2	1:A:56:ILE:HG21	15	0.34
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG22	15	0.34
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG21	15	0.34
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG23	15	0.34
(1,544)	1:A:59:LEU:HD12	1:A:59:LEU:HA	20	0.34
(1,544)	1:A:59:LEU:HD13	1:A:59:LEU:HA	20	0.34
(1,544)	1:A:59:LEU:HD22	1:A:59:LEU:HA	20	0.34
(1,544)	1:A:59:LEU:HD21	1:A:59:LEU:HA	20	0.34
(1,544)	1:A:59:LEU:HD23	1:A:59:LEU:HA	20	0.34
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	6	0.34
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	6	0.34
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	6	0.34
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	6	0.34
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	6	0.34
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	13	0.34
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	13	0.34
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	13	0.34
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	13	0.34
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	13	0.34
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	13	0.34
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	13	0.34
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	13	0.34
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	13	0.34
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	13	0.34
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	13	0.34
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	13	0.34
(1,422)	1:A:14:LEU:HD22	1:A:11:TYR:HA	19	0.34
(1,422)	1:A:14:LEU:HD21	1:A:11:TYR:HA	19	0.34
(1,422)	1:A:14:LEU:HD23	1:A:11:TYR:HA	19	0.34
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	7	0.34
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	7	0.34
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	7	0.34
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	7	0.34
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	3	0.34
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	3	0.34
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	3	0.34
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	3	0.34
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	3	0.34
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	3	0.34
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB2	1	0.34
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB3	1	0.34
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HG3	1	0.34
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD22	18	0.34
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD21	18	0.34
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD23	18	0.34
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	18	0.34
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	18	0.34
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	1	0.34
(1,1003)	1:A:99:GLU:H	1:A:99:GLU:HA	8	0.34
(1,1003)	1:A:99:GLU:H	1:A:99:GLU:HA	15	0.34
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	13	0.33
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	13	0.33
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	13	0.33
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	13	0.33
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	13	0.33
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	13	0.33
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	13	0.33
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	13	0.33
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	13	0.33
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	13	0.33
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	13	0.33
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	13	0.33
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	13	0.33
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	18	0.33
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	18	0.33
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	18	0.33
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	18	0.33
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	18	0.33
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	18	0.33
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	18	0.33
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	18	0.33
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	18	0.33
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	18	0.33
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	18	0.33
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	18	0.33
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	18	0.33
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	18	0.33
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG22	20	0.33
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG21	20	0.33
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG23	20	0.33
(1,800)	1:A:10:ILE:HD11	2:B:259:ILE:HG21	20	0.33
(1,800)	1:A:10:ILE:HD11	2:B:259:ILE:HG23	20	0.33
(1,800)	1:A:10:ILE:HD13	2:B:259:ILE:HG21	20	0.33
(1,800)	1:A:10:ILE:HD13	2:B:259:ILE:HG23	20	0.33
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	4	0.33
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	4	0.33
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	4	0.33
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	4	0.33
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	4	0.33
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	4	0.33
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	4	0.33
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	4	0.33
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	4	0.33
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	4	0.33
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	4	0.33
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	4	0.33
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	4	0.33
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	4	0.33
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	11	0.33
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	11	0.33
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	11	0.33
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB2	9	0.33
(1,696)	2:B:242:VAL:HG12	2:B:203:TYR:HB3	9	0.33
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB2	9	0.33
(1,696)	2:B:242:VAL:HG11	2:B:203:TYR:HB3	9	0.33
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB2	9	0.33
(1,696)	2:B:242:VAL:HG13	2:B:203:TYR:HB3	9	0.33
(1,668)	2:B:230:VAL:HG12	1:A:27:LYS:HB2	6	0.33
(1,668)	2:B:230:VAL:HG11	1:A:27:LYS:HB2	6	0.33
(1,668)	2:B:230:VAL:HG11	1:A:27:LYS:HB3	6	0.33
(1,668)	2:B:230:VAL:HG11	1:A:31:LEU:HB2	6	0.33
(1,668)	2:B:230:VAL:HG13	1:A:27:LYS:HB2	6	0.33
(1,668)	2:B:230:VAL:HG13	1:A:27:LYS:HB3	6	0.33
(1,668)	2:B:230:VAL:HG13	1:A:31:LEU:HB2	6	0.33
(1,668)	2:B:230:VAL:HG13	1:A:31:LEU:HB3	6	0.33
(1,668)	2:B:230:VAL:HG22	1:A:27:LYS:HB2	6	0.33
(1,668)	2:B:230:VAL:HG22	1:A:31:LEU:HB2	6	0.33
(1,668)	2:B:230:VAL:HG22	1:A:31:LEU:HB3	6	0.33
(1,668)	2:B:230:VAL:HG21	1:A:27:LYS:HB2	6	0.33
(1,668)	2:B:230:VAL:HG21	1:A:31:LEU:HB2	6	0.33
(1,668)	2:B:230:VAL:HG21	1:A:31:LEU:HB3	6	0.33
(1,668)	2:B:230:VAL:HG23	1:A:27:LYS:HB2	6	0.33
(1,668)	2:B:230:VAL:HG23	1:A:31:LEU:HB2	6	0.33
(1,668)	2:B:230:VAL:HG23	1:A:31:LEU:HB3	6	0.33
(1,629)	2:B:210:ALA:HB2	2:B:218:PRO:HA	1	0.33
(1,629)	2:B:210:ALA:HB1	2:B:218:PRO:HA	1	0.33
(1,629)	2:B:210:ALA:HB3	2:B:218:PRO:HA	1	0.33
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	7	0.33
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	7	0.33
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	7	0.33
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	7	0.33
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	7	0.33
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	9	0.33
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	9	0.33
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	9	0.33
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	9	0.33
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	9	0.33
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	9	0.33
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	9	0.33
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	9	0.33
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	18	0.33
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	18	0.33
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	18	0.33
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG22	18	0.33
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG21	18	0.33
(1,193)	2:B:214:GLY:H	1:A:37:VAL:HG23	18	0.33
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD12	7	0.33
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD11	7	0.33
(1,178)	2:B:211:ALA:H	1:A:15:ILE:HD13	7	0.33
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG22	7	0.33
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG21	7	0.33
(1,178)	2:B:211:ALA:H	1:A:37:VAL:HG23	7	0.33
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD22	7	0.33
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD21	7	0.33
(1,178)	2:B:211:ALA:H	2:B:208:LEU:HD23	7	0.33
(1,178)	2:B:211:ALA:H	2:B:209:LEU:HD11	7	0.33
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD12	15	0.33
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD11	15	0.33
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD13	15	0.33
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	16	0.33
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	16	0.33
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	8	0.33
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	18	0.33
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	10	0.33
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	11	0.32
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	11	0.32
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	11	0.32
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	11	0.32
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE2	13	0.32
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE1	13	0.32
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE2	13	0.32
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE1	13	0.32
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE2	13	0.32
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE1	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB2	13	0.32
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	13	0.32
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB2	13	0.32
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	13	0.32
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB2	13	0.32
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	13	0.32
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	5	0.32
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	5	0.32
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	5	0.32
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	5	0.32
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	5	0.32
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	9	0.32
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	9	0.32
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	9	0.32
(1,516)	1:A:46:LEU:HD12	1:A:42:PHE:HE2	3	0.32
(1,516)	1:A:46:LEU:HD11	1:A:42:PHE:HE2	3	0.32
(1,516)	1:A:46:LEU:HD13	1:A:42:PHE:HE2	3	0.32
(1,516)	1:A:46:LEU:HD22	1:A:42:PHE:HE2	3	0.32
(1,516)	1:A:46:LEU:HD21	1:A:42:PHE:HE1	3	0.32
(1,516)	1:A:46:LEU:HD21	1:A:42:PHE:HE2	3	0.32
(1,516)	1:A:46:LEU:HD23	1:A:42:PHE:HE1	3	0.32
(1,516)	1:A:46:LEU:HD23	1:A:42:PHE:HE2	3	0.32
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	10	0.32
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	10	0.32
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	10	0.32
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	10	0.32
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	10	0.32
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	10	0.32
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	10	0.32
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	10	0.32
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	2	0.32
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	2	0.32
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	2	0.32
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	2	0.32
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	2	0.32
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	12	0.32
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	12	0.32
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	12	0.32
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	12	0.32
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	12	0.32
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	7	0.32
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	7	0.32
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	7	0.32
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	15	0.32
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	15	0.32
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	15	0.32
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	5	0.32
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	5	0.32
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	5	0.32
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	5	0.32
(1,417)	1:A:13:ALA:HB2	1:A:51:LEU:HD11	17	0.32
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD12	17	0.32
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD13	17	0.32
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD21	17	0.32
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD22	17	0.32
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD23	17	0.32
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	10	0.32
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	10	0.32
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	5	0.32
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	11	0.32
(1,1003)	1:A:99:GLU:H	1:A:99:GLU:HA	18	0.32
(1,993)	1:A:86:ALA:H	1:A:86:ALA:HA	18	0.31
(1,864)	2:B:255:ILE:HG22	1:A:7:LEU:HG	16	0.31
(1,864)	2:B:255:ILE:HG21	1:A:7:LEU:HG	16	0.31
(1,864)	2:B:255:ILE:HG23	1:A:7:LEU:HG	16	0.31
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	13	0.31
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	13	0.31
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	13	0.31
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	13	0.31
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	3	0.31
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	3	0.31
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	3	0.31
(1,765)	2:B:311:PHE:HA	2:B:311:PHE:HD2	1	0.31
(1,765)	2:B:311:PHE:HA	2:B:311:PHE:HD1	1	0.31
(1,744)	2:B:262:LEU:HD12	2:B:204:VAL:HA	3	0.31
(1,744)	2:B:262:LEU:HD11	2:B:204:VAL:HA	3	0.31
(1,744)	2:B:262:LEU:HD13	2:B:204:VAL:HA	3	0.31
(1,744)	2:B:262:LEU:HD22	2:B:204:VAL:HA	3	0.31
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	13	0.31
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	13	0.31
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	13	0.31
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	13	0.31
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	18	0.31
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	18	0.31
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	18	0.31
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	18	0.31
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	18	0.31
(1,709)	2:B:243:ILE:HG22	2:B:247:ASN:HA	11	0.31
(1,709)	2:B:243:ILE:HG21	2:B:247:ASN:HA	11	0.31
(1,709)	2:B:243:ILE:HG22	2:B:247:ASN:HA	17	0.31
(1,709)	2:B:243:ILE:HG21	2:B:247:ASN:HA	17	0.31
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	6	0.31
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	6	0.31
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	11	0.31
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	11	0.31
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	17	0.31
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	17	0.31
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	17	0.31
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	5	0.31
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	5	0.31
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	16	0.31
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	16	0.31
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	16	0.31
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	16	0.31
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	16	0.31
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	16	0.31
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	3	0.31
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	3	0.31
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	3	0.31
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	3	0.31
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	3	0.31
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	3	0.31
(1,419)	1:A:14:LEU:HA	2:B:262:LEU:HB2	20	0.31
(1,419)	1:A:14:LEU:HA	2:B:262:LEU:HB3	20	0.31
(1,417)	1:A:13:ALA:HB2	1:A:51:LEU:HD11	10	0.31
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD12	10	0.31
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD13	10	0.31
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD21	10	0.31
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD22	10	0.31
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD23	10	0.31
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	13	0.31
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	13	0.31
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	13	0.31
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	13	0.31
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	13	0.31
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	3	0.31
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	3	0.31
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	3	0.31
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	10	0.31
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	2	0.31
(1,1003)	1:A:99:GLU:H	1:A:99:GLU:HA	14	0.31
(1,1003)	1:A:99:GLU:H	1:A:99:GLU:HA	17	0.31
(1,993)	1:A:86:ALA:H	1:A:86:ALA:HA	17	0.3
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	11	0.3
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	10	0.3
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	10	0.3
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	10	0.3
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	10	0.3
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	10	0.3
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	10	0.3
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	10	0.3
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	10	0.3
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	10	0.3
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	10	0.3
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	10	0.3
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	10	0.3
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	10	0.3
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	10	0.3
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	11	0.3
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	11	0.3
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	11	0.3
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	11	0.3
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	11	0.3
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD22	5	0.3
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD21	5	0.3
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD23	5	0.3
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD22	5	0.3
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD21	5	0.3
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD23	5	0.3
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD22	5	0.3
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD21	5	0.3
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD23	5	0.3
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD22	5	0.3
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD23	5	0.3
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD22	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD21	5	0.3
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD23	5	0.3
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD22	5	0.3
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD21	5	0.3
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD23	5	0.3
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	11	0.3
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	11	0.3
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	11	0.3
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	11	0.3
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	11	0.3
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB2	13	0.3
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB3	13	0.3
(1,710)	2:B:243:ILE:HG21	2:B:247:ASN:HB2	13	0.3
(1,710)	2:B:243:ILE:HG23	2:B:247:ASN:HB2	13	0.3
(1,685)	2:B:239:LEU:HD12	2:B:239:LEU:HA	9	0.3
(1,685)	2:B:239:LEU:HD22	2:B:239:LEU:HA	9	0.3
(1,685)	2:B:239:LEU:HD21	2:B:239:LEU:HA	9	0.3
(1,685)	2:B:239:LEU:HD23	2:B:239:LEU:HA	9	0.3
(1,668)	2:B:230:VAL:HG12	1:A:27:LYS:HB2	11	0.3
(1,668)	2:B:230:VAL:HG11	1:A:27:LYS:HB2	11	0.3
(1,668)	2:B:230:VAL:HG11	1:A:27:LYS:HB3	11	0.3
(1,668)	2:B:230:VAL:HG11	1:A:31:LEU:HB2	11	0.3
(1,668)	2:B:230:VAL:HG13	1:A:27:LYS:HB2	11	0.3
(1,668)	2:B:230:VAL:HG13	1:A:27:LYS:HB3	11	0.3
(1,668)	2:B:230:VAL:HG13	1:A:31:LEU:HB2	11	0.3
(1,668)	2:B:230:VAL:HG13	1:A:31:LEU:HB3	11	0.3
(1,668)	2:B:230:VAL:HG22	1:A:27:LYS:HB2	11	0.3
(1,668)	2:B:230:VAL:HG22	1:A:31:LEU:HB2	11	0.3
(1,668)	2:B:230:VAL:HG22	1:A:31:LEU:HB3	11	0.3
(1,668)	2:B:230:VAL:HG21	1:A:27:LYS:HB2	11	0.3
(1,668)	2:B:230:VAL:HG21	1:A:31:LEU:HB2	11	0.3
(1,668)	2:B:230:VAL:HG21	1:A:31:LEU:HB3	11	0.3
(1,668)	2:B:230:VAL:HG23	1:A:27:LYS:HB2	11	0.3
(1,668)	2:B:230:VAL:HG23	1:A:31:LEU:HB2	11	0.3
(1,668)	2:B:230:VAL:HG23	1:A:31:LEU:HB3	11	0.3
(1,668)	2:B:230:VAL:HG12	1:A:27:LYS:HB2	18	0.3
(1,668)	2:B:230:VAL:HG11	1:A:27:LYS:HB2	18	0.3
(1,668)	2:B:230:VAL:HG11	1:A:27:LYS:HB3	18	0.3
(1,668)	2:B:230:VAL:HG11	1:A:31:LEU:HB2	18	0.3
(1,668)	2:B:230:VAL:HG13	1:A:27:LYS:HB2	18	0.3
(1,668)	2:B:230:VAL:HG13	1:A:27:LYS:HB3	18	0.3
(1,668)	2:B:230:VAL:HG13	1:A:31:LEU:HB2	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	2:B:230:VAL:HG13	1:A:31:LEU:HB3	18	0.3
(1,668)	2:B:230:VAL:HG22	1:A:27:LYS:HB2	18	0.3
(1,668)	2:B:230:VAL:HG22	1:A:31:LEU:HB2	18	0.3
(1,668)	2:B:230:VAL:HG22	1:A:31:LEU:HB3	18	0.3
(1,668)	2:B:230:VAL:HG21	1:A:27:LYS:HB2	18	0.3
(1,668)	2:B:230:VAL:HG21	1:A:31:LEU:HB2	18	0.3
(1,668)	2:B:230:VAL:HG21	1:A:31:LEU:HB3	18	0.3
(1,668)	2:B:230:VAL:HG23	1:A:27:LYS:HB2	18	0.3
(1,668)	2:B:230:VAL:HG23	1:A:31:LEU:HB2	18	0.3
(1,668)	2:B:230:VAL:HG23	1:A:31:LEU:HB3	18	0.3
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	16	0.3
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	16	0.3
(1,629)	2:B:210:ALA:HB2	2:B:218:PRO:HA	6	0.3
(1,629)	2:B:210:ALA:HB1	2:B:218:PRO:HA	6	0.3
(1,629)	2:B:210:ALA:HB3	2:B:218:PRO:HA	6	0.3
(1,601)	2:B:212:LEU:HD12	2:B:212:LEU:HA	1	0.3
(1,601)	2:B:212:LEU:HD11	2:B:212:LEU:HA	1	0.3
(1,601)	2:B:212:LEU:HD13	2:B:212:LEU:HA	1	0.3
(1,601)	2:B:212:LEU:HD23	2:B:212:LEU:HA	1	0.3
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG21	9	0.3
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG23	9	0.3
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG22	9	0.3
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	13	0.3
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	13	0.3
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	16	0.3
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	16	0.3
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	16	0.3
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	16	0.3
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	16	0.3
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	16	0.3
(1,544)	1:A:59:LEU:HD12	1:A:59:LEU:HA	12	0.3
(1,544)	1:A:59:LEU:HD13	1:A:59:LEU:HA	12	0.3
(1,544)	1:A:59:LEU:HD22	1:A:59:LEU:HA	12	0.3
(1,544)	1:A:59:LEU:HD21	1:A:59:LEU:HA	12	0.3
(1,544)	1:A:59:LEU:HD23	1:A:59:LEU:HA	12	0.3
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	17	0.3
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	17	0.3
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	17	0.3
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	17	0.3
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	17	0.3
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	17	0.3
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG23	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG22	7	0.3
(1,524)	1:A:52:ALA:HA	1:A:23:VAL:HG21	7	0.3
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	17	0.3
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	17	0.3
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	17	0.3
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	17	0.3
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	17	0.3
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	17	0.3
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	17	0.3
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	17	0.3
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	19	0.3
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	19	0.3
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	19	0.3
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	15	0.3
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	15	0.3
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	15	0.3
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	15	0.3
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	15	0.3
(1,497)	1:A:39:VAL:HG22	1:A:40:GLU:HG3	20	0.3
(1,497)	1:A:39:VAL:HG21	1:A:40:GLU:HG3	20	0.3
(1,497)	1:A:39:VAL:HG23	1:A:40:GLU:HG3	20	0.3
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG2	20	0.3
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG3	20	0.3
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG2	20	0.3
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG3	20	0.3
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG2	20	0.3
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG3	20	0.3
(1,429)	1:A:15:ILE:HD12	2:B:205:ALA:HB3	12	0.3
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB2	12	0.3
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB1	12	0.3
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB3	12	0.3
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB2	12	0.3
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB1	12	0.3
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB3	12	0.3
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	5	0.3
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	5	0.3
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	5	0.3
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	13	0.3
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	13	0.3
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	13	0.3
(1,251)	2:B:234:ALA:H	2:B:227:LEU:HD12	20	0.3
(1,251)	2:B:234:ALA:H	2:B:227:LEU:HD11	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	2:B:234:ALA:H	2:B:227:LEU:HD22	20	0.3
(1,251)	2:B:234:ALA:H	2:B:227:LEU:HD21	20	0.3
(1,251)	2:B:234:ALA:H	2:B:227:LEU:HD23	20	0.3
(1,234)	2:B:228:ASP:H	1:A:31:LEU:HD22	19	0.3
(1,234)	2:B:228:ASP:H	1:A:31:LEU:HD21	19	0.3
(1,234)	2:B:228:ASP:H	1:A:31:LEU:HD23	19	0.3
(1,234)	2:B:228:ASP:H	1:A:31:LEU:HD12	19	0.3
(1,234)	2:B:228:ASP:H	2:B:223:ILE:HD12	19	0.3
(1,234)	2:B:228:ASP:H	2:B:223:ILE:HD11	19	0.3
(1,234)	2:B:228:ASP:H	2:B:223:ILE:HD13	19	0.3
(1,234)	2:B:228:ASP:H	2:B:230:VAL:HG22	19	0.3
(1,234)	2:B:228:ASP:H	2:B:230:VAL:HG21	19	0.3
(1,234)	2:B:228:ASP:H	2:B:230:VAL:HG23	19	0.3
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB2	6	0.3
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB1	6	0.3
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB3	6	0.3
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	7	0.3
(1,1185)	2:B:272:ALA:H	2:B:271:VAL:HB	1	0.3
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	15	0.3
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	15	0.3
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	15	0.3
(1,1031)	2:B:206:SER:H	2:B:223:ILE:HG12	6	0.3
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	19	0.29
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	11	0.29
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	7	0.29
(1,864)	2:B:255:ILE:HG22	1:A:7:LEU:HG	14	0.29
(1,864)	2:B:255:ILE:HG21	1:A:7:LEU:HG	14	0.29
(1,864)	2:B:255:ILE:HG23	1:A:7:LEU:HG	14	0.29
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE2	7	0.29
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE1	7	0.29
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE2	7	0.29
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE1	7	0.29
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE2	7	0.29
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE1	7	0.29
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	1	0.29
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	1	0.29
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	1	0.29
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	1	0.29
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	1	0.29
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	1	0.29
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	1	0.29
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	1	0.29
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	1	0.29
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	1	0.29
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	1	0.29
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	1	0.29
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	1	0.29
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	8	0.29
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	8	0.29
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	8	0.29
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	8	0.29
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	8	0.29
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	8	0.29
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	8	0.29
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	8	0.29
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	8	0.29
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	8	0.29
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	8	0.29
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	8	0.29
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	8	0.29
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	8	0.29
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	20	0.29
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	20	0.29
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	20	0.29
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	13	0.29
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	13	0.29
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	13	0.29
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	6	0.29
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	6	0.29
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	6	0.29
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	6	0.29
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	6	0.29
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	17	0.29
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	17	0.29
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	17	0.29
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	17	0.29
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	17	0.29
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	20	0.29
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	20	0.29
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	20	0.29
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	20	0.29
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	20	0.29
(1,736)	2:B:254:VAL:HG22	2:B:254:VAL:HA	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	2:B:254:VAL:HG21	2:B:254:VAL:HA	8	0.29
(1,736)	2:B:254:VAL:HG23	2:B:254:VAL:HA	8	0.29
(1,736)	2:B:254:VAL:HG22	2:B:254:VAL:HA	11	0.29
(1,736)	2:B:254:VAL:HG21	2:B:254:VAL:HA	11	0.29
(1,736)	2:B:254:VAL:HG23	2:B:254:VAL:HA	11	0.29
(1,736)	2:B:254:VAL:HG22	2:B:254:VAL:HA	15	0.29
(1,736)	2:B:254:VAL:HG21	2:B:254:VAL:HA	15	0.29
(1,736)	2:B:254:VAL:HG23	2:B:254:VAL:HA	15	0.29
(1,736)	2:B:254:VAL:HG22	2:B:254:VAL:HA	16	0.29
(1,736)	2:B:254:VAL:HG21	2:B:254:VAL:HA	16	0.29
(1,736)	2:B:254:VAL:HG23	2:B:254:VAL:HA	16	0.29
(1,736)	2:B:254:VAL:HG22	2:B:254:VAL:HA	19	0.29
(1,736)	2:B:254:VAL:HG21	2:B:254:VAL:HA	19	0.29
(1,736)	2:B:254:VAL:HG23	2:B:254:VAL:HA	19	0.29
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	9	0.29
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	9	0.29
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	9	0.29
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	8	0.29
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	8	0.29
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	8	0.29
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	8	0.29
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	8	0.29
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	8	0.29
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	8	0.29
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	8	0.29
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	8	0.29
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE2	12	0.29
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE3	12	0.29
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE2	12	0.29
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE3	12	0.29
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE2	12	0.29
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE3	12	0.29
(1,687)	2:B:239:LEU:HD13	2:B:224:LYS:HE3	12	0.29
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE2	12	0.29
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE3	12	0.29
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	1	0.29
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	1	0.29
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	1	0.29
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	11	0.29
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	11	0.29
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	11	0.29
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	11	0.29
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	11	0.29
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	11	0.29
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	11	0.29
(1,591)	1:A:112:LEU:HD13	1:A:112:LEU:HA	10	0.29
(1,591)	1:A:112:LEU:HD22	1:A:112:LEU:HA	10	0.29
(1,591)	1:A:112:LEU:HD12	1:A:112:LEU:HA	10	0.29
(1,591)	1:A:112:LEU:HD11	1:A:112:LEU:HA	10	0.29
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	7	0.29
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	7	0.29
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	1	0.29
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	1	0.29
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	2	0.29
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	2	0.29
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	6	0.29
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	6	0.29
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	14	0.29
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	14	0.29
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	16	0.29
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	16	0.29
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	15	0.29
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	15	0.29
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	17	0.29
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	17	0.29
(1,544)	1:A:59:LEU:HD12	1:A:59:LEU:HA	6	0.29
(1,544)	1:A:59:LEU:HD13	1:A:59:LEU:HA	6	0.29
(1,544)	1:A:59:LEU:HD22	1:A:59:LEU:HA	6	0.29
(1,544)	1:A:59:LEU:HD21	1:A:59:LEU:HA	6	0.29
(1,544)	1:A:59:LEU:HD23	1:A:59:LEU:HA	6	0.29
(1,544)	1:A:59:LEU:HD12	1:A:59:LEU:HA	19	0.29
(1,544)	1:A:59:LEU:HD13	1:A:59:LEU:HA	19	0.29
(1,544)	1:A:59:LEU:HD22	1:A:59:LEU:HA	19	0.29
(1,544)	1:A:59:LEU:HD21	1:A:59:LEU:HA	19	0.29
(1,544)	1:A:59:LEU:HD23	1:A:59:LEU:HA	19	0.29
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB2	9	0.29
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB3	9	0.29
(1,500)	1:A:39:VAL:HG12	1:A:5:SER:HB3	14	0.29
(1,500)	1:A:39:VAL:HG11	1:A:5:SER:HB2	14	0.29
(1,500)	1:A:39:VAL:HG11	1:A:5:SER:HB3	14	0.29
(1,500)	1:A:39:VAL:HG13	1:A:5:SER:HB2	14	0.29
(1,500)	1:A:39:VAL:HG13	1:A:5:SER:HB3	14	0.29
(1,500)	1:A:39:VAL:HG22	1:A:5:SER:HB3	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:A:39:VAL:HG21	1:A:5:SER:HB3	14	0.29
(1,500)	1:A:39:VAL:HG23	1:A:5:SER:HB3	14	0.29
(1,490)	1:A:37:VAL:HG11	2:B:214:GLY:HA3	7	0.29
(1,490)	1:A:37:VAL:HG13	2:B:214:GLY:HA3	7	0.29
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA2	7	0.29
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA3	7	0.29
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA2	7	0.29
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA3	7	0.29
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA2	7	0.29
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA3	7	0.29
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	11	0.29
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	11	0.29
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	9	0.29
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	9	0.29
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	9	0.29
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD22	7	0.29
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD21	7	0.29
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD23	7	0.29
(1,308)	2:B:258:GLY:H	2:B:259:ILE:HD11	20	0.29
(1,308)	2:B:258:GLY:H	2:B:259:ILE:HD13	20	0.29
(1,308)	2:B:258:GLY:H	2:B:259:ILE:HD12	20	0.29
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	18	0.29
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	18	0.29
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	3	0.29
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	13	0.29
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	1	0.29
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	12	0.29
(1,1006)	1:A:102:GLU:H	1:A:101:SER:HA	15	0.29
(1,1003)	1:A:99:GLU:H	1:A:99:GLU:HA	6	0.29
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	6	0.28
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	19	0.28
(1,935)	1:A:39:VAL:H	1:A:38:ASN:H	20	0.28
(1,864)	2:B:255:ILE:HG22	1:A:7:LEU:HG	13	0.28
(1,864)	2:B:255:ILE:HG21	1:A:7:LEU:HG	13	0.28
(1,864)	2:B:255:ILE:HG23	1:A:7:LEU:HG	13	0.28
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	3	0.28
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	3	0.28
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	13	0.28
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	13	0.28
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	13	0.28
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	13	0.28
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	13	0.28
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	13	0.28
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	13	0.28
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	14	0.28
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	14	0.28
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	14	0.28
(1,745)	2:B:262:LEU:HD12	2:B:262:LEU:HA	3	0.28
(1,745)	2:B:262:LEU:HD22	2:B:262:LEU:HA	3	0.28
(1,745)	2:B:262:LEU:HD21	2:B:262:LEU:HA	3	0.28
(1,745)	2:B:262:LEU:HD23	2:B:262:LEU:HA	3	0.28
(1,736)	2:B:254:VAL:HG22	2:B:254:VAL:HA	3	0.28
(1,736)	2:B:254:VAL:HG21	2:B:254:VAL:HA	3	0.28
(1,736)	2:B:254:VAL:HG23	2:B:254:VAL:HA	3	0.28
(1,736)	2:B:254:VAL:HG22	2:B:254:VAL:HA	18	0.28
(1,736)	2:B:254:VAL:HG21	2:B:254:VAL:HA	18	0.28
(1,736)	2:B:254:VAL:HG23	2:B:254:VAL:HA	18	0.28
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	19	0.28
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	19	0.28
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	19	0.28
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	19	0.28
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	19	0.28
(1,709)	2:B:243:ILE:HG22	2:B:247:ASN:HA	20	0.28
(1,709)	2:B:243:ILE:HG21	2:B:247:ASN:HA	20	0.28
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	9	0.28
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	9	0.28
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	9	0.28
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	9	0.28
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	6	0.28
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	6	0.28
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	6	0.28
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	6	0.28
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	6	0.28
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	6	0.28
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	6	0.28
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	6	0.28
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	6	0.28
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE2	6	0.28
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE3	6	0.28
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE2	6	0.28
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE3	6	0.28
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE2	6	0.28
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE3	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	2:B:239:LEU:HD13	2:B:224:LYS:HE3	6	0.28
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE2	6	0.28
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE3	6	0.28
(1,685)	2:B:239:LEU:HD12	2:B:239:LEU:HA	14	0.28
(1,685)	2:B:239:LEU:HD22	2:B:239:LEU:HA	14	0.28
(1,685)	2:B:239:LEU:HD21	2:B:239:LEU:HA	14	0.28
(1,685)	2:B:239:LEU:HD23	2:B:239:LEU:HA	14	0.28
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	15	0.28
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	15	0.28
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	15	0.28
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HD1	7	0.28
(1,602)	2:B:212:LEU:HD12	1:A:11:TYR:HE1	7	0.28
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HD1	7	0.28
(1,602)	2:B:212:LEU:HD11	1:A:11:TYR:HE1	7	0.28
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HD1	7	0.28
(1,602)	2:B:212:LEU:HD13	1:A:11:TYR:HE1	7	0.28
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD1	7	0.28
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HD2	7	0.28
(1,602)	2:B:212:LEU:HD22	1:A:11:TYR:HE1	7	0.28
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD1	7	0.28
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HD2	7	0.28
(1,602)	2:B:212:LEU:HD21	1:A:11:TYR:HE1	7	0.28
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD1	7	0.28
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HD2	7	0.28
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE1	7	0.28
(1,602)	2:B:212:LEU:HD23	1:A:11:TYR:HE2	7	0.28
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	1	0.28
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	1	0.28
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	7	0.28
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	7	0.28
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	9	0.28
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	9	0.28
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	3	0.28
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	3	0.28
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	11	0.28
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	11	0.28
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	16	0.28
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	16	0.28
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	16	0.28
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	16	0.28
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	16	0.28
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	16	0.28
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	16	0.28
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	16	0.28
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	19	0.28
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	19	0.28
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	19	0.28
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	19	0.28
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	19	0.28
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	19	0.28
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	19	0.28
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	19	0.28
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	19	0.28
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	3	0.28
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	3	0.28
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	3	0.28
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	3	0.28
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	3	0.28
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	3	0.28
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	5	0.28
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	5	0.28
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	5	0.28
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	5	0.28
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	5	0.28
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	5	0.28
(1,497)	1:A:39:VAL:HG22	1:A:40:GLU:HG3	8	0.28
(1,497)	1:A:39:VAL:HG21	1:A:40:GLU:HG3	8	0.28
(1,497)	1:A:39:VAL:HG23	1:A:40:GLU:HG3	8	0.28
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG2	8	0.28
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG3	8	0.28
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG2	8	0.28
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG3	8	0.28
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG2	8	0.28
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG3	8	0.28
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG23	7	0.28
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HD12	7	0.28
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG22	7	0.28
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG21	7	0.28
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	4	0.28
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	4	0.28
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	14	0.28
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	14	0.28
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:A:14:LEU:HA	2:B:262:LEU:HB2	16	0.28
(1,419)	1:A:14:LEU:HA	2:B:262:LEU:HB3	16	0.28
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG22	2	0.28
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG21	2	0.28
(1,319)	2:B:264:SER:H	2:B:259:ILE:HG23	2	0.28
(1,319)	2:B:264:SER:H	2:B:262:LEU:HD13	2	0.28
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD22	2	0.28
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD21	2	0.28
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD23	2	0.28
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD12	2	0.28
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD11	2	0.28
(1,319)	2:B:264:SER:H	1:A:14:LEU:HD13	2	0.28
(1,308)	2:B:258:GLY:H	2:B:259:ILE:HD11	3	0.28
(1,308)	2:B:258:GLY:H	2:B:259:ILE:HD13	3	0.28
(1,308)	2:B:258:GLY:H	2:B:259:ILE:HD12	3	0.28
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD12	13	0.28
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD11	13	0.28
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD13	13	0.28
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	17	0.28
(1,1031)	2:B:206:SER:H	2:B:223:ILE:HG12	2	0.28
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	6	0.28
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	8	0.28
(1,838)	2:B:201:MET:HE1	1:A:14:LEU:HB2	2	0.27
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB2	2	0.27
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB3	2	0.27
(1,838)	2:B:201:MET:HE2	1:A:14:LEU:HB2	2	0.27
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	15	0.27
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	15	0.27
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	3	0.27
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	3	0.27
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	3	0.27
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	3	0.27
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	3	0.27
(1,736)	2:B:254:VAL:HG22	2:B:254:VAL:HA	14	0.27
(1,736)	2:B:254:VAL:HG21	2:B:254:VAL:HA	14	0.27
(1,736)	2:B:254:VAL:HG23	2:B:254:VAL:HA	14	0.27
(1,736)	2:B:254:VAL:HG22	2:B:254:VAL:HA	20	0.27
(1,736)	2:B:254:VAL:HG21	2:B:254:VAL:HA	20	0.27
(1,736)	2:B:254:VAL:HG23	2:B:254:VAL:HA	20	0.27
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	1	0.27
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	1	0.27
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	13	0.27
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	13	0.27
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	13	0.27
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	13	0.27
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	13	0.27
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	5	0.27
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	5	0.27
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	5	0.27
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	18	0.27
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	18	0.27
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	18	0.27
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	19	0.27
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	19	0.27
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	19	0.27
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	19	0.27
(1,685)	2:B:239:LEU:HD12	2:B:239:LEU:HA	1	0.27
(1,685)	2:B:239:LEU:HD22	2:B:239:LEU:HA	1	0.27
(1,685)	2:B:239:LEU:HD21	2:B:239:LEU:HA	1	0.27
(1,685)	2:B:239:LEU:HD23	2:B:239:LEU:HA	1	0.27
(1,672)	2:B:232:ILE:HD12	2:B:232:ILE:HB	8	0.27
(1,672)	2:B:232:ILE:HD11	2:B:232:ILE:HB	8	0.27
(1,672)	2:B:232:ILE:HD13	2:B:232:ILE:HB	8	0.27
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	19	0.27
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	19	0.27
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	19	0.27
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	6	0.27
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	6	0.27
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	18	0.27
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	18	0.27
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	18	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	1	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	1	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	1	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	1	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	1	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	1	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	1	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	1	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	1	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	1	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	6	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	6	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	6	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	6	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	6	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	6	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	6	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	6	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	6	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	10	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	10	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	10	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	10	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	10	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	10	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	10	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	10	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	10	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	10	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	12	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	12	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	12	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	12	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	12	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	12	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	12	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	12	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	12	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	12	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	13	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	13	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	13	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	13	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	13	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	13	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	13	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	13	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	13	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	13	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	14	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	14	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	14	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	14	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	14	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	14	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	14	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	14	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	14	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	16	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	16	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	16	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	16	0.27
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	16	0.27
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	16	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	16	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	16	0.27
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	16	0.27
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	16	0.27
(1,616)	2:B:209:LEU:HD12	1:A:32:ILE:HA	6	0.27
(1,616)	2:B:209:LEU:HD11	1:A:32:ILE:HA	6	0.27
(1,616)	2:B:209:LEU:HD13	1:A:32:ILE:HA	6	0.27
(1,616)	2:B:209:LEU:HD22	1:A:32:ILE:HA	6	0.27
(1,616)	2:B:209:LEU:HD21	1:A:32:ILE:HA	6	0.27
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	12	0.27
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	12	0.27
(1,544)	1:A:59:LEU:HD12	1:A:59:LEU:HA	9	0.27
(1,544)	1:A:59:LEU:HD13	1:A:59:LEU:HA	9	0.27
(1,544)	1:A:59:LEU:HD22	1:A:59:LEU:HA	9	0.27
(1,544)	1:A:59:LEU:HD21	1:A:59:LEU:HA	9	0.27
(1,544)	1:A:59:LEU:HD23	1:A:59:LEU:HA	9	0.27
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	14	0.27
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	14	0.27
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	14	0.27
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	14	0.27
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	14	0.27
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	14	0.27
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	15	0.27
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	15	0.27
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	15	0.27
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	15	0.27
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	15	0.27
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	15	0.27
(1,517)	1:A:46:LEU:HD12	1:A:42:PHE:HZ	18	0.27
(1,517)	1:A:46:LEU:HD11	1:A:42:PHE:HZ	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:A:46:LEU:HD22	1:A:42:PHE:HZ	18	0.27
(1,517)	1:A:46:LEU:HD21	1:A:42:PHE:HZ	18	0.27
(1,517)	1:A:46:LEU:HD23	1:A:42:PHE:HZ	18	0.27
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	16	0.27
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	16	0.27
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	16	0.27
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	16	0.27
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	16	0.27
(1,497)	1:A:39:VAL:HG22	1:A:40:GLU:HG3	11	0.27
(1,497)	1:A:39:VAL:HG21	1:A:40:GLU:HG3	11	0.27
(1,497)	1:A:39:VAL:HG23	1:A:40:GLU:HG3	11	0.27
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG2	11	0.27
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG3	11	0.27
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG2	11	0.27
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG3	11	0.27
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG2	11	0.27
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG3	11	0.27
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB2	18	0.27
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB3	18	0.27
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB2	18	0.27
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB3	18	0.27
(1,464)	1:A:28:ILE:HG23	1:A:9:CYS:HB2	18	0.27
(1,440)	1:A:21:VAL:HG12	1:A:19:ASP:HB2	8	0.27
(1,440)	1:A:21:VAL:HG12	1:A:19:ASP:HB3	8	0.27
(1,440)	1:A:21:VAL:HG11	1:A:19:ASP:HB2	8	0.27
(1,440)	1:A:21:VAL:HG11	1:A:19:ASP:HB3	8	0.27
(1,440)	1:A:21:VAL:HG13	1:A:19:ASP:HB2	8	0.27
(1,440)	1:A:21:VAL:HG13	1:A:19:ASP:HB3	8	0.27
(1,440)	1:A:21:VAL:HG22	1:A:19:ASP:HB2	8	0.27
(1,440)	1:A:21:VAL:HG22	1:A:19:ASP:HB3	8	0.27
(1,440)	1:A:21:VAL:HG21	1:A:19:ASP:HB3	8	0.27
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG23	12	0.27
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HD12	12	0.27
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG22	12	0.27
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG21	12	0.27
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	1	0.27
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	1	0.27
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	1	0.27
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	7	0.27
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	7	0.27
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	7	0.27
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	6	0.27
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	6	0.27
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	6	0.27
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	6	0.27
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	6	0.27
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	9	0.27
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	9	0.27
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	9	0.27
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	9	0.27
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	9	0.27
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	9	0.27
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	16	0.27
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	16	0.27
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	16	0.27
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD12	8	0.27
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD11	8	0.27
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD13	8	0.27
(1,211)	2:B:221:LYS:H	2:B:221:LYS:HG2	15	0.27
(1,211)	2:B:221:LYS:H	2:B:221:LYS:HG3	15	0.27
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB2	6	0.27
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB3	6	0.27
(1,1235)	1:A:14:LEU:HG	1:A:10:ILE:HA	20	0.27
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	4	0.27
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	8	0.26
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	11	0.26
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	8	0.26
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	17	0.26
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	18	0.26
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	9	0.26
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	9	0.26
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	9	0.26
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	9	0.26
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	9	0.26
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	9	0.26
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	9	0.26
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	9	0.26
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	9	0.26
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	9	0.26
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	9	0.26
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	9	0.26
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	9	0.26
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:A:60:ILE:HD12	2:B:259:ILE:HG12	9	0.26
(1,833)	1:A:60:ILE:HD12	2:B:259:ILE:HG13	9	0.26
(1,833)	1:A:60:ILE:HD11	2:B:259:ILE:HG12	9	0.26
(1,833)	1:A:60:ILE:HD13	2:B:259:ILE:HG12	9	0.26
(1,833)	1:A:60:ILE:HD13	2:B:259:ILE:HG13	9	0.26
(1,828)	1:A:59:LEU:HD12	2:B:259:ILE:HA	15	0.26
(1,828)	1:A:59:LEU:HD11	2:B:259:ILE:HA	15	0.26
(1,828)	1:A:59:LEU:HD13	2:B:259:ILE:HA	15	0.26
(1,828)	1:A:59:LEU:HD22	2:B:259:ILE:HA	15	0.26
(1,828)	1:A:59:LEU:HD21	2:B:259:ILE:HA	15	0.26
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	10	0.26
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	10	0.26
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	1	0.26
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	1	0.26
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	1	0.26
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	1	0.26
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	1	0.26
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	1	0.26
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	1	0.26
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	1	0.26
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	12	0.26
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	12	0.26
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	12	0.26
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	3	0.26
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	3	0.26
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	3	0.26
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	3	0.26
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	3	0.26
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	13	0.26
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	13	0.26
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	13	0.26
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	13	0.26
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	13	0.26
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	15	0.26
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	15	0.26
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	15	0.26
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	15	0.26
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	9	0.26
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	9	0.26
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	9	0.26
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	9	0.26
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	9	0.26
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	9	0.26
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	9	0.26
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	9	0.26
(1,672)	2:B:232:ILE:HD12	2:B:232:ILE:HB	17	0.26
(1,672)	2:B:232:ILE:HD11	2:B:232:ILE:HB	17	0.26
(1,672)	2:B:232:ILE:HD13	2:B:232:ILE:HB	17	0.26
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	14	0.26
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	14	0.26
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	14	0.26
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB1	6	0.26
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB3	6	0.26
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB2	6	0.26
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB1	6	0.26
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB2	6	0.26
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB1	6	0.26
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB3	6	0.26
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	3	0.26
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	3	0.26
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	4	0.26
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	4	0.26
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	5	0.26
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	5	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	2	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	2	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	2	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	2	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	2	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	2	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	2	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	2	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	2	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	2	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	3	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	3	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	3	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	3	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	3	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	3	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	3	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	3	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	3	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	4	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	4	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	4	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	4	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	4	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	4	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	4	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	4	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	4	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	4	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	5	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	5	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	5	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	5	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	5	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	5	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	5	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	5	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	5	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	5	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	7	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	7	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	7	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	7	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	7	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	7	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	7	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	7	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	7	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	7	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	8	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	8	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	8	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	8	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	8	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	8	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	8	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	8	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	8	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	8	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	9	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	9	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	9	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	9	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	9	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	9	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	9	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	9	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	9	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	11	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	11	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	11	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	11	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	11	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	11	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	11	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	11	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	11	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	11	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	15	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	15	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	15	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	15	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	15	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	15	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	15	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	15	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	15	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	15	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	17	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	17	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	17	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	17	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	17	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	17	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	17	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	17	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	17	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	17	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	18	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	18	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	18	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	18	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	18	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	18	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	18	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	18	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	18	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	19	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	19	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	19	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	19	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	19	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	19	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	19	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	19	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	19	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	19	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	20	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	20	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD11	20	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	20	0.26
(1,619)	2:B:209:LEU:HD12	2:B:209:LEU:HD13	20	0.26
(1,619)	2:B:209:LEU:HD11	2:B:209:LEU:HD13	20	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	20	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	20	0.26
(1,619)	2:B:209:LEU:HD22	2:B:209:LEU:HD23	20	0.26
(1,619)	2:B:209:LEU:HD21	2:B:209:LEU:HD23	20	0.26
(1,616)	2:B:209:LEU:HD12	1:A:32:ILE:HA	9	0.26
(1,616)	2:B:209:LEU:HD11	1:A:32:ILE:HA	9	0.26
(1,616)	2:B:209:LEU:HD13	1:A:32:ILE:HA	9	0.26
(1,616)	2:B:209:LEU:HD22	1:A:32:ILE:HA	9	0.26
(1,616)	2:B:209:LEU:HD21	1:A:32:ILE:HA	9	0.26
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	2	0.26
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	2	0.26
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	9	0.26
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	9	0.26
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	12	0.26
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	12	0.26
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	15	0.26
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	15	0.26
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	18	0.26
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	19	0.26
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	19	0.26
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	10	0.26
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	10	0.26
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	10	0.26
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	10	0.26
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	10	0.26
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	10	0.26
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	18	0.26
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	18	0.26
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	18	0.26
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	18	0.26
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	18	0.26
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	18	0.26
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	20	0.26
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	20	0.26
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	20	0.26
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	20	0.26
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	20	0.26
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	20	0.26
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE1	3	0.26
(1,507)	1:A:40:GLU:HG2	1:A:42:PHE:HE2	3	0.26
(1,507)	1:A:40:GLU:HG3	1:A:42:PHE:HE1	3	0.26
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA2	1	0.26
(1,494)	1:A:37:VAL:HG22	2:B:213:GLY:HA3	1	0.26
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA2	1	0.26
(1,494)	1:A:37:VAL:HG21	2:B:213:GLY:HA3	1	0.26
(1,494)	1:A:37:VAL:HG23	2:B:213:GLY:HA3	1	0.26
(1,444)	1:A:21:VAL:HG11	1:A:27:LYS:HE2	11	0.26
(1,444)	1:A:21:VAL:HG13	1:A:27:LYS:HE2	11	0.26
(1,444)	1:A:21:VAL:HG13	1:A:27:LYS:HE3	11	0.26
(1,444)	1:A:21:VAL:HG22	1:A:27:LYS:HE2	11	0.26
(1,444)	1:A:21:VAL:HG22	1:A:27:LYS:HE3	11	0.26
(1,444)	1:A:21:VAL:HG21	1:A:27:LYS:HE2	11	0.26
(1,444)	1:A:21:VAL:HG21	1:A:27:LYS:HE3	11	0.26
(1,444)	1:A:21:VAL:HG23	1:A:27:LYS:HE2	11	0.26
(1,444)	1:A:21:VAL:HG23	1:A:27:LYS:HE3	11	0.26
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	2	0.26
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	2	0.26
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	2	0.26
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	20	0.26
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	20	0.26
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	5	0.26
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	5	0.26
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	5	0.26
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	5	0.26
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	5	0.26
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	5	0.26
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	5	0.26
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	5	0.26
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	5	0.26
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	5	0.26
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	5	0.26
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	5	0.26
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	5	0.26
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	5	0.26
(1,381)	2:B:309:MET:H	2:B:309:MET:HG2	1	0.26
(1,381)	2:B:309:MET:H	2:B:309:MET:HG3	1	0.26
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG22	5	0.26
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG21	5	0.26
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG23	5	0.26
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG12	5	0.26
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG11	5	0.26
(1,329)	2:B:269:GLY:H	2:B:265:VAL:HG13	5	0.26
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG22	5	0.26
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG21	5	0.26
(1,329)	2:B:269:GLY:H	2:B:271:VAL:HG23	5	0.26
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	11	0.26
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	11	0.26
(1,211)	2:B:221:LYS:H	2:B:221:LYS:HG2	3	0.26
(1,211)	2:B:221:LYS:H	2:B:221:LYS:HG3	3	0.26
(1,161)	1:A:112:LEU:H	1:A:112:LEU:HB2	10	0.26
(1,161)	1:A:112:LEU:H	1:A:112:LEU:HB3	10	0.26
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB2	11	0.26
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB3	11	0.26
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	6	0.26
(1,1031)	2:B:206:SER:H	2:B:223:ILE:HG12	9	0.26
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	5	0.26
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	16	0.26
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	17	0.26
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	18	0.26
(1,993)	1:A:86:ALA:H	1:A:86:ALA:HA	9	0.25
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:A:71:ALA:H	1:A:71:ALA:HA	10	0.25
(1,977)	1:A:63:VAL:H	1:A:63:VAL:HB	7	0.25
(1,977)	1:A:63:VAL:H	1:A:63:VAL:HB	13	0.25
(1,974)	1:A:63:VAL:H	1:A:62:ASN:HA	3	0.25
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	4	0.25
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	4	0.25
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	4	0.25
(1,864)	2:B:255:ILE:HG22	1:A:7:LEU:HG	12	0.25
(1,864)	2:B:255:ILE:HG21	1:A:7:LEU:HG	12	0.25
(1,864)	2:B:255:ILE:HG23	1:A:7:LEU:HG	12	0.25
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	7	0.25
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	7	0.25
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	1	0.25
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	1	0.25
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	1	0.25
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	6	0.25
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	6	0.25
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	6	0.25
(1,804)	1:A:14:LEU:HD22	2:B:205:ALA:HA	2	0.25
(1,804)	1:A:14:LEU:HD21	2:B:205:ALA:HA	2	0.25
(1,804)	1:A:14:LEU:HD23	2:B:205:ALA:HA	2	0.25
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD12	7	0.25
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD11	7	0.25
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD13	7	0.25
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD21	7	0.25
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD23	7	0.25
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD12	7	0.25
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD11	7	0.25
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD13	7	0.25
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD21	7	0.25
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD23	7	0.25
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD12	7	0.25
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD11	7	0.25
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD13	7	0.25
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD21	7	0.25
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD23	7	0.25
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	1	0.25
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	1	0.25
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	14	0.25
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	14	0.25
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	10	0.25
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	10	0.25
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	2	0.25
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	2	0.25
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	2	0.25
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	2	0.25
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	2	0.25
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	2	0.25
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	2	0.25
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	2	0.25
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	2	0.25
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	2	0.25
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	2	0.25
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	2	0.25
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	2	0.25
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	2	0.25
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	2	0.25
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	8	0.25
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	8	0.25
(1,745)	2:B:262:LEU:HD12	2:B:262:LEU:HA	15	0.25
(1,745)	2:B:262:LEU:HD22	2:B:262:LEU:HA	15	0.25
(1,745)	2:B:262:LEU:HD21	2:B:262:LEU:HA	15	0.25
(1,745)	2:B:262:LEU:HD23	2:B:262:LEU:HA	15	0.25
(1,744)	2:B:262:LEU:HD12	2:B:204:VAL:HA	20	0.25
(1,744)	2:B:262:LEU:HD11	2:B:204:VAL:HA	20	0.25
(1,744)	2:B:262:LEU:HD13	2:B:204:VAL:HA	20	0.25
(1,744)	2:B:262:LEU:HD22	2:B:204:VAL:HA	20	0.25
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	20	0.25
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	20	0.25
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	20	0.25
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	3	0.25
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	3	0.25
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	3	0.25
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	3	0.25
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	3	0.25
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	16	0.25
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	16	0.25
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	16	0.25
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	16	0.25
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	16	0.25
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	6	0.25
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	6	0.25
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	6	0.25
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	6	0.25
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	17	0.25
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	17	0.25
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	17	0.25
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	17	0.25
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	17	0.25
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	20	0.25
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	20	0.25
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	20	0.25
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	20	0.25
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	20	0.25
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	8	0.25
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	8	0.25
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	3	0.25
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	3	0.25
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	3	0.25
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	10	0.25
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	10	0.25
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	10	0.25
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	16	0.25
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	16	0.25
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	16	0.25
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	17	0.25
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	17	0.25
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	17	0.25
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	5	0.25
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	5	0.25
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	5	0.25
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	5	0.25
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	20	0.25
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	20	0.25
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	20	0.25
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	20	0.25
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	19	0.25
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	19	0.25
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	19	0.25
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	19	0.25
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	19	0.25
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	19	0.25
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	19	0.25
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	19	0.25
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	18	0.25
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	18	0.25
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	18	0.25
(1,650)	2:B:223:ILE:HG22	2:B:203:TYR:HA	1	0.25
(1,650)	2:B:223:ILE:HG21	2:B:203:TYR:HA	1	0.25
(1,650)	2:B:223:ILE:HG23	2:B:203:TYR:HA	1	0.25
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	8	0.25
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	8	0.25
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	18	0.25
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	18	0.25
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	20	0.25
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	20	0.25
(1,616)	2:B:209:LEU:HD12	1:A:32:ILE:HA	2	0.25
(1,616)	2:B:209:LEU:HD11	1:A:32:ILE:HA	2	0.25
(1,616)	2:B:209:LEU:HD13	1:A:32:ILE:HA	2	0.25
(1,616)	2:B:209:LEU:HD22	1:A:32:ILE:HA	2	0.25
(1,616)	2:B:209:LEU:HD21	1:A:32:ILE:HA	2	0.25
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	3	0.25
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	3	0.25
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	19	0.25
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	19	0.25
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	4	0.25
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	4	0.25
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	8	0.25
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	8	0.25
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	1	0.25
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	1	0.25
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	1	0.25
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	1	0.25
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	1	0.25
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	1	0.25
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	4	0.25
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	4	0.25
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	4	0.25
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	4	0.25
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	4	0.25
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	4	0.25
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB2	1	0.25
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB3	1	0.25
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB2	7	0.25
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB3	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	13	0.25
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	13	0.25
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	13	0.25
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	13	0.25
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	13	0.25
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	13	0.25
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	13	0.25
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	13	0.25
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	13	0.25
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	13	0.25
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	13	0.25
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG23	4	0.25
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HD12	4	0.25
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG22	4	0.25
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG21	4	0.25
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG23	18	0.25
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HD12	18	0.25
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG22	18	0.25
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG21	18	0.25
(1,429)	1:A:15:ILE:HD12	2:B:205:ALA:HB3	14	0.25
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB2	14	0.25
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB1	14	0.25
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB3	14	0.25
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB2	14	0.25
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB1	14	0.25
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB3	14	0.25
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	14	0.25
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	14	0.25
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	20	0.25
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	20	0.25
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	20	0.25
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	20	0.25
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	20	0.25
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	20	0.25
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	20	0.25
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	20	0.25
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	20	0.25
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	20	0.25
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	20	0.25
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	20	0.25
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	20	0.25
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	7	0.25
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	7	0.25
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	7	0.25
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	7	0.25
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	7	0.25
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	7	0.25
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	20	0.25
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	20	0.25
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	20	0.25
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	20	0.25
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	20	0.25
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	20	0.25
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	20	0.25
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	20	0.25
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	20	0.25
(1,385)	2:B:313:LEU:H	2:B:313:LEU:HB2	3	0.25
(1,385)	2:B:313:LEU:H	2:B:313:LEU:HB3	3	0.25
(1,385)	2:B:313:LEU:H	2:B:313:LEU:HB2	5	0.25
(1,385)	2:B:313:LEU:H	2:B:313:LEU:HB3	5	0.25
(1,363)	2:B:301:GLU:H	2:B:301:GLU:HG2	8	0.25
(1,363)	2:B:301:GLU:H	2:B:301:GLU:HG3	8	0.25
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB2	14	0.25
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB3	14	0.25
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB2	19	0.25
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB3	19	0.25
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB2	20	0.25
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB3	20	0.25
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG2	14	0.25
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG3	14	0.25
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	10	0.25
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	10	0.25
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	13	0.25
(1,1031)	2:B:206:SER:H	2:B:223:ILE:HG12	11	0.25
(1,1031)	2:B:206:SER:H	2:B:223:ILE:HG12	17	0.25
(1,1015)	1:A:111:GLY:H	1:A:112:LEU:H	15	0.25
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	20	0.25
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	19	0.25
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	1	0.24
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	8	0.24
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	17	0.24
(1,935)	1:A:39:VAL:H	1:A:38:ASN:H	5	0.24
(1,864)	2:B:255:ILE:HG22	1:A:7:LEU:HG	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	2:B:255:ILE:HG21	1:A:7:LEU:HG	20	0.24
(1,864)	2:B:255:ILE:HG23	1:A:7:LEU:HG	20	0.24
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	1	0.24
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	1	0.24
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	17	0.24
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	17	0.24
(1,828)	1:A:59:LEU:HD12	2:B:259:ILE:HA	2	0.24
(1,828)	1:A:59:LEU:HD11	2:B:259:ILE:HA	2	0.24
(1,828)	1:A:59:LEU:HD13	2:B:259:ILE:HA	2	0.24
(1,828)	1:A:59:LEU:HD22	2:B:259:ILE:HA	2	0.24
(1,828)	1:A:59:LEU:HD21	2:B:259:ILE:HA	2	0.24
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	10	0.24
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	10	0.24
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	17	0.24
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	17	0.24
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	20	0.24
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	20	0.24
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	20	0.24
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	20	0.24
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	20	0.24
(1,745)	2:B:262:LEU:HD12	2:B:262:LEU:HA	20	0.24
(1,745)	2:B:262:LEU:HD22	2:B:262:LEU:HA	20	0.24
(1,745)	2:B:262:LEU:HD21	2:B:262:LEU:HA	20	0.24
(1,745)	2:B:262:LEU:HD23	2:B:262:LEU:HA	20	0.24
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	4	0.24
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	4	0.24
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	4	0.24
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	4	0.24
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	4	0.24
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	12	0.24
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	12	0.24
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	12	0.24
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	18	0.24
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	18	0.24
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	18	0.24
(1,709)	2:B:243:ILE:HG22	2:B:247:ASN:HA	5	0.24
(1,709)	2:B:243:ILE:HG21	2:B:247:ASN:HA	5	0.24
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	5	0.24
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	5	0.24
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	5	0.24
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	5	0.24
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	16	0.24
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	16	0.24
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	16	0.24
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	16	0.24
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	16	0.24
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	19	0.24
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	19	0.24
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	4	0.24
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	4	0.24
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	4	0.24
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	4	0.24
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	4	0.24
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	4	0.24
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	4	0.24
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	4	0.24
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	4	0.24
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	13	0.24
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	13	0.24
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	13	0.24
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	13	0.24
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	13	0.24
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	13	0.24
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	13	0.24
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	13	0.24
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	13	0.24
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	3	0.24
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	3	0.24
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	3	0.24
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	11	0.24
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	11	0.24
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	11	0.24
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	20	0.24
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	20	0.24
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	20	0.24
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	2	0.24
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	2	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	1	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	1	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	1	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	1	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	1	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	1	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	1	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	1	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	1	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	2	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	2	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	2	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	2	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	2	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	2	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	2	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	2	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	2	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	2	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	3	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	3	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	3	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	3	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	3	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	3	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	3	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	3	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	3	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	3	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	4	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	4	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	4	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	4	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	4	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	4	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	4	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	4	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	4	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	4	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	5	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	5	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	5	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	5	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	5	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	5	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	5	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	5	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	5	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	6	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	6	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	6	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	6	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	6	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	6	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	6	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	6	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	6	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	6	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	7	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	7	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	7	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	7	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	7	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	7	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	7	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	7	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	7	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	7	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	8	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	8	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	8	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	8	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	8	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	8	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	8	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	8	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	8	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	8	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	9	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	9	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	9	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	9	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	9	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	9	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	9	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	9	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	9	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	10	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	10	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	10	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	10	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	10	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	10	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	10	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	10	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	10	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	10	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	12	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	12	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	12	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	12	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	12	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	12	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	12	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	12	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	12	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	12	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	13	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	13	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	13	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	13	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	13	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	13	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	13	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	13	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	13	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	13	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	14	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	14	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	14	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	14	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	14	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	14	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	14	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	14	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	14	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	14	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	15	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	15	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	15	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	15	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	15	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	15	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	15	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	15	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	15	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	16	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	16	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	16	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	16	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	16	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	16	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	16	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	16	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	16	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	16	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	17	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	17	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	17	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	17	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	17	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	17	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	17	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	17	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	17	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	17	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	18	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	18	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	18	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	18	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	18	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	18	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	18	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	18	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	18	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	18	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	19	0.24
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	19	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	19	0.24
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	19	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	19	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	19	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	19	0.24
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	19	0.24
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	19	0.24
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB2	9	0.24
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB3	9	0.24
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB2	13	0.24
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB3	13	0.24
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	18	0.24
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	18	0.24
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	13	0.24
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	13	0.24
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	4	0.24
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	4	0.24
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	8	0.24
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	8	0.24
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	10	0.24
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	10	0.24
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	9	0.24
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	9	0.24
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	9	0.24
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	9	0.24
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	9	0.24
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	9	0.24
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	17	0.24
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	17	0.24
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	17	0.24
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	17	0.24
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	17	0.24
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	18	0.24
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	18	0.24
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	18	0.24
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	18	0.24
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	18	0.24
(1,497)	1:A:39:VAL:HG22	1:A:40:GLU:HG3	19	0.24
(1,497)	1:A:39:VAL:HG21	1:A:40:GLU:HG3	19	0.24
(1,497)	1:A:39:VAL:HG23	1:A:40:GLU:HG3	19	0.24
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG2	19	0.24
(1,497)	1:A:39:VAL:HG12	1:A:40:GLU:HG3	19	0.24
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG2	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,497)	1:A:39:VAL:HG11	1:A:40:GLU:HG3	19	0.24
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG2	19	0.24
(1,497)	1:A:39:VAL:HG13	1:A:40:GLU:HG3	19	0.24
(1,490)	1:A:37:VAL:HG11	2:B:214:GLY:HA3	16	0.24
(1,490)	1:A:37:VAL:HG13	2:B:214:GLY:HA3	16	0.24
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA2	16	0.24
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA3	16	0.24
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA2	16	0.24
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA3	16	0.24
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA2	16	0.24
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA3	16	0.24
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	9	0.24
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	9	0.24
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	9	0.24
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	9	0.24
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	9	0.24
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	5	0.24
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	5	0.24
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	7	0.24
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	7	0.24
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	18	0.24
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	18	0.24
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	8	0.24
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	8	0.24
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	8	0.24
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	1	0.24
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	1	0.24
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	1	0.24
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB2	10	0.24
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB3	10	0.24
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG2	4	0.24
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG3	4	0.24
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	6	0.24
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	6	0.24
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	14	0.24
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	16	0.24
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	14	0.24
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	14	0.24
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	14	0.24
(1,1167)	2:B:263:ALA:H	2:B:262:LEU:HG	9	0.24
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	5	0.24
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	1	0.24
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	14	0.24
(1,993)	1:A:86:ALA:H	1:A:86:ALA:HA	2	0.23
(1,993)	1:A:86:ALA:H	1:A:86:ALA:HA	6	0.23
(1,993)	1:A:86:ALA:H	1:A:86:ALA:HA	7	0.23
(1,993)	1:A:86:ALA:H	1:A:86:ALA:HA	8	0.23
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	1	0.23
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	1	0.23
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	1	0.23
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	8	0.23
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	8	0.23
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	8	0.23
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	18	0.23
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	18	0.23
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	18	0.23
(1,864)	2:B:255:ILE:HG22	1:A:7:LEU:HG	15	0.23
(1,864)	2:B:255:ILE:HG21	1:A:7:LEU:HG	15	0.23
(1,864)	2:B:255:ILE:HG23	1:A:7:LEU:HG	15	0.23
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	2	0.23
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	2	0.23
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE2	10	0.23
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE1	10	0.23
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE2	10	0.23
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE1	10	0.23
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE2	10	0.23
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE1	10	0.23
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	19	0.23
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	19	0.23
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	19	0.23
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	19	0.23
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	19	0.23
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	19	0.23
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	19	0.23
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	19	0.23
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	19	0.23
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	19	0.23
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	19	0.23
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	19	0.23
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	19	0.23
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	19	0.23
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	7	0.23
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	7	0.23
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	9	0.23
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	9	0.23
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	9	0.23
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG21	13	0.23
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG23	13	0.23
(1,834)	1:A:1:MET:HE1	2:B:255:ILE:HG21	13	0.23
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG22	13	0.23
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG21	13	0.23
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG23	13	0.23
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG22	13	0.23
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG21	18	0.23
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG23	18	0.23
(1,834)	1:A:1:MET:HE1	2:B:255:ILE:HG21	18	0.23
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG22	18	0.23
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG21	18	0.23
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG23	18	0.23
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG22	18	0.23
(1,812)	1:A:21:VAL:HG13	2:B:232:ILE:HB	3	0.23
(1,812)	1:A:21:VAL:HG22	2:B:232:ILE:HB	3	0.23
(1,812)	1:A:21:VAL:HG21	2:B:232:ILE:HB	3	0.23
(1,812)	1:A:21:VAL:HG12	2:B:232:ILE:HB	3	0.23
(1,812)	1:A:21:VAL:HG11	2:B:232:ILE:HB	3	0.23
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	9	0.23
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	9	0.23
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG12	9	0.23
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG13	9	0.23
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	9	0.23
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB3	9	0.23
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	9	0.23
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	9	0.23
(1,797)	1:A:7:LEU:HD13	2:B:255:ILE:HG13	9	0.23
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB2	20	0.23
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB3	20	0.23
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB2	20	0.23
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB3	20	0.23
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB2	20	0.23
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB3	20	0.23
(1,789)	2:B:309:MET:HA	2:B:309:MET:HG2	19	0.23
(1,789)	2:B:309:MET:HA	2:B:309:MET:HG3	19	0.23
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	13	0.23
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	13	0.23
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	13	0.23
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	13	0.23
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	16	0.23
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	16	0.23
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	16	0.23
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	16	0.23
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	16	0.23
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	5	0.23
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	5	0.23
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	14	0.23
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	14	0.23
(1,741)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	11	0.23
(1,741)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	11	0.23
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	11	0.23
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	11	0.23
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	16	0.23
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	16	0.23
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	16	0.23
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	16	0.23
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	16	0.23
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	1	0.23
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	1	0.23
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	1	0.23
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	1	0.23
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	1	0.23
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	13	0.23
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	13	0.23
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	13	0.23
(1,709)	2:B:243:ILE:HG22	2:B:247:ASN:HA	10	0.23
(1,709)	2:B:243:ILE:HG21	2:B:247:ASN:HA	10	0.23
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	2	0.23
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	2	0.23
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	2	0.23
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	2	0.23
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	2	0.23
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	7	0.23
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	7	0.23
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	7	0.23
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	7	0.23
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	7	0.23
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	10	0.23
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	10	0.23
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	10	0.23
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	10	0.23
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	4	0.23
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	4	0.23
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	2	0.23
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	2	0.23
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	2	0.23
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	12	0.23
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	12	0.23
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	12	0.23
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	14	0.23
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	14	0.23
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	14	0.23
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	15	0.23
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	15	0.23
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	15	0.23
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	19	0.23
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	19	0.23
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	19	0.23
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	20	0.23
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	20	0.23
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	20	0.23
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	1	0.23
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	1	0.23
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	1	0.23
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	1	0.23
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	3	0.23
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	3	0.23
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	3	0.23
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	3	0.23
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	18	0.23
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	18	0.23
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	18	0.23
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	18	0.23
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	7	0.23
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	7	0.23
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	7	0.23
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	7	0.23
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	7	0.23
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	7	0.23
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	7	0.23
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	7	0.23
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE2	18	0.23
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE3	18	0.23
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE2	18	0.23
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE3	18	0.23
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE2	18	0.23
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE3	18	0.23
(1,687)	2:B:239:LEU:HD13	2:B:224:LYS:HE3	18	0.23
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE2	18	0.23
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE3	18	0.23
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	2	0.23
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	2	0.23
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	2	0.23
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	5	0.23
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	5	0.23
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	5	0.23
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	7	0.23
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	7	0.23
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	7	0.23
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	12	0.23
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	12	0.23
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	12	0.23
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	16	0.23
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	16	0.23
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	16	0.23
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	13	0.23
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	13	0.23
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	14	0.23
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	14	0.23
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	11	0.23
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	11	0.23
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	11	0.23
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	11	0.23
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	11	0.23
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	11	0.23
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	11	0.23
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	11	0.23
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	11	0.23
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	11	0.23
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	2:B:208:LEU:HD12	2:B:208:LEU:HD11	20	0.23
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	20	0.23
(1,609)	2:B:208:LEU:HD11	2:B:208:LEU:HD13	20	0.23
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	20	0.23
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	20	0.23
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD21	20	0.23
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	20	0.23
(1,609)	2:B:208:LEU:HD22	2:B:208:LEU:HD23	20	0.23
(1,609)	2:B:208:LEU:HD21	2:B:208:LEU:HD23	20	0.23
(1,599)	1:A:55:ASN:HB2	1:A:56:ILE:HG22	5	0.23
(1,599)	1:A:55:ASN:HB2	1:A:56:ILE:HG21	5	0.23
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG22	5	0.23
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG21	5	0.23
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG23	5	0.23
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB2	2	0.23
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB3	2	0.23
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	10	0.23
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	10	0.23
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	11	0.23
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	11	0.23
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	20	0.23
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	20	0.23
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	13	0.23
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	13	0.23
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	20	0.23
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	20	0.23
(1,549)	1:A:60:ILE:HD11	1:A:60:ILE:HB	15	0.23
(1,549)	1:A:60:ILE:HD13	1:A:60:ILE:HB	15	0.23
(1,549)	1:A:60:ILE:HD12	1:A:60:ILE:HB	15	0.23
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	2	0.23
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	2	0.23
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	2	0.23
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	8	0.23
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	8	0.23
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	8	0.23
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	8	0.23
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	8	0.23
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	8	0.23
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	12	0.23
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	12	0.23
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	12	0.23
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	12	0.23
(1,465)	1:A:28:ILE:HG23	1:A:47:PHE:HB3	5	0.23
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB2	5	0.23
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB3	5	0.23
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB2	5	0.23
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB3	5	0.23
(1,454)	1:A:24:THR:HG22	1:A:22:THR:HB	7	0.23
(1,454)	1:A:24:THR:HG23	1:A:22:THR:HB	7	0.23
(1,454)	1:A:24:THR:HG21	1:A:22:THR:HB	7	0.23
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	9	0.23
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	9	0.23
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	9	0.23
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	9	0.23
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	9	0.23
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	9	0.23
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	9	0.23
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	9	0.23
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	9	0.23
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	16	0.23
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	16	0.23
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	16	0.23
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	17	0.23
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	17	0.23
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	17	0.23
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	1	0.23
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	1	0.23
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	6	0.23
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	6	0.23
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	14	0.23
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	14	0.23
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	11	0.23
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	11	0.23
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	11	0.23
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	11	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	2	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	2	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	2	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	2	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	2	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	2	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	16	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	16	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	16	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	16	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	16	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	17	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	17	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	17	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	17	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	17	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	17	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	19	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	19	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	19	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	19	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	19	0.23
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	19	0.23
(1,409)	1:A:10:ILE:HA	1:A:10:ILE:HD12	17	0.23
(1,409)	1:A:10:ILE:HA	1:A:10:ILE:HD11	17	0.23
(1,409)	1:A:10:ILE:HA	1:A:10:ILE:HD13	17	0.23
(1,353)	2:B:290:ALA:H	2:B:290:ALA:HB3	8	0.23
(1,353)	2:B:290:ALA:H	2:B:290:ALA:HB2	8	0.23
(1,353)	2:B:290:ALA:H	2:B:290:ALA:HB1	8	0.23
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD22	13	0.23
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD21	13	0.23
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD23	13	0.23
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD22	15	0.23
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD21	15	0.23
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD23	15	0.23
(1,310)	2:B:260:GLY:H	1:A:60:ILE:HG12	1	0.23
(1,310)	2:B:260:GLY:H	1:A:60:ILE:HG13	1	0.23
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD11	1	0.23
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD13	1	0.23
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD12	1	0.23
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE1	6	0.23
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE2	6	0.23
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	19	0.23
(1,1204)	2:B:293:GLU:H	2:B:293:GLU:HA	15	0.23
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	12	0.23
(1,1188)	2:B:273:VAL:H	2:B:273:VAL:HB	11	0.23
(1,1188)	2:B:273:VAL:H	2:B:273:VAL:HB	12	0.23
(1,1182)	2:B:311:PHE:H	2:B:310:GLY:HA2	20	0.23
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:A:113:PHE:H	1:A:113:PHE:HZ	13	0.23
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	12	0.23
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	16	0.23
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	1	0.23
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	19	0.23
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	8	0.23
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	1	0.22
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	12	0.22
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	15	0.22
(1,999)	1:A:94:VAL:H	1:A:94:VAL:HB	19	0.22
(1,993)	1:A:86:ALA:H	1:A:86:ALA:HA	10	0.22
(1,977)	1:A:63:VAL:H	1:A:63:VAL:HB	16	0.22
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	20	0.22
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	1	0.22
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	2	0.22
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	3	0.22
(1,864)	2:B:255:ILE:HG22	1:A:7:LEU:HG	4	0.22
(1,864)	2:B:255:ILE:HG21	1:A:7:LEU:HG	4	0.22
(1,864)	2:B:255:ILE:HG23	1:A:7:LEU:HG	4	0.22
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD22	10	0.22
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD21	10	0.22
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD23	10	0.22
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD12	10	0.22
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD11	10	0.22
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD13	10	0.22
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD22	10	0.22
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD21	10	0.22
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD23	10	0.22
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD12	10	0.22
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD11	10	0.22
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD13	10	0.22
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD22	10	0.22
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD21	10	0.22
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD23	10	0.22
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD12	10	0.22
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD11	10	0.22
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD13	10	0.22
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	15	0.22
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	15	0.22
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	15	0.22
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	1	0.22
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	1	0.22
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	5	0.22
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	5	0.22
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	20	0.22
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	20	0.22
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG2	13	0.22
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG3	13	0.22
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	3	0.22
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	3	0.22
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	12	0.22
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	12	0.22
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	17	0.22
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	17	0.22
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	17	0.22
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	17	0.22
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	17	0.22
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	17	0.22
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	17	0.22
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	17	0.22
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	17	0.22
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	8	0.22
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	8	0.22
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	8	0.22
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	8	0.22
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	8	0.22
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	14	0.22
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	14	0.22
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	14	0.22
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	14	0.22
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	14	0.22
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD22	5	0.22
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD21	5	0.22
(1,731)	2:B:254:VAL:HG12	2:B:208:LEU:HD23	5	0.22
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD22	5	0.22
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD21	5	0.22
(1,731)	2:B:254:VAL:HG11	2:B:208:LEU:HD23	5	0.22
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD22	5	0.22
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD21	5	0.22
(1,731)	2:B:254:VAL:HG13	2:B:208:LEU:HD23	5	0.22
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD22	5	0.22
(1,731)	2:B:254:VAL:HG22	2:B:208:LEU:HD21	5	0.22
(1,675)	2:B:232:ILE:HG22	1:A:21:VAL:HB	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	2:B:232:ILE:HG21	1:A:21:VAL:HB	11	0.22
(1,675)	2:B:232:ILE:HG23	1:A:21:VAL:HB	11	0.22
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	9	0.22
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	9	0.22
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	9	0.22
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	15	0.22
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	15	0.22
(1,631)	2:B:211:ALA:HB2	2:B:251:ILE:HD13	5	0.22
(1,631)	2:B:211:ALA:HB1	2:B:251:ILE:HD12	5	0.22
(1,631)	2:B:211:ALA:HB1	2:B:251:ILE:HD13	5	0.22
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD12	5	0.22
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD11	5	0.22
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD13	5	0.22
(1,631)	2:B:211:ALA:HB2	2:B:251:ILE:HD12	5	0.22
(1,601)	2:B:212:LEU:HD12	2:B:212:LEU:HA	4	0.22
(1,601)	2:B:212:LEU:HD11	2:B:212:LEU:HA	4	0.22
(1,601)	2:B:212:LEU:HD13	2:B:212:LEU:HA	4	0.22
(1,601)	2:B:212:LEU:HD23	2:B:212:LEU:HA	4	0.22
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	4	0.22
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	4	0.22
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	19	0.22
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	19	0.22
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	18	0.22
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	18	0.22
(1,553)	1:A:60:ILE:HG22	1:A:60:ILE:HA	14	0.22
(1,553)	1:A:60:ILE:HG21	1:A:60:ILE:HA	14	0.22
(1,553)	1:A:60:ILE:HG23	1:A:60:ILE:HA	14	0.22
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	15	0.22
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	15	0.22
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	15	0.22
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	15	0.22
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	15	0.22
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	15	0.22
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	2	0.22
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	2	0.22
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	2	0.22
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	2	0.22
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	2	0.22
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	2	0.22
(1,515)	1:A:46:LEU:HD12	1:A:47:PHE:HE2	19	0.22
(1,515)	1:A:46:LEU:HD11	1:A:47:PHE:HE1	19	0.22
(1,515)	1:A:46:LEU:HD11	1:A:47:PHE:HE2	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:A:46:LEU:HD13	1:A:47:PHE:HE1	19	0.22
(1,515)	1:A:46:LEU:HD13	1:A:47:PHE:HE2	19	0.22
(1,515)	1:A:46:LEU:HD22	1:A:47:PHE:HE1	19	0.22
(1,515)	1:A:46:LEU:HD21	1:A:47:PHE:HE1	19	0.22
(1,515)	1:A:46:LEU:HD12	1:A:47:PHE:HE1	19	0.22
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	5	0.22
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	5	0.22
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	5	0.22
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	14	0.22
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	14	0.22
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	14	0.22
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	20	0.22
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	20	0.22
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	20	0.22
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	20	0.22
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	20	0.22
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	3	0.22
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	3	0.22
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	3	0.22
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	3	0.22
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	3	0.22
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	3	0.22
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	3	0.22
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	3	0.22
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	3	0.22
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	13	0.22
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	13	0.22
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	13	0.22
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	13	0.22
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	13	0.22
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	13	0.22
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	13	0.22
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	13	0.22
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	13	0.22
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	16	0.22
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	16	0.22
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	16	0.22
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	16	0.22
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	16	0.22
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	16	0.22
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	16	0.22
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	16	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	10	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	10	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	10	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	11	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	11	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	11	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	12	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	12	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	12	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	19	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	19	0.22
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	19	0.22
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	13	0.22
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	13	0.22
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	13	0.22
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	13	0.22
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	13	0.22
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	17	0.22
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	17	0.22
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	17	0.22
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB2	16	0.22
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB3	16	0.22
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD11	4	0.22
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD22	4	0.22
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD21	4	0.22
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD23	4	0.22
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD12	4	0.22
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	5	0.22
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	11	0.22
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	14	0.22
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	9	0.22
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	17	0.22
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	17	0.22
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	17	0.22
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	17	0.22
(1,1167)	2:B:263:ALA:H	2:B:262:LEU:HG	2	0.22
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	3	0.22
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	11	0.22
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	15	0.22
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	12	0.22
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	12	0.22
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	9	0.22
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	10	0.22
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	2	0.21
(2,116)	2:B:257:GLN:H	2:B:253:ASP:O	3	0.21
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	10	0.21
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	12	0.21
(1,906)	1:A:23:VAL:H	1:A:22:THR:HB	7	0.21
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	3	0.21
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	3	0.21
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	3	0.21
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	3	0.21
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	3	0.21
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	3	0.21
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	3	0.21
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	3	0.21
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	3	0.21
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	3	0.21
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	3	0.21
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	3	0.21
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	3	0.21
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	3	0.21
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	8	0.21
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	8	0.21
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	11	0.21
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	11	0.21
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	14	0.21
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	14	0.21
(1,846)	1:A:15:ILE:HD12	2:B:209:LEU:HD12	7	0.21
(1,846)	1:A:15:ILE:HD11	2:B:209:LEU:HD12	7	0.21
(1,846)	1:A:15:ILE:HD13	2:B:209:LEU:HD12	7	0.21
(1,846)	2:B:209:LEU:HD12	1:A:31:LEU:HD22	7	0.21
(1,846)	2:B:209:LEU:HD12	1:A:31:LEU:HD21	7	0.21
(1,846)	2:B:209:LEU:HD12	1:A:31:LEU:HD23	7	0.21
(1,846)	1:A:15:ILE:HD12	2:B:209:LEU:HD11	7	0.21
(1,846)	1:A:15:ILE:HD11	2:B:209:LEU:HD11	7	0.21
(1,846)	1:A:15:ILE:HD13	2:B:209:LEU:HD11	7	0.21
(1,846)	2:B:209:LEU:HD11	1:A:31:LEU:HD22	7	0.21
(1,846)	2:B:209:LEU:HD11	1:A:31:LEU:HD21	7	0.21
(1,846)	2:B:209:LEU:HD11	1:A:31:LEU:HD23	7	0.21
(1,846)	1:A:15:ILE:HD12	2:B:209:LEU:HD13	7	0.21
(1,846)	1:A:15:ILE:HD11	2:B:209:LEU:HD13	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:A:15:ILE:HD13	2:B:209:LEU:HD13	7	0.21
(1,846)	2:B:209:LEU:HD13	1:A:31:LEU:HD22	7	0.21
(1,846)	2:B:209:LEU:HD13	1:A:31:LEU:HD21	7	0.21
(1,846)	2:B:209:LEU:HD13	1:A:31:LEU:HD23	7	0.21
(1,846)	1:A:15:ILE:HD12	2:B:209:LEU:HD22	7	0.21
(1,846)	1:A:15:ILE:HD11	2:B:209:LEU:HD22	7	0.21
(1,846)	1:A:15:ILE:HD13	2:B:209:LEU:HD22	7	0.21
(1,846)	2:B:209:LEU:HD22	1:A:31:LEU:HD22	7	0.21
(1,846)	2:B:209:LEU:HD22	1:A:31:LEU:HD23	7	0.21
(1,846)	1:A:15:ILE:HD11	2:B:209:LEU:HD21	7	0.21
(1,846)	1:A:15:ILE:HD13	2:B:209:LEU:HD21	7	0.21
(1,846)	1:A:15:ILE:HD11	2:B:209:LEU:HD23	7	0.21
(1,846)	1:A:15:ILE:HD13	2:B:209:LEU:HD23	7	0.21
(1,83)	1:A:49:LYS:H	1:A:49:LYS:HG2	8	0.21
(1,83)	1:A:49:LYS:H	1:A:49:LYS:HG3	8	0.21
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG22	9	0.21
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG21	9	0.21
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG23	9	0.21
(1,800)	1:A:10:ILE:HD11	2:B:259:ILE:HG21	9	0.21
(1,800)	1:A:10:ILE:HD11	2:B:259:ILE:HG23	9	0.21
(1,800)	1:A:10:ILE:HD13	2:B:259:ILE:HG21	9	0.21
(1,800)	1:A:10:ILE:HD13	2:B:259:ILE:HG23	9	0.21
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB2	19	0.21
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB3	19	0.21
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB2	19	0.21
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB3	19	0.21
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB2	19	0.21
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB3	19	0.21
(1,789)	2:B:309:MET:HA	2:B:309:MET:HG2	16	0.21
(1,789)	2:B:309:MET:HA	2:B:309:MET:HG3	16	0.21
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	13	0.21
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	13	0.21
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	16	0.21
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	16	0.21
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	1	0.21
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	1	0.21
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	1	0.21
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	1	0.21
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	1	0.21
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	12	0.21
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	12	0.21
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	12	0.21
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	12	0.21
(1,741)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	20	0.21
(1,741)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	20	0.21
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	20	0.21
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	20	0.21
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	10	0.21
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	10	0.21
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	10	0.21
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	10	0.21
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	10	0.21
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	4	0.21
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	4	0.21
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	4	0.21
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	4	0.21
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	4	0.21
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	1	0.21
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	1	0.21
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	1	0.21
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	4	0.21
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	4	0.21
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	4	0.21
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	8	0.21
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	8	0.21
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	8	0.21
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	8	0.21
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE2	2	0.21
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE3	2	0.21
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE2	2	0.21
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE3	2	0.21
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE2	2	0.21
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE3	2	0.21
(1,687)	2:B:239:LEU:HD13	2:B:224:LYS:HE3	2	0.21
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE2	2	0.21
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE3	2	0.21
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	20	0.21
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	20	0.21
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	20	0.21
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	20	0.21
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	20	0.21
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	20	0.21
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	4	0.21
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	4	0.21
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	13	0.21
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	13	0.21
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	13	0.21
(1,650)	2:B:223:ILE:HG22	2:B:203:TYR:HA	20	0.21
(1,650)	2:B:223:ILE:HG21	2:B:203:TYR:HA	20	0.21
(1,650)	2:B:223:ILE:HG23	2:B:203:TYR:HA	20	0.21
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG2	6	0.21
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG3	6	0.21
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	2	0.21
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	2	0.21
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	2	0.21
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	7	0.21
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	7	0.21
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	10	0.21
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	10	0.21
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	12	0.21
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	12	0.21
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	17	0.21
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	17	0.21
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	1	0.21
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	1	0.21
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	1	0.21
(1,622)	2:B:209:LEU:HD22	1:A:11:TYR:HB3	16	0.21
(1,622)	2:B:209:LEU:HD21	1:A:11:TYR:HB2	16	0.21
(1,622)	2:B:209:LEU:HD21	1:A:11:TYR:HB3	16	0.21
(1,622)	2:B:209:LEU:HD23	1:A:11:TYR:HB2	16	0.21
(1,622)	2:B:209:LEU:HD23	1:A:11:TYR:HB3	16	0.21
(1,601)	2:B:212:LEU:HD12	2:B:212:LEU:HA	10	0.21
(1,601)	2:B:212:LEU:HD11	2:B:212:LEU:HA	10	0.21
(1,601)	2:B:212:LEU:HD13	2:B:212:LEU:HA	10	0.21
(1,601)	2:B:212:LEU:HD23	2:B:212:LEU:HA	10	0.21
(1,601)	2:B:212:LEU:HD12	2:B:212:LEU:HA	15	0.21
(1,601)	2:B:212:LEU:HD11	2:B:212:LEU:HA	15	0.21
(1,601)	2:B:212:LEU:HD13	2:B:212:LEU:HA	15	0.21
(1,601)	2:B:212:LEU:HD23	2:B:212:LEU:HA	15	0.21
(1,601)	2:B:212:LEU:HD12	2:B:212:LEU:HA	16	0.21
(1,601)	2:B:212:LEU:HD11	2:B:212:LEU:HA	16	0.21
(1,601)	2:B:212:LEU:HD13	2:B:212:LEU:HA	16	0.21
(1,601)	2:B:212:LEU:HD23	2:B:212:LEU:HA	16	0.21
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	9	0.21
(1,553)	1:A:60:ILE:HG22	1:A:60:ILE:HA	2	0.21
(1,553)	1:A:60:ILE:HG21	1:A:60:ILE:HA	2	0.21
(1,553)	1:A:60:ILE:HG23	1:A:60:ILE:HA	2	0.21
(1,553)	1:A:60:ILE:HG22	1:A:60:ILE:HA	5	0.21
(1,553)	1:A:60:ILE:HG21	1:A:60:ILE:HA	5	0.21
(1,553)	1:A:60:ILE:HG23	1:A:60:ILE:HA	5	0.21
(1,553)	1:A:60:ILE:HG22	1:A:60:ILE:HA	8	0.21
(1,553)	1:A:60:ILE:HG21	1:A:60:ILE:HA	8	0.21
(1,553)	1:A:60:ILE:HG23	1:A:60:ILE:HA	8	0.21
(1,553)	1:A:60:ILE:HG22	1:A:60:ILE:HA	12	0.21
(1,553)	1:A:60:ILE:HG21	1:A:60:ILE:HA	12	0.21
(1,553)	1:A:60:ILE:HG23	1:A:60:ILE:HA	12	0.21
(1,553)	1:A:60:ILE:HG22	1:A:60:ILE:HA	16	0.21
(1,553)	1:A:60:ILE:HG21	1:A:60:ILE:HA	16	0.21
(1,553)	1:A:60:ILE:HG23	1:A:60:ILE:HA	16	0.21
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB2	20	0.21
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB3	20	0.21
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	8	0.21
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	8	0.21
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	8	0.21
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	8	0.21
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	8	0.21
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	8	0.21
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	8	0.21
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	8	0.21
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	1	0.21
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	1	0.21
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	1	0.21
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	1	0.21
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	1	0.21
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	5	0.21
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	5	0.21
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	12	0.21
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	12	0.21
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	20	0.21
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	20	0.21
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	1	0.21
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	1	0.21
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	1	0.21
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	1	0.21
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	5	0.21
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	5	0.21
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	5	0.21
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	5	0.21
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	5	0.21
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	15	0.21
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	15	0.21
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	15	0.21
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	15	0.21
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	10	0.21
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	10	0.21
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	10	0.21
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	10	0.21
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	10	0.21
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	10	0.21
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	10	0.21
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	10	0.21
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	10	0.21
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	13	0.21
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	13	0.21
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	11	0.21
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	11	0.21
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	11	0.21
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	11	0.21
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	11	0.21
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	11	0.21
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD12	6	0.21
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD11	6	0.21
(1,400)	1:A:4:VAL:HA	1:A:7:LEU:HD13	6	0.21
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB2	6	0.21
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB3	6	0.21
(1,23)	1:A:19:ASP:H	1:A:19:ASP:HB2	2	0.21
(1,23)	1:A:19:ASP:H	1:A:19:ASP:HB3	2	0.21
(1,23)	1:A:19:ASP:H	1:A:18:ASP:HB3	2	0.21
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	12	0.21
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	12	0.21
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	14	0.21
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	14	0.21
(1,153)	1:A:106:ASP:H	1:A:106:ASP:HB2	15	0.21
(1,153)	1:A:106:ASP:H	1:A:106:ASP:HB3	15	0.21
(1,136)	1:A:98:LYS:H	1:A:97:LYS:HB2	8	0.21
(1,136)	1:A:98:LYS:H	1:A:97:LYS:HB3	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	2	0.21
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	3	0.21
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	6	0.21
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	7	0.21
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	12	0.21
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	14	0.21
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	17	0.21
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	18	0.21
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	6	0.21
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	16	0.21
(1,1209)	2:B:301:GLU:H	2:B:301:GLU:HA	9	0.21
(1,1207)	2:B:297:GLU:H	2:B:296:ASP:HA	16	0.21
(1,1188)	2:B:273:VAL:H	2:B:273:VAL:HB	18	0.21
(1,1172)	2:B:265:VAL:H	2:B:265:VAL:HB	14	0.21
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	11	0.21
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	11	0.21
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	11	0.21
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	16	0.21
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	16	0.21
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	16	0.21
(1,1167)	2:B:263:ALA:H	2:B:262:LEU:HG	13	0.21
(1,1031)	2:B:206:SER:H	2:B:223:ILE:HG12	1	0.21
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	10	0.21
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	4	0.21
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	6	0.21
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	10	0.21
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	11	0.21
(1,1003)	1:A:99:GLU:H	1:A:99:GLU:HA	13	0.21
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	7	0.21
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	16	0.21
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	18	0.2
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	2	0.2
(1,995)	1:A:90:GLU:H	1:A:90:GLU:HA	10	0.2
(1,995)	1:A:90:GLU:H	1:A:90:GLU:HA	17	0.2
(1,993)	1:A:86:ALA:H	1:A:86:ALA:HA	11	0.2
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	16	0.2
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	3	0.2
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	3	0.2
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	3	0.2
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	13	0.2
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	13	0.2
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	2:B:255:ILE:HG22	1:A:7:LEU:HA	6	0.2
(1,865)	2:B:255:ILE:HG21	1:A:7:LEU:HA	6	0.2
(1,865)	2:B:255:ILE:HG23	1:A:7:LEU:HA	6	0.2
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	12	0.2
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	12	0.2
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	13	0.2
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	13	0.2
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE2	4	0.2
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE1	4	0.2
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE2	4	0.2
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE1	4	0.2
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE2	4	0.2
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE1	4	0.2
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD22	18	0.2
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD21	18	0.2
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD23	18	0.2
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD12	18	0.2
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD11	18	0.2
(1,843)	2:B:208:LEU:HD12	1:A:14:LEU:HD13	18	0.2
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD22	18	0.2
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD21	18	0.2
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD23	18	0.2
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD12	18	0.2
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD11	18	0.2
(1,843)	2:B:208:LEU:HD11	1:A:14:LEU:HD13	18	0.2
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD22	18	0.2
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD21	18	0.2
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD23	18	0.2
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD12	18	0.2
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD11	18	0.2
(1,843)	2:B:208:LEU:HD13	1:A:14:LEU:HD13	18	0.2
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	12	0.2
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	12	0.2
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	12	0.2
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	12	0.2
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	12	0.2
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	12	0.2
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	12	0.2
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	12	0.2
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	12	0.2
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	12	0.2
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	12	0.2
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	12	0.2
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	12	0.2
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	12	0.2
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	12	0.2
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	12	0.2
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	6	0.2
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	6	0.2
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	6	0.2
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	6	0.2
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	6	0.2
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	18	0.2
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	18	0.2
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	1	0.2
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	1	0.2
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	1	0.2
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG2	19	0.2
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG3	19	0.2
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	4	0.2
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	4	0.2
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	20	0.2
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	20	0.2
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	20	0.2
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	20	0.2
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	20	0.2
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	4	0.2
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	4	0.2
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	4	0.2
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	9	0.2
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	9	0.2
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	9	0.2
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	9	0.2
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	9	0.2
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	18	0.2
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	18	0.2
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	18	0.2
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	18	0.2
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	18	0.2
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	19	0.2
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	19	0.2
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	19	0.2
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	19	0.2
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	14	0.2
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	14	0.2
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	14	0.2
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	14	0.2
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	14	0.2
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	14	0.2
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	14	0.2
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	14	0.2
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	14	0.2
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	20	0.2
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	20	0.2
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	20	0.2
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	20	0.2
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	20	0.2
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	20	0.2
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	20	0.2
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	20	0.2
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	20	0.2
(1,682)	2:B:234:ALA:HB2	2:B:227:LEU:HB2	4	0.2
(1,682)	2:B:234:ALA:HB2	2:B:227:LEU:HB3	4	0.2
(1,682)	2:B:234:ALA:HB1	2:B:227:LEU:HB2	4	0.2
(1,682)	2:B:234:ALA:HB1	2:B:227:LEU:HB3	4	0.2
(1,682)	2:B:234:ALA:HB3	2:B:227:LEU:HB2	4	0.2
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	7	0.2
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	7	0.2
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	7	0.2
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	20	0.2
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	20	0.2
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	20	0.2
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	20	0.2
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	20	0.2
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	20	0.2
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	20	0.2
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	20	0.2
(1,601)	2:B:212:LEU:HD12	2:B:212:LEU:HA	11	0.2
(1,601)	2:B:212:LEU:HD11	2:B:212:LEU:HA	11	0.2
(1,601)	2:B:212:LEU:HD13	2:B:212:LEU:HA	11	0.2
(1,601)	2:B:212:LEU:HD23	2:B:212:LEU:HA	11	0.2
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	17	0.2
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	17	0.2
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	1	0.2
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	2	0.2
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	2	0.2
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	14	0.2
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	14	0.2
(1,553)	1:A:60:ILE:HG22	1:A:60:ILE:HA	10	0.2
(1,553)	1:A:60:ILE:HG21	1:A:60:ILE:HA	10	0.2
(1,553)	1:A:60:ILE:HG23	1:A:60:ILE:HA	10	0.2
(1,553)	1:A:60:ILE:HG22	1:A:60:ILE:HA	19	0.2
(1,553)	1:A:60:ILE:HG21	1:A:60:ILE:HA	19	0.2
(1,553)	1:A:60:ILE:HG23	1:A:60:ILE:HA	19	0.2
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	17	0.2
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	17	0.2
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	17	0.2
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB2	2	0.2
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB3	2	0.2
(1,490)	1:A:37:VAL:HG11	2:B:214:GLY:HA3	20	0.2
(1,490)	1:A:37:VAL:HG13	2:B:214:GLY:HA3	20	0.2
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA2	20	0.2
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA3	20	0.2
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA2	20	0.2
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA3	20	0.2
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA2	20	0.2
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA3	20	0.2
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	1	0.2
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	1	0.2
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	1	0.2
(1,478)	1:A:32:ILE:HD11	1:A:32:ILE:HB	12	0.2
(1,478)	1:A:32:ILE:HD13	1:A:32:ILE:HB	12	0.2
(1,478)	1:A:32:ILE:HD12	1:A:32:ILE:HB	12	0.2
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	5	0.2
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	5	0.2
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	5	0.2
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	5	0.2
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	5	0.2
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	5	0.2
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	5	0.2
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	5	0.2
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	5	0.2
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	5	0.2
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	5	0.2
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	2	0.2
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	2	0.2
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	5	0.2
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	5	0.2
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	5	0.2
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	5	0.2
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	5	0.2
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	5	0.2
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	5	0.2
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	5	0.2
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	5	0.2
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	8	0.2
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	8	0.2
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	16	0.2
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	16	0.2
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	12	0.2
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	12	0.2
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	12	0.2
(1,363)	2:B:301:GLU:H	2:B:301:GLU:HG2	9	0.2
(1,363)	2:B:301:GLU:H	2:B:301:GLU:HG3	9	0.2
(1,323)	2:B:267:ALA:H	2:B:266:PRO:HB3	7	0.2
(1,323)	2:B:267:ALA:H	2:B:266:PRO:HB2	7	0.2
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG2	8	0.2
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG3	8	0.2
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	9	0.2
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	9	0.2
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	10	0.2
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	10	0.2
(1,1251)	2:B:273:VAL:HA	2:B:273:VAL:HB	2	0.2
(1,1251)	2:B:273:VAL:HA	2:B:273:VAL:HB	3	0.2
(1,1251)	2:B:273:VAL:HA	2:B:273:VAL:HB	4	0.2
(1,1251)	2:B:273:VAL:HA	2:B:273:VAL:HB	9	0.2
(1,1251)	2:B:273:VAL:HA	2:B:273:VAL:HB	14	0.2
(1,1251)	2:B:273:VAL:HA	2:B:273:VAL:HB	15	0.2
(1,1251)	2:B:273:VAL:HA	2:B:273:VAL:HB	17	0.2
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	8	0.2
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	9	0.2
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	10	0.2
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	11	0.2
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	13	0.2
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	19	0.2
(1,1245)	1:A:54:VAL:HB	1:A:51:LEU:HG	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	2:B:313:LEU:H	2:B:314:PHE:H	1	0.2
(1,1220)	2:B:312:GLY:H	2:B:311:PHE:H	1	0.2
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	9	0.2
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	1	0.2
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	4	0.2
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	11	0.2
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	14	0.2
(1,1007)	1:A:103:GLU:H	1:A:103:GLU:HA	3	0.2
(1,1005)	1:A:101:SER:H	1:A:100:GLU:HA	14	0.2
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	17	0.2
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	6	0.19
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	9	0.19
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	20	0.19
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	14	0.19
(1,995)	1:A:90:GLU:H	1:A:90:GLU:HA	2	0.19
(1,995)	1:A:90:GLU:H	1:A:90:GLU:HA	5	0.19
(1,995)	1:A:90:GLU:H	1:A:90:GLU:HA	7	0.19
(1,995)	1:A:90:GLU:H	1:A:90:GLU:HA	16	0.19
(1,974)	1:A:63:VAL:H	1:A:62:ASN:HA	1	0.19
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	8	0.19
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG22	2	0.19
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG21	2	0.19
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG23	2	0.19
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	18	0.19
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	19	0.19
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE1	10	0.19
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE2	10	0.19
(1,867)	2:B:255:ILE:HD11	1:A:11:TYR:HE1	10	0.19
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE1	10	0.19
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE2	10	0.19
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	17	0.19
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	17	0.19
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	17	0.19
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	17	0.19
(1,857)	2:B:230:VAL:HG12	1:A:31:LEU:HG	12	0.19
(1,857)	2:B:230:VAL:HG13	1:A:31:LEU:HG	12	0.19
(1,857)	2:B:230:VAL:HG22	1:A:31:LEU:HG	12	0.19
(1,857)	2:B:230:VAL:HG21	1:A:31:LEU:HG	12	0.19
(1,857)	2:B:230:VAL:HG23	1:A:31:LEU:HG	12	0.19
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	1	0.19
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	1	0.19
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:A:59:LEU:HD12	2:B:259:ILE:HA	3	0.19
(1,828)	1:A:59:LEU:HD11	2:B:259:ILE:HA	3	0.19
(1,828)	1:A:59:LEU:HD13	2:B:259:ILE:HA	3	0.19
(1,828)	1:A:59:LEU:HD22	2:B:259:ILE:HA	3	0.19
(1,828)	1:A:59:LEU:HD21	2:B:259:ILE:HA	3	0.19
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB2	5	0.19
(1,825)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	5	0.19
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB2	5	0.19
(1,825)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	5	0.19
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB2	5	0.19
(1,825)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	5	0.19
(1,823)	1:A:34:ALA:HB2	2:B:225:LYS:HE2	15	0.19
(1,823)	1:A:34:ALA:HB2	2:B:225:LYS:HE3	15	0.19
(1,823)	1:A:34:ALA:HB1	2:B:225:LYS:HE2	15	0.19
(1,823)	1:A:34:ALA:HB1	2:B:225:LYS:HE3	15	0.19
(1,823)	1:A:34:ALA:HB3	2:B:225:LYS:HE3	15	0.19
(1,801)	1:A:10:ILE:HG22	2:B:259:ILE:HG22	20	0.19
(1,801)	1:A:10:ILE:HG22	2:B:259:ILE:HG21	20	0.19
(1,801)	1:A:10:ILE:HG22	2:B:259:ILE:HG23	20	0.19
(1,801)	1:A:10:ILE:HG21	2:B:259:ILE:HG21	20	0.19
(1,801)	1:A:10:ILE:HG23	2:B:259:ILE:HG22	20	0.19
(1,801)	1:A:10:ILE:HG23	2:B:259:ILE:HG21	20	0.19
(1,801)	1:A:10:ILE:HG23	2:B:259:ILE:HG23	20	0.19
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	4	0.19
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	4	0.19
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	9	0.19
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	9	0.19
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	13	0.19
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	13	0.19
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	14	0.19
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	14	0.19
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	14	0.19
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	14	0.19
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	14	0.19
(1,747)	2:B:262:LEU:HD22	1:A:11:TYR:HD2	18	0.19
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD1	18	0.19
(1,747)	2:B:262:LEU:HD21	1:A:11:TYR:HD2	18	0.19
(1,747)	2:B:262:LEU:HD23	1:A:11:TYR:HD2	18	0.19
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD1	18	0.19
(1,747)	2:B:262:LEU:HD12	1:A:11:TYR:HD2	18	0.19
(1,747)	2:B:262:LEU:HD11	1:A:11:TYR:HD2	18	0.19
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD1	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	2:B:262:LEU:HD13	1:A:11:TYR:HD2	18	0.19
(1,741)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	1	0.19
(1,741)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	1	0.19
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	1	0.19
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	1	0.19
(1,740)	2:B:259:ILE:HG22	2:B:259:ILE:HA	13	0.19
(1,740)	2:B:259:ILE:HG21	2:B:259:ILE:HA	13	0.19
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	2	0.19
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	2	0.19
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	2	0.19
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	2	0.19
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	2	0.19
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	11	0.19
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	11	0.19
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	11	0.19
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	11	0.19
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	11	0.19
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	13	0.19
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	13	0.19
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	13	0.19
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	6	0.19
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	6	0.19
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	6	0.19
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	6	0.19
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	6	0.19
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	9	0.19
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	9	0.19
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	9	0.19
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	9	0.19
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	9	0.19
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	20	0.19
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	20	0.19
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	20	0.19
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	20	0.19
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	20	0.19
(1,709)	2:B:243:ILE:HG22	2:B:247:ASN:HA	16	0.19
(1,709)	2:B:243:ILE:HG21	2:B:247:ASN:HA	16	0.19
(1,709)	2:B:243:ILE:HG22	2:B:247:ASN:HA	18	0.19
(1,709)	2:B:243:ILE:HG21	2:B:247:ASN:HA	18	0.19
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	1	0.19
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	1	0.19
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	1	0.19
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	1	0.19
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	8	0.19
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	8	0.19
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	8	0.19
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	8	0.19
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	8	0.19
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG13	15	0.19
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG12	15	0.19
(1,708)	2:B:243:ILE:HG23	2:B:243:ILE:HG13	15	0.19
(1,708)	2:B:243:ILE:HG22	2:B:243:ILE:HG13	15	0.19
(1,708)	2:B:243:ILE:HG21	2:B:243:ILE:HG12	15	0.19
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	6	0.19
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	6	0.19
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	6	0.19
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	7	0.19
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	7	0.19
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	7	0.19
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	8	0.19
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	8	0.19
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	8	0.19
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	2	0.19
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	2	0.19
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	2	0.19
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	2	0.19
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	7	0.19
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	7	0.19
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	7	0.19
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	7	0.19
(1,670)	2:B:232:ILE:HD12	2:B:232:ILE:HA	6	0.19
(1,670)	2:B:232:ILE:HD11	2:B:232:ILE:HA	6	0.19
(1,670)	2:B:232:ILE:HD13	2:B:232:ILE:HA	6	0.19
(1,650)	2:B:223:ILE:HG22	2:B:203:TYR:HA	19	0.19
(1,650)	2:B:223:ILE:HG21	2:B:203:TYR:HA	19	0.19
(1,650)	2:B:223:ILE:HG23	2:B:203:TYR:HA	19	0.19
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	5	0.19
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	5	0.19
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	5	0.19
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	13	0.19
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	13	0.19
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	13	0.19
(1,625)	2:B:209:LEU:HD12	1:A:12:SER:HA	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	2:B:209:LEU:HD11	1:A:12:SER:HA	3	0.19
(1,625)	2:B:209:LEU:HD13	1:A:12:SER:HA	3	0.19
(1,625)	2:B:209:LEU:HD22	1:A:12:SER:HA	3	0.19
(1,625)	2:B:209:LEU:HD21	1:A:12:SER:HA	3	0.19
(1,625)	2:B:209:LEU:HD23	1:A:12:SER:HA	3	0.19
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	15	0.19
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	15	0.19
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	15	0.19
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	15	0.19
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	15	0.19
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	15	0.19
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	15	0.19
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	15	0.19
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	10	0.19
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	10	0.19
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	16	0.19
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	16	0.19
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	7	0.19
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	7	0.19
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	12	0.19
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	12	0.19
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	13	0.19
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	13	0.19
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	13	0.19
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	13	0.19
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	13	0.19
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	13	0.19
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	2	0.19
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	2	0.19
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	2	0.19
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	2	0.19
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	2	0.19
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	2	0.19
(1,499)	1:A:39:VAL:HG12	1:A:6:GLU:HA	11	0.19
(1,499)	1:A:39:VAL:HG11	1:A:6:GLU:HA	11	0.19
(1,499)	1:A:39:VAL:HG13	1:A:6:GLU:HA	11	0.19
(1,499)	1:A:39:VAL:HG22	1:A:6:GLU:HA	11	0.19
(1,499)	1:A:39:VAL:HG23	1:A:6:GLU:HA	11	0.19
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	2	0.19
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	2	0.19
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	2	0.19
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	8	0.19
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	8	0.19
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	16	0.19
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	16	0.19
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	16	0.19
(1,465)	1:A:28:ILE:HG23	1:A:47:PHE:HB3	8	0.19
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB2	8	0.19
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB3	8	0.19
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB2	8	0.19
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB3	8	0.19
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	18	0.19
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	18	0.19
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	18	0.19
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	18	0.19
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	11	0.19
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	11	0.19
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	11	0.19
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	11	0.19
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	11	0.19
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	11	0.19
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	11	0.19
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	11	0.19
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	11	0.19
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	17	0.19
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	17	0.19
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	17	0.19
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	17	0.19
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	17	0.19
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	17	0.19
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	17	0.19
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	17	0.19
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	17	0.19
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	8	0.19
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	8	0.19
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB2	6	0.19
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB1	6	0.19
(1,426)	1:A:14:LEU:HG	2:B:205:ALA:HB3	6	0.19
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	3	0.19
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	3	0.19
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	3	0.19
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	3	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	1	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	1	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	1	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	1	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	1	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	5	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	5	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	5	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	5	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	5	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	5	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	14	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	14	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	14	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	14	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	14	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	14	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	18	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	18	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	18	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	18	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	18	0.19
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	18	0.19
(1,408)	1:A:10:ILE:HB	1:A:10:ILE:HD12	17	0.19
(1,408)	1:A:10:ILE:HB	1:A:10:ILE:HD11	17	0.19
(1,408)	1:A:10:ILE:HB	1:A:10:ILE:HD13	17	0.19
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	1	0.19
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	1	0.19
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	1	0.19
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD11	10	0.19
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD22	10	0.19
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD21	10	0.19
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD23	10	0.19
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD12	10	0.19
(1,364)	2:B:301:GLU:H	2:B:301:GLU:HB2	15	0.19
(1,364)	2:B:301:GLU:H	2:B:301:GLU:HB3	15	0.19
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG12	4	0.19
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG11	4	0.19
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG13	4	0.19
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD12	8	0.19
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD11	8	0.19
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD13	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD12	19	0.19
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD11	19	0.19
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD13	19	0.19
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG12	6	0.19
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG11	6	0.19
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG13	6	0.19
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG22	6	0.19
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG21	6	0.19
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG2	10	0.19
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG3	10	0.19
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD11	8	0.19
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD13	8	0.19
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD12	8	0.19
(1,153)	1:A:106:ASP:H	1:A:106:ASP:HB2	3	0.19
(1,153)	1:A:106:ASP:H	1:A:106:ASP:HB3	3	0.19
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG2	9	0.19
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG3	9	0.19
(1,1251)	2:B:273:VAL:HA	2:B:273:VAL:HB	1	0.19
(1,1251)	2:B:273:VAL:HA	2:B:273:VAL:HB	8	0.19
(1,1221)	2:B:311:PHE:H	2:B:310:GLY:H	18	0.19
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	8	0.19
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	11	0.19
(1,1188)	2:B:273:VAL:H	2:B:273:VAL:HB	8	0.19
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	12	0.19
(1,1172)	2:B:265:VAL:H	2:B:265:VAL:HB	12	0.19
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	19	0.19
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	19	0.19
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	19	0.19
(1,1167)	2:B:263:ALA:H	2:B:262:LEU:HG	12	0.19
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	8	0.19
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	14	0.19
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	8	0.19
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	4	0.19
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	5	0.18
(2,58)	1:A:50:ALA:H	1:A:46:LEU:O	2	0.18
(2,5)	1:A:9:CYS:N	1:A:5:SER:O	9	0.18
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	5	0.18
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	7	0.18
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	13	0.18
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	17	0.18
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	18	0.18
(1,999)	1:A:94:VAL:H	1:A:94:VAL:HB	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	14	0.18
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG22	20	0.18
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG21	20	0.18
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG23	20	0.18
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	10	0.18
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	9	0.18
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	9	0.18
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	9	0.18
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	17	0.18
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	17	0.18
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	17	0.18
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	17	0.18
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	17	0.18
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	17	0.18
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	17	0.18
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	17	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	17	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	17	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	17	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	17	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	17	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	17	0.18
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	18	0.18
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	18	0.18
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	18	0.18
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	18	0.18
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	18	0.18
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	18	0.18
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	18	0.18
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	18	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	18	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	18	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	18	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	18	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	18	0.18
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	18	0.18
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	20	0.18
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	20	0.18
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	3	0.18
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	3	0.18
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	3	0.18
(1,814)	1:A:21:VAL:HG12	2:B:232:ILE:HA	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:A:21:VAL:HG11	2:B:232:ILE:HA	1	0.18
(1,814)	1:A:21:VAL:HG22	2:B:232:ILE:HA	1	0.18
(1,814)	1:A:21:VAL:HG21	2:B:232:ILE:HA	1	0.18
(1,814)	1:A:21:VAL:HG23	2:B:232:ILE:HA	1	0.18
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	18	0.18
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	18	0.18
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG12	18	0.18
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG13	18	0.18
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	18	0.18
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB3	18	0.18
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	18	0.18
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	18	0.18
(1,797)	1:A:7:LEU:HD13	2:B:255:ILE:HG13	18	0.18
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB2	6	0.18
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB3	6	0.18
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB2	6	0.18
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB3	6	0.18
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB2	6	0.18
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB3	6	0.18
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB2	14	0.18
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB3	14	0.18
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB2	14	0.18
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB3	14	0.18
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB2	14	0.18
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB3	14	0.18
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	15	0.18
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	15	0.18
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	19	0.18
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	19	0.18
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	19	0.18
(1,741)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	4	0.18
(1,741)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	4	0.18
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	4	0.18
(1,741)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	4	0.18
(1,734)	2:B:254:VAL:HG12	2:B:251:ILE:HA	18	0.18
(1,734)	2:B:254:VAL:HG11	2:B:251:ILE:HA	18	0.18
(1,732)	2:B:254:VAL:HG12	2:B:207:TYR:HD1	13	0.18
(1,732)	2:B:254:VAL:HG11	2:B:207:TYR:HD1	13	0.18
(1,732)	2:B:254:VAL:HG13	2:B:207:TYR:HD1	13	0.18
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	5	0.18
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	5	0.18
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	11	0.18
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	11	0.18
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	11	0.18
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	14	0.18
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	14	0.18
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	14	0.18
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB2	7	0.18
(1,710)	2:B:243:ILE:HG22	2:B:247:ASN:HB3	7	0.18
(1,710)	2:B:243:ILE:HG21	2:B:247:ASN:HB2	7	0.18
(1,710)	2:B:243:ILE:HG23	2:B:247:ASN:HB2	7	0.18
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	10	0.18
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	10	0.18
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	10	0.18
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	10	0.18
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD12	17	0.18
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD11	17	0.18
(1,699)	2:B:243:ILE:HD12	2:B:246:LEU:HD13	17	0.18
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD12	17	0.18
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD11	17	0.18
(1,699)	2:B:243:ILE:HD11	2:B:246:LEU:HD13	17	0.18
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD12	17	0.18
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD11	17	0.18
(1,699)	2:B:243:ILE:HD13	2:B:246:LEU:HD13	17	0.18
(1,684)	2:B:234:ALA:HB2	2:B:224:LYS:HE2	19	0.18
(1,684)	2:B:234:ALA:HB1	2:B:224:LYS:HE2	19	0.18
(1,684)	2:B:234:ALA:HB1	2:B:224:LYS:HE3	19	0.18
(1,684)	2:B:234:ALA:HB3	2:B:224:LYS:HE2	19	0.18
(1,684)	2:B:234:ALA:HB3	2:B:224:LYS:HE3	19	0.18
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	5	0.18
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	5	0.18
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	5	0.18
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	5	0.18
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	5	0.18
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	5	0.18
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	5	0.18
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	5	0.18
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	5	0.18
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	5	0.18
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	5	0.18
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG21	5	0.18
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	5	0.18
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	3	0.18
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	3	0.18
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	15	0.18
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	15	0.18
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	15	0.18
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	19	0.18
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	19	0.18
(1,63)	1:A:37:VAL:H	1:A:35:ALA:HB1	4	0.18
(1,63)	1:A:37:VAL:H	1:A:35:ALA:HB3	4	0.18
(1,63)	1:A:37:VAL:H	1:A:35:ALA:HB2	4	0.18
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	10	0.18
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	10	0.18
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	10	0.18
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	15	0.18
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	15	0.18
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	15	0.18
(1,601)	2:B:212:LEU:HD12	2:B:212:LEU:HA	12	0.18
(1,601)	2:B:212:LEU:HD11	2:B:212:LEU:HA	12	0.18
(1,601)	2:B:212:LEU:HD13	2:B:212:LEU:HA	12	0.18
(1,601)	2:B:212:LEU:HD23	2:B:212:LEU:HA	12	0.18
(1,601)	2:B:212:LEU:HD12	2:B:212:LEU:HA	17	0.18
(1,601)	2:B:212:LEU:HD11	2:B:212:LEU:HA	17	0.18
(1,601)	2:B:212:LEU:HD13	2:B:212:LEU:HA	17	0.18
(1,601)	2:B:212:LEU:HD23	2:B:212:LEU:HA	17	0.18
(1,586)	1:A:108:MET:HA	1:A:108:MET:HG2	4	0.18
(1,586)	1:A:108:MET:HA	1:A:108:MET:HG3	4	0.18
(1,582)	1:A:96:ALA:HA	1:A:95:GLU:HG2	9	0.18
(1,582)	1:A:96:ALA:HA	1:A:95:GLU:HG3	9	0.18
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	5	0.18
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	5	0.18
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	16	0.18
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	16	0.18
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	14	0.18
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	14	0.18
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	20	0.18
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	20	0.18
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	3	0.18
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	3	0.18
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	5	0.18
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	5	0.18
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	1	0.18
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	1	0.18
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	1	0.18
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	1	0.18
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	1	0.18
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	3	0.18
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	3	0.18
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	3	0.18
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	3	0.18
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	3	0.18
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	3	0.18
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	3	0.18
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	3	0.18
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	3	0.18
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	14	0.18
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	14	0.18
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	14	0.18
(1,534)	1:A:56:ILE:HA	1:A:17:HIS:HB3	15	0.18
(1,534)	1:A:56:ILE:HA	1:A:17:HIS:HB2	15	0.18
(1,515)	1:A:46:LEU:HD12	1:A:47:PHE:HE2	20	0.18
(1,515)	1:A:46:LEU:HD11	1:A:47:PHE:HE1	20	0.18
(1,515)	1:A:46:LEU:HD11	1:A:47:PHE:HE2	20	0.18
(1,515)	1:A:46:LEU:HD13	1:A:47:PHE:HE1	20	0.18
(1,515)	1:A:46:LEU:HD13	1:A:47:PHE:HE2	20	0.18
(1,515)	1:A:46:LEU:HD22	1:A:47:PHE:HE1	20	0.18
(1,515)	1:A:46:LEU:HD21	1:A:47:PHE:HE1	20	0.18
(1,515)	1:A:46:LEU:HD12	1:A:47:PHE:HE1	20	0.18
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	16	0.18
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	16	0.18
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	16	0.18
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	16	0.18
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	16	0.18
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	16	0.18
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	16	0.18
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	16	0.18
(1,490)	1:A:37:VAL:HG11	2:B:214:GLY:HA3	4	0.18
(1,490)	1:A:37:VAL:HG13	2:B:214:GLY:HA3	4	0.18
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA2	4	0.18
(1,490)	1:A:37:VAL:HG22	2:B:214:GLY:HA3	4	0.18
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA2	4	0.18
(1,490)	1:A:37:VAL:HG21	2:B:214:GLY:HA3	4	0.18
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA2	4	0.18
(1,490)	1:A:37:VAL:HG23	2:B:214:GLY:HA3	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:A:34:ALA:HA	2:B:225:LYS:HE2	5	0.18
(1,486)	1:A:34:ALA:HA	2:B:225:LYS:HE3	5	0.18
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	20	0.18
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	20	0.18
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	20	0.18
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	3	0.18
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	3	0.18
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	3	0.18
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	3	0.18
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	3	0.18
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	6	0.18
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	6	0.18
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	6	0.18
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	6	0.18
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	6	0.18
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE1	17	0.18
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE2	17	0.18
(1,463)	1:A:28:ILE:HD11	1:A:47:PHE:HE2	17	0.18
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE1	17	0.18
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE2	17	0.18
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	15	0.18
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	15	0.18
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	16	0.18
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	16	0.18
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	18	0.18
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	18	0.18
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	18	0.18
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	18	0.18
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	18	0.18
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	18	0.18
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	18	0.18
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	18	0.18
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	18	0.18
(1,431)	1:A:15:ILE:HG22	2:B:227:LEU:HA	8	0.18
(1,431)	1:A:15:ILE:HG21	2:B:227:LEU:HA	8	0.18
(1,431)	1:A:15:ILE:HG23	2:B:227:LEU:HA	8	0.18
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	15	0.18
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	15	0.18
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG12	16	0.18
(1,423)	1:A:14:LEU:HD13	1:A:56:ILE:HG13	16	0.18
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB2	16	0.18
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB1	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:A:14:LEU:HD22	2:B:205:ALA:HB3	16	0.18
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB2	16	0.18
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB1	16	0.18
(1,423)	1:A:14:LEU:HD21	2:B:205:ALA:HB3	16	0.18
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB2	16	0.18
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB1	16	0.18
(1,423)	1:A:14:LEU:HD23	2:B:205:ALA:HB3	16	0.18
(1,423)	1:A:14:LEU:HD12	1:A:56:ILE:HG13	16	0.18
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG12	16	0.18
(1,423)	1:A:14:LEU:HD11	1:A:56:ILE:HG13	16	0.18
(1,422)	1:A:14:LEU:HD22	1:A:11:TYR:HA	11	0.18
(1,422)	1:A:14:LEU:HD21	1:A:11:TYR:HA	11	0.18
(1,422)	1:A:14:LEU:HD23	1:A:11:TYR:HA	11	0.18
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	18	0.18
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	18	0.18
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	18	0.18
(1,406)	1:A:10:ILE:HD12	1:A:60:ILE:HA	17	0.18
(1,406)	1:A:10:ILE:HD11	1:A:60:ILE:HA	17	0.18
(1,406)	1:A:10:ILE:HD13	1:A:60:ILE:HA	17	0.18
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG12	11	0.18
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG11	11	0.18
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG13	11	0.18
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG22	11	0.18
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG23	11	0.18
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG2	2	0.18
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG3	2	0.18
(1,23)	1:A:19:ASP:H	1:A:19:ASP:HB2	11	0.18
(1,23)	1:A:19:ASP:H	1:A:19:ASP:HB3	11	0.18
(1,23)	1:A:19:ASP:H	1:A:18:ASP:HB3	11	0.18
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	5	0.18
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	5	0.18
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	16	0.18
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	16	0.18
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD11	2	0.18
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD13	2	0.18
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD12	2	0.18
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB2	3	0.18
(1,134)	1:A:97:LYS:H	1:A:97:LYS:HB3	3	0.18
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG3	18	0.18
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG2	18	0.18
(1,1251)	2:B:273:VAL:HA	2:B:273:VAL:HB	16	0.18
(1,1250)	2:B:271:VAL:HA	2:B:271:VAL:HB	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	17	0.18
(1,1204)	2:B:293:GLU:H	2:B:293:GLU:HA	4	0.18
(1,1204)	2:B:293:GLU:H	2:B:293:GLU:HA	8	0.18
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	5	0.18
(1,1197)	2:B:284:ALA:H	2:B:284:ALA:HA	16	0.18
(1,1031)	2:B:206:SER:H	2:B:223:ILE:HG12	8	0.18
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	18	0.18
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	7	0.18
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	9	0.18
(1,1003)	1:A:99:GLU:H	1:A:99:GLU:HA	16	0.18
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	12	0.18
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	18	0.18
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	8	0.17
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	10	0.17
(2,58)	1:A:50:ALA:H	1:A:46:LEU:O	9	0.17
(2,55)	1:A:49:LYS:N	1:A:45:GLY:O	14	0.17
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	3	0.17
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	16	0.17
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	13	0.17
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	6	0.17
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	16	0.17
(2,105)	2:B:245:GLU:N	2:B:241:LYS:O	14	0.17
(1,999)	1:A:94:VAL:H	1:A:94:VAL:HB	5	0.17
(1,999)	1:A:94:VAL:H	1:A:94:VAL:HB	9	0.17
(1,974)	1:A:63:VAL:H	1:A:62:ASN:HA	7	0.17
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	16	0.17
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	18	0.17
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	7	0.17
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	15	0.17
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	17	0.17
(1,870)	2:B:259:ILE:HD12	1:A:7:LEU:HA	19	0.17
(1,870)	2:B:259:ILE:HD12	1:A:10:ILE:HA	19	0.17
(1,870)	2:B:259:ILE:HD11	1:A:7:LEU:HA	19	0.17
(1,870)	2:B:259:ILE:HD11	1:A:10:ILE:HA	19	0.17
(1,870)	2:B:259:ILE:HD13	1:A:7:LEU:HA	19	0.17
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	6	0.17
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	6	0.17
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	6	0.17
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	11	0.17
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	11	0.17
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	11	0.17
(1,868)	2:B:259:ILE:HD11	1:A:60:ILE:HG13	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	2:B:259:ILE:HD13	1:A:60:ILE:HG13	3	0.17
(1,868)	2:B:259:ILE:HD12	1:A:60:ILE:HG12	3	0.17
(1,868)	2:B:259:ILE:HD12	1:A:60:ILE:HG13	3	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	1	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	1	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	1	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	1	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	1	0.17
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	1	0.17
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	1	0.17
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	1	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	1	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	1	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	1	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	1	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	1	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	1	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	7	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	7	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	7	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	7	0.17
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	7	0.17
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	7	0.17
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	7	0.17
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	7	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	7	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	7	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	7	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	7	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	7	0.17
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	7	0.17
(1,865)	2:B:255:ILE:HG22	1:A:7:LEU:HA	2	0.17
(1,865)	2:B:255:ILE:HG21	1:A:7:LEU:HA	2	0.17
(1,865)	2:B:255:ILE:HG23	1:A:7:LEU:HA	2	0.17
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	6	0.17
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	6	0.17
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	9	0.17
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	9	0.17
(1,847)	2:B:209:LEU:HD21	1:A:35:ALA:HA	6	0.17
(1,847)	2:B:209:LEU:HD12	1:A:31:LEU:HA	6	0.17
(1,847)	2:B:209:LEU:HD12	1:A:35:ALA:HA	6	0.17
(1,847)	2:B:209:LEU:HD11	1:A:31:LEU:HA	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	2:B:209:LEU:HD11	1:A:35:ALA:HA	6	0.17
(1,847)	2:B:209:LEU:HD13	1:A:31:LEU:HA	6	0.17
(1,847)	2:B:209:LEU:HD13	1:A:35:ALA:HA	6	0.17
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE2	18	0.17
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE1	18	0.17
(1,844)	2:B:208:LEU:HD12	1:A:11:TYR:HE2	18	0.17
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE1	18	0.17
(1,844)	2:B:208:LEU:HD11	1:A:11:TYR:HE2	18	0.17
(1,844)	2:B:208:LEU:HD13	1:A:11:TYR:HE1	18	0.17
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	14	0.17
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	14	0.17
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	14	0.17
(1,838)	2:B:201:MET:HE1	1:A:14:LEU:HB2	12	0.17
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB2	12	0.17
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB3	12	0.17
(1,838)	2:B:201:MET:HE2	1:A:14:LEU:HB2	12	0.17
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	16	0.17
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	16	0.17
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	16	0.17
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	20	0.17
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	20	0.17
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	20	0.17
(1,83)	1:A:49:LYS:H	1:A:49:LYS:HG2	7	0.17
(1,83)	1:A:49:LYS:H	1:A:49:LYS:HG3	7	0.17
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	18	0.17
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	18	0.17
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	18	0.17
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG22	7	0.17
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG21	7	0.17
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG23	7	0.17
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG22	7	0.17
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG21	7	0.17
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG23	7	0.17
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG22	7	0.17
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG21	7	0.17
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG23	7	0.17
(1,807)	1:A:15:ILE:HG22	2:B:232:ILE:HB	13	0.17
(1,807)	1:A:15:ILE:HG21	2:B:209:LEU:HG	13	0.17
(1,807)	1:A:15:ILE:HG21	2:B:232:ILE:HB	13	0.17
(1,807)	1:A:15:ILE:HG23	2:B:232:ILE:HB	13	0.17
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	10	0.17
(1,797)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG12	10	0.17
(1,797)	1:A:7:LEU:HD12	2:B:255:ILE:HG13	10	0.17
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	10	0.17
(1,797)	1:A:7:LEU:HD11	2:B:212:LEU:HB3	10	0.17
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	10	0.17
(1,797)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	10	0.17
(1,797)	1:A:7:LEU:HD13	2:B:255:ILE:HG13	10	0.17
(1,789)	2:B:309:MET:HA	2:B:309:MET:HG2	12	0.17
(1,789)	2:B:309:MET:HA	2:B:309:MET:HG3	12	0.17
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	3	0.17
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	3	0.17
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	3	0.17
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	3	0.17
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	3	0.17
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	9	0.17
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	9	0.17
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	9	0.17
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	9	0.17
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	9	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	2	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	2	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	7	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	7	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	8	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	8	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	12	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	12	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	15	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	15	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	16	0.17
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	16	0.17
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	4	0.17
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	4	0.17
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	4	0.17
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	13	0.17
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	13	0.17
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	13	0.17
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG2	10	0.17
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG3	10	0.17
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	7	0.17
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	7	0.17
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	7	0.17
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	7	0.17
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	12	0.17
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	12	0.17
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	12	0.17
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	12	0.17
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	12	0.17
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD22	15	0.17
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD21	15	0.17
(1,730)	2:B:254:VAL:HG11	2:B:246:LEU:HD23	15	0.17
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD22	15	0.17
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD21	15	0.17
(1,730)	2:B:254:VAL:HG13	2:B:246:LEU:HD23	15	0.17
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD22	15	0.17
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD21	15	0.17
(1,730)	2:B:254:VAL:HG22	2:B:246:LEU:HD23	15	0.17
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD22	15	0.17
(1,730)	2:B:254:VAL:HG21	2:B:246:LEU:HD23	15	0.17
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD22	15	0.17
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD21	15	0.17
(1,730)	2:B:254:VAL:HG23	2:B:246:LEU:HD23	15	0.17
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD22	15	0.17
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD21	15	0.17
(1,730)	2:B:254:VAL:HG12	2:B:246:LEU:HD23	15	0.17
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	15	0.17
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	15	0.17
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	15	0.17
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	15	0.17
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	15	0.17
(1,715)	2:B:246:LEU:HD12	2:B:246:LEU:HA	6	0.17
(1,715)	2:B:246:LEU:HD22	2:B:246:LEU:HA	6	0.17
(1,715)	2:B:246:LEU:HD21	2:B:246:LEU:HA	6	0.17
(1,715)	2:B:246:LEU:HD23	2:B:246:LEU:HA	6	0.17
(1,704)	2:B:243:ILE:HG22	2:B:240:ASN:HA	13	0.17
(1,704)	2:B:243:ILE:HG21	2:B:240:ASN:HA	13	0.17
(1,704)	2:B:243:ILE:HG23	2:B:240:ASN:HA	13	0.17
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	4	0.17
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	4	0.17
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	4	0.17
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	4	0.17
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	6	0.17
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	6	0.17
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	6	0.17
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	14	0.17
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	14	0.17
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	14	0.17
(1,686)	2:B:239:LEU:HD12	2:B:220:ALA:HA	8	0.17
(1,686)	2:B:239:LEU:HD11	2:B:220:ALA:HA	8	0.17
(1,686)	2:B:239:LEU:HD13	2:B:220:ALA:HA	8	0.17
(1,686)	2:B:239:LEU:HD22	2:B:224:LYS:HA	8	0.17
(1,686)	2:B:239:LEU:HD21	2:B:224:LYS:HA	8	0.17
(1,686)	2:B:239:LEU:HD23	2:B:224:LYS:HA	8	0.17
(1,685)	2:B:239:LEU:HD12	2:B:239:LEU:HA	18	0.17
(1,685)	2:B:239:LEU:HD22	2:B:239:LEU:HA	18	0.17
(1,685)	2:B:239:LEU:HD21	2:B:239:LEU:HA	18	0.17
(1,685)	2:B:239:LEU:HD23	2:B:239:LEU:HA	18	0.17
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB1	18	0.17
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB3	18	0.17
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB2	18	0.17
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB1	18	0.17
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB2	18	0.17
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB1	18	0.17
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB3	18	0.17
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB1	20	0.17
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB3	20	0.17
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB2	20	0.17
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB1	20	0.17
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB2	20	0.17
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB1	20	0.17
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB3	20	0.17
(1,653)	2:B:223:ILE:HG21	2:B:206:SER:HA	14	0.17
(1,653)	2:B:223:ILE:HG23	2:B:206:SER:HA	14	0.17
(1,653)	2:B:223:ILE:HG22	2:B:206:SER:HA	14	0.17
(1,625)	2:B:209:LEU:HD12	1:A:12:SER:HA	1	0.17
(1,625)	2:B:209:LEU:HD11	1:A:12:SER:HA	1	0.17
(1,625)	2:B:209:LEU:HD13	1:A:12:SER:HA	1	0.17
(1,625)	2:B:209:LEU:HD22	1:A:12:SER:HA	1	0.17
(1,625)	2:B:209:LEU:HD21	1:A:12:SER:HA	1	0.17
(1,625)	2:B:209:LEU:HD23	1:A:12:SER:HA	1	0.17
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	11	0.17
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	11	0.17
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	6	0.17
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG2	16	0.17
(1,558)	1:A:75:ALA:HA	1:A:76:PRO:HG3	16	0.17
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG12	13	0.17
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG11	13	0.17
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG22	13	0.17
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG21	13	0.17
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG23	13	0.17
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	2	0.17
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	2	0.17
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	2	0.17
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	2	0.17
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	2	0.17
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	2	0.17
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	18	0.17
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	18	0.17
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	18	0.17
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	18	0.17
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	18	0.17
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	18	0.17
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB2	5	0.17
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB3	5	0.17
(1,515)	1:A:46:LEU:HD12	1:A:47:PHE:HE2	8	0.17
(1,515)	1:A:46:LEU:HD11	1:A:47:PHE:HE1	8	0.17
(1,515)	1:A:46:LEU:HD11	1:A:47:PHE:HE2	8	0.17
(1,515)	1:A:46:LEU:HD13	1:A:47:PHE:HE1	8	0.17
(1,515)	1:A:46:LEU:HD13	1:A:47:PHE:HE2	8	0.17
(1,515)	1:A:46:LEU:HD22	1:A:47:PHE:HE1	8	0.17
(1,515)	1:A:46:LEU:HD21	1:A:47:PHE:HE1	8	0.17
(1,515)	1:A:46:LEU:HD12	1:A:47:PHE:HE1	8	0.17
(1,491)	1:A:37:VAL:HG13	1:A:4:VAL:HB	11	0.17
(1,491)	1:A:37:VAL:HG22	1:A:4:VAL:HB	11	0.17
(1,491)	1:A:37:VAL:HG22	2:B:212:LEU:HB3	11	0.17
(1,491)	1:A:37:VAL:HG21	1:A:4:VAL:HB	11	0.17
(1,491)	1:A:37:VAL:HG21	2:B:212:LEU:HB3	11	0.17
(1,491)	1:A:37:VAL:HG23	1:A:4:VAL:HB	11	0.17
(1,491)	1:A:37:VAL:HG23	2:B:212:LEU:HB3	11	0.17
(1,491)	1:A:37:VAL:HG12	1:A:4:VAL:HB	11	0.17
(1,491)	1:A:37:VAL:HG11	1:A:4:VAL:HB	11	0.17
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	1	0.17
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	1	0.17
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	2	0.17
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	10	0.17
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	10	0.17
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	10	0.17
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	5	0.17
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	5	0.17
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	5	0.17
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	5	0.17
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	5	0.17
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	11	0.17
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	11	0.17
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	11	0.17
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	11	0.17
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	11	0.17
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	6	0.17
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	6	0.17
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	6	0.17
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	6	0.17
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	6	0.17
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	6	0.17
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	6	0.17
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	6	0.17
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	6	0.17
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	6	0.17
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	6	0.17
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	6	0.17
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE1	1	0.17
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE2	1	0.17
(1,463)	1:A:28:ILE:HD11	1:A:47:PHE:HE2	1	0.17
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE1	1	0.17
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE2	1	0.17
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	1	0.17
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	1	0.17
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	1	0.17
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	17	0.17
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	17	0.17
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	17	0.17
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	6	0.17
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	6	0.17
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	6	0.17
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	6	0.17
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	19	0.17
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	19	0.17
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	19	0.17
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	14	0.17
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	14	0.17
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	14	0.17
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	15	0.17
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	15	0.17
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	15	0.17
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG23	3	0.17
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HD12	3	0.17
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG22	3	0.17
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG21	3	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	4	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	4	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	4	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	4	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	4	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	4	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	12	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	12	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	12	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	12	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	12	0.17
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	12	0.17
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	6	0.17
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	6	0.17
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	6	0.17
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB2	17	0.17
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB3	17	0.17
(1,323)	2:B:267:ALA:H	2:B:266:PRO:HB3	8	0.17
(1,323)	2:B:267:ALA:H	2:B:266:PRO:HB2	8	0.17
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD22	8	0.17
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD21	8	0.17
(1,315)	2:B:262:LEU:H	2:B:262:LEU:HD23	8	0.17
(1,314)	2:B:261:LYS:H	2:B:261:LYS:HG2	15	0.17
(1,314)	2:B:261:LYS:H	2:B:261:LYS:HG3	15	0.17
(1,289)	2:B:250:ASN:H	2:B:249:LYS:HB2	1	0.17
(1,289)	2:B:250:ASN:H	2:B:249:LYS:HB3	1	0.17
(1,283)	2:B:247:ASN:H	2:B:246:LEU:HB2	7	0.17
(1,283)	2:B:247:ASN:H	2:B:246:LEU:HB3	7	0.17
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD12	4	0.17
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD11	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD13	4	0.17
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD11	9	0.17
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD13	9	0.17
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD12	9	0.17
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD11	19	0.17
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD13	19	0.17
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD12	19	0.17
(1,129)	1:A:94:VAL:H	1:A:93:LYS:HB2	16	0.17
(1,129)	1:A:94:VAL:H	1:A:93:LYS:HB3	16	0.17
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG3	4	0.17
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG2	4	0.17
(1,1235)	1:A:14:LEU:HG	1:A:10:ILE:HA	13	0.17
(1,1235)	1:A:14:LEU:HG	1:A:10:ILE:HA	15	0.17
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	9	0.17
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	10	0.17
(1,1204)	2:B:293:GLU:H	2:B:293:GLU:HA	20	0.17
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	9	0.17
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	15	0.17
(1,1188)	2:B:273:VAL:H	2:B:273:VAL:HB	16	0.17
(1,1162)	2:B:260:GLY:H	2:B:259:ILE:HB	14	0.17
(1,1095)	2:B:230:VAL:H	1:A:31:LEU:HG	7	0.17
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	6	0.17
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	2	0.17
(2,79)	2:B:213:GLY:N	2:B:209:LEU:O	3	0.16
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	6	0.16
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	16	0.16
(2,5)	1:A:9:CYS:N	1:A:5:SER:O	12	0.16
(2,47)	1:A:45:GLY:N	1:A:41:PRO:O	2	0.16
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	15	0.16
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	4	0.16
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	9	0.16
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	12	0.16
(2,114)	2:B:256:ALA:H	2:B:252:GLU:O	3	0.16
(2,101)	2:B:243:ILE:N	2:B:239:LEU:O	6	0.16
(1,998)	1:A:94:VAL:H	1:A:93:LYS:HA	10	0.16
(1,993)	1:A:86:ALA:H	1:A:86:ALA:HA	16	0.16
(1,98)	1:A:63:VAL:H	1:A:62:ASN:HB2	18	0.16
(1,98)	1:A:63:VAL:H	1:A:62:ASN:HB3	18	0.16
(1,974)	1:A:63:VAL:H	1:A:62:ASN:HA	11	0.16
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	5	0.16
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	6	0.16
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	12	0.16
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	13	0.16
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	14	0.16
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	19	0.16
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	19	0.16
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	19	0.16
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	19	0.16
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	19	0.16
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	19	0.16
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	19	0.16
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	19	0.16
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	19	0.16
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	19	0.16
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	19	0.16
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	19	0.16
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	19	0.16
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	19	0.16
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	11	0.16
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	11	0.16
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	11	0.16
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	11	0.16
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	11	0.16
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	11	0.16
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	11	0.16
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	11	0.16
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	11	0.16
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	11	0.16
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	11	0.16
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	11	0.16
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	11	0.16
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	11	0.16
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	9	0.16
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	9	0.16
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	9	0.16
(1,828)	1:A:59:LEU:HD12	2:B:259:ILE:HA	13	0.16
(1,828)	1:A:59:LEU:HD11	2:B:259:ILE:HA	13	0.16
(1,828)	1:A:59:LEU:HD13	2:B:259:ILE:HA	13	0.16
(1,828)	1:A:59:LEU:HD22	2:B:259:ILE:HA	13	0.16
(1,828)	1:A:59:LEU:HD21	2:B:259:ILE:HA	13	0.16
(1,827)	1:A:56:ILE:HD12	2:B:259:ILE:HG22	5	0.16
(1,827)	1:A:56:ILE:HD12	2:B:259:ILE:HG23	5	0.16
(1,827)	1:A:56:ILE:HD11	2:B:259:ILE:HG22	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:A:56:ILE:HD11	2:B:259:ILE:HG23	5	0.16
(1,827)	1:A:56:ILE:HD13	2:B:259:ILE:HG22	5	0.16
(1,827)	1:A:56:ILE:HD13	2:B:259:ILE:HG21	5	0.16
(1,827)	1:A:56:ILE:HD13	2:B:259:ILE:HG23	5	0.16
(1,827)	1:A:56:ILE:HD12	2:B:259:ILE:HG22	12	0.16
(1,827)	1:A:56:ILE:HD12	2:B:259:ILE:HG23	12	0.16
(1,827)	1:A:56:ILE:HD11	2:B:259:ILE:HG22	12	0.16
(1,827)	1:A:56:ILE:HD11	2:B:259:ILE:HG23	12	0.16
(1,827)	1:A:56:ILE:HD13	2:B:259:ILE:HG22	12	0.16
(1,827)	1:A:56:ILE:HD13	2:B:259:ILE:HG21	12	0.16
(1,827)	1:A:56:ILE:HD13	2:B:259:ILE:HG23	12	0.16
(1,826)	1:A:37:VAL:HG22	2:B:212:LEU:HG	10	0.16
(1,826)	1:A:37:VAL:HG21	2:B:212:LEU:HG	10	0.16
(1,826)	1:A:37:VAL:HG23	2:B:212:LEU:HG	10	0.16
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	20	0.16
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	20	0.16
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	20	0.16
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG22	17	0.16
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG21	17	0.16
(1,818)	1:A:31:LEU:HD22	2:B:226:ILE:HG23	17	0.16
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG22	17	0.16
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG21	17	0.16
(1,818)	1:A:31:LEU:HD21	2:B:226:ILE:HG23	17	0.16
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG22	17	0.16
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG21	17	0.16
(1,818)	1:A:31:LEU:HD23	2:B:226:ILE:HG23	17	0.16
(1,802)	1:A:14:LEU:HD12	2:B:259:ILE:HG22	20	0.16
(1,802)	1:A:14:LEU:HD12	2:B:259:ILE:HG21	20	0.16
(1,802)	1:A:14:LEU:HD12	2:B:259:ILE:HG23	20	0.16
(1,802)	1:A:14:LEU:HD12	2:B:262:LEU:HD12	20	0.16
(1,802)	1:A:14:LEU:HD12	2:B:262:LEU:HD13	20	0.16
(1,802)	1:A:14:LEU:HD12	2:B:262:LEU:HD21	20	0.16
(1,802)	1:A:14:LEU:HD11	2:B:259:ILE:HG22	20	0.16
(1,802)	1:A:14:LEU:HD11	2:B:259:ILE:HG21	20	0.16
(1,802)	1:A:14:LEU:HD11	2:B:259:ILE:HG23	20	0.16
(1,802)	1:A:14:LEU:HD22	2:B:259:ILE:HG22	20	0.16
(1,802)	1:A:14:LEU:HD22	2:B:259:ILE:HG21	20	0.16
(1,802)	1:A:14:LEU:HD22	2:B:259:ILE:HG23	20	0.16
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD12	20	0.16
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD11	20	0.16
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD13	20	0.16
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD22	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD21	20	0.16
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD23	20	0.16
(1,802)	1:A:14:LEU:HD21	2:B:259:ILE:HG22	20	0.16
(1,802)	1:A:14:LEU:HD21	2:B:259:ILE:HG21	20	0.16
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD12	20	0.16
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD11	20	0.16
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD13	20	0.16
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD22	20	0.16
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD21	20	0.16
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD23	20	0.16
(1,802)	1:A:14:LEU:HD23	2:B:259:ILE:HG22	20	0.16
(1,802)	1:A:14:LEU:HD23	2:B:259:ILE:HG21	20	0.16
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD12	20	0.16
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD11	20	0.16
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD13	20	0.16
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD21	20	0.16
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD23	20	0.16
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG22	11	0.16
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG21	11	0.16
(1,800)	1:A:10:ILE:HD12	2:B:259:ILE:HG23	11	0.16
(1,800)	1:A:10:ILE:HD11	2:B:259:ILE:HG21	11	0.16
(1,800)	1:A:10:ILE:HD11	2:B:259:ILE:HG23	11	0.16
(1,800)	1:A:10:ILE:HD13	2:B:259:ILE:HG21	11	0.16
(1,800)	1:A:10:ILE:HD13	2:B:259:ILE:HG23	11	0.16
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB2	3	0.16
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB3	3	0.16
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB2	3	0.16
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB3	3	0.16
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB2	3	0.16
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB3	3	0.16
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	2	0.16
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	2	0.16
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	3	0.16
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	3	0.16
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	14	0.16
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	14	0.16
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	10	0.16
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	10	0.16
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	10	0.16
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	10	0.16
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	10	0.16
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	3	0.16
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	11	0.16
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	11	0.16
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	19	0.16
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	19	0.16
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	5	0.16
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	5	0.16
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	5	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	5	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	5	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	5	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	5	0.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	5	0.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	5	0.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	5	0.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	5	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	5	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	5	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	5	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	5	0.16
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	8	0.16
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	8	0.16
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	8	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	8	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	8	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	8	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	8	0.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	8	0.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	8	0.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	8	0.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	8	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	8	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	8	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	8	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	8	0.16
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	20	0.16
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	20	0.16
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	20	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	20	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	20	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	20	0.16
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	20	0.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	20	0.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	20	0.16
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	20	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	20	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	20	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	20	0.16
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	20	0.16
(1,767)	2:B:311:PHE:HB2	2:B:310:GLY:HA2	19	0.16
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA2	19	0.16
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA3	19	0.16
(1,767)	2:B:311:PHE:HB3	2:B:310:GLY:HA2	19	0.16
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA2	19	0.16
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA3	19	0.16
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	19	0.16
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	19	0.16
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	19	0.16
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	19	0.16
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	19	0.16
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	19	0.16
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	19	0.16
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	19	0.16
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	11	0.16
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	11	0.16
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	11	0.16
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	11	0.16
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	16	0.16
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	16	0.16
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	16	0.16
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	16	0.16
(1,675)	2:B:232:ILE:HG22	1:A:21:VAL:HB	9	0.16
(1,675)	2:B:232:ILE:HG21	1:A:21:VAL:HB	9	0.16
(1,675)	2:B:232:ILE:HG23	1:A:21:VAL:HB	9	0.16
(1,653)	2:B:223:ILE:HG21	2:B:206:SER:HA	1	0.16
(1,653)	2:B:223:ILE:HG23	2:B:206:SER:HA	1	0.16
(1,653)	2:B:223:ILE:HG22	2:B:206:SER:HA	1	0.16
(1,653)	2:B:223:ILE:HG21	2:B:206:SER:HA	2	0.16
(1,653)	2:B:223:ILE:HG23	2:B:206:SER:HA	2	0.16
(1,653)	2:B:223:ILE:HG22	2:B:206:SER:HA	2	0.16
(1,631)	2:B:211:ALA:HB2	2:B:251:ILE:HD13	1	0.16
(1,631)	2:B:211:ALA:HB1	2:B:251:ILE:HD12	1	0.16
(1,631)	2:B:211:ALA:HB1	2:B:251:ILE:HD13	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD12	1	0.16
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD11	1	0.16
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD13	1	0.16
(1,631)	2:B:211:ALA:HB2	2:B:251:ILE:HD12	1	0.16
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	5	0.16
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	5	0.16
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	5	0.16
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	12	0.16
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	12	0.16
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	12	0.16
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG12	11	0.16
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG13	11	0.16
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG12	11	0.16
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG13	11	0.16
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG12	11	0.16
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG13	11	0.16
(1,58)	1:A:35:ALA:H	2:B:226:ILE:HG12	11	0.16
(1,58)	1:A:35:ALA:H	2:B:226:ILE:HG13	11	0.16
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	2	0.16
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	2	0.16
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	8	0.16
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	8	0.16
(1,564)	1:A:76:PRO:HD2	1:A:76:PRO:HA	15	0.16
(1,564)	1:A:76:PRO:HD3	1:A:76:PRO:HA	15	0.16
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG12	16	0.16
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG11	16	0.16
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG22	16	0.16
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG21	16	0.16
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG23	16	0.16
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	10	0.16
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	10	0.16
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	10	0.16
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	10	0.16
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	10	0.16
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	10	0.16
(1,515)	1:A:46:LEU:HD12	1:A:47:PHE:HE2	9	0.16
(1,515)	1:A:46:LEU:HD11	1:A:47:PHE:HE1	9	0.16
(1,515)	1:A:46:LEU:HD11	1:A:47:PHE:HE2	9	0.16
(1,515)	1:A:46:LEU:HD13	1:A:47:PHE:HE1	9	0.16
(1,515)	1:A:46:LEU:HD13	1:A:47:PHE:HE2	9	0.16
(1,515)	1:A:46:LEU:HD22	1:A:47:PHE:HE1	9	0.16
(1,515)	1:A:46:LEU:HD21	1:A:47:PHE:HE1	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:A:46:LEU:HD12	1:A:47:PHE:HE1	9	0.16
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	7	0.16
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	7	0.16
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	14	0.16
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	14	0.16
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	19	0.16
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	19	0.16
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	19	0.16
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	18	0.16
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	18	0.16
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	18	0.16
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	18	0.16
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	18	0.16
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	12	0.16
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	12	0.16
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	12	0.16
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	12	0.16
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	12	0.16
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	19	0.16
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	19	0.16
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	19	0.16
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	19	0.16
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	19	0.16
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	8	0.16
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	8	0.16
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	8	0.16
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	8	0.16
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	6	0.16
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	6	0.16
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	6	0.16
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	11	0.16
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	11	0.16
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	11	0.16
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	12	0.16
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	12	0.16
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	8	0.16
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	8	0.16
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	8	0.16
(1,405)	1:A:10:ILE:HD11	1:A:47:PHE:HE2	17	0.16
(1,405)	1:A:10:ILE:HD13	1:A:47:PHE:HE1	17	0.16
(1,405)	1:A:10:ILE:HD13	1:A:47:PHE:HE2	17	0.16
(1,405)	1:A:10:ILE:HD12	1:A:47:PHE:HE1	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:A:10:ILE:HD12	1:A:47:PHE:HE2	17	0.16
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB2	14	0.16
(1,398)	1:A:7:LEU:HD12	2:B:212:LEU:HB3	14	0.16
(1,398)	1:A:7:LEU:HD11	2:B:212:LEU:HB2	14	0.16
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB2	14	0.16
(1,398)	1:A:7:LEU:HD13	2:B:212:LEU:HB3	14	0.16
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB2	1	0.16
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB3	1	0.16
(1,368)	2:B:303:GLU:H	2:B:303:GLU:HG2	1	0.16
(1,368)	2:B:303:GLU:H	2:B:303:GLU:HG3	1	0.16
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG12	20	0.16
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG11	20	0.16
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG13	20	0.16
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG22	20	0.16
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG21	20	0.16
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG2	5	0.16
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG3	5	0.16
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG2	9	0.16
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG3	9	0.16
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG2	13	0.16
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG3	13	0.16
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG2	20	0.16
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG3	20	0.16
(1,23)	1:A:19:ASP:H	1:A:19:ASP:HB2	7	0.16
(1,23)	1:A:19:ASP:H	1:A:19:ASP:HB3	7	0.16
(1,23)	1:A:19:ASP:H	1:A:18:ASP:HB3	7	0.16
(1,153)	1:A:106:ASP:H	1:A:106:ASP:HB2	4	0.16
(1,153)	1:A:106:ASP:H	1:A:106:ASP:HB3	4	0.16
(1,151)	1:A:104:SER:H	1:A:103:GLU:HG2	15	0.16
(1,151)	1:A:104:SER:H	1:A:103:GLU:HG3	15	0.16
(1,1235)	1:A:14:LEU:HG	1:A:10:ILE:HA	14	0.16
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	7	0.16
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	11	0.16
(1,1204)	2:B:293:GLU:H	2:B:293:GLU:HA	12	0.16
(1,1204)	2:B:293:GLU:H	2:B:293:GLU:HA	14	0.16
(1,1203)	2:B:292:GLU:H	2:B:292:GLU:HA	13	0.16
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	6	0.16
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	12	0.16
(1,1188)	2:B:273:VAL:H	2:B:273:VAL:HB	1	0.16
(1,1185)	2:B:272:ALA:H	2:B:271:VAL:HB	20	0.16
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	15	0.16
(1,1018)	1:A:113:PHE:H	1:A:113:PHE:HZ	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:A:101:SER:H	1:A:100:GLU:HA	12	0.16
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	8	0.16
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	20	0.16
(2,81)	2:B:223:ILE:N	2:B:219:SER:O	10	0.15
(2,80)	2:B:213:GLY:H	2:B:209:LEU:O	11	0.15
(2,73)	2:B:210:ALA:N	2:B:206:SER:O	3	0.15
(2,67)	2:B:207:TYR:N	2:B:203:TYR:O	16	0.15
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	12	0.15
(2,5)	1:A:9:CYS:N	1:A:5:SER:O	18	0.15
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	10	0.15
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	14	0.15
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	14	0.15
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	17	0.15
(2,105)	2:B:245:GLU:N	2:B:241:LYS:O	8	0.15
(2,105)	2:B:245:GLU:N	2:B:241:LYS:O	11	0.15
(1,973)	1:A:63:VAL:H	1:A:43:TRP:HZ3	6	0.15
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	2	0.15
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	13	0.15
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	4	0.15
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	2	0.15
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	2	0.15
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	2	0.15
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	17	0.15
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	17	0.15
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	17	0.15
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	20	0.15
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	20	0.15
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	20	0.15
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE1	7	0.15
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE2	7	0.15
(1,867)	2:B:255:ILE:HD11	1:A:11:TYR:HE1	7	0.15
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE1	7	0.15
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE2	7	0.15
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	2	0.15
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	2	0.15
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	2	0.15
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	2	0.15
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	2	0.15
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	2	0.15
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	2	0.15
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	2	0.15
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	2	0.15
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	2	0.15
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	2	0.15
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	2	0.15
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	2	0.15
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB2	19	0.15
(1,86)	1:A:52:ALA:H	1:A:51:LEU:HB3	19	0.15
(1,857)	2:B:230:VAL:HG12	1:A:31:LEU:HG	16	0.15
(1,857)	2:B:230:VAL:HG13	1:A:31:LEU:HG	16	0.15
(1,857)	2:B:230:VAL:HG22	1:A:31:LEU:HG	16	0.15
(1,857)	2:B:230:VAL:HG21	1:A:31:LEU:HG	16	0.15
(1,857)	2:B:230:VAL:HG23	1:A:31:LEU:HG	16	0.15
(1,838)	2:B:201:MET:HE1	1:A:14:LEU:HB2	4	0.15
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB2	4	0.15
(1,838)	2:B:201:MET:HE3	1:A:14:LEU:HB3	4	0.15
(1,838)	2:B:201:MET:HE2	1:A:14:LEU:HB2	4	0.15
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	8	0.15
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	8	0.15
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	8	0.15
(1,828)	1:A:59:LEU:HD12	2:B:259:ILE:HA	10	0.15
(1,828)	1:A:59:LEU:HD11	2:B:259:ILE:HA	10	0.15
(1,828)	1:A:59:LEU:HD13	2:B:259:ILE:HA	10	0.15
(1,828)	1:A:59:LEU:HD22	2:B:259:ILE:HA	10	0.15
(1,828)	1:A:59:LEU:HD21	2:B:259:ILE:HA	10	0.15
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	7	0.15
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	7	0.15
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	7	0.15
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	13	0.15
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	13	0.15
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	13	0.15
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	15	0.15
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	15	0.15
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	15	0.15
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	19	0.15
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	19	0.15
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	19	0.15
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD12	2	0.15
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD11	2	0.15
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD13	2	0.15
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD21	2	0.15
(1,798)	1:A:7:LEU:HD12	2:B:212:LEU:HD23	2	0.15
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD12	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD11	2	0.15
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD13	2	0.15
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD21	2	0.15
(1,798)	1:A:7:LEU:HD11	2:B:212:LEU:HD23	2	0.15
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD12	2	0.15
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD11	2	0.15
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD13	2	0.15
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD21	2	0.15
(1,798)	1:A:7:LEU:HD13	2:B:212:LEU:HD23	2	0.15
(1,784)	2:B:296:ASP:HA	2:B:296:ASP:HB2	18	0.15
(1,784)	2:B:296:ASP:HA	2:B:296:ASP:HB3	18	0.15
(1,784)	2:B:296:ASP:HA	2:B:296:ASP:HB2	19	0.15
(1,784)	2:B:296:ASP:HA	2:B:296:ASP:HB3	19	0.15
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB2	14	0.15
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB3	14	0.15
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	8	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	8	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	8	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	8	0.15
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	8	0.15
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	12	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	12	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	12	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	12	0.15
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	12	0.15
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	18	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	18	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	18	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	18	0.15
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	18	0.15
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	19	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	19	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	19	0.15
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	19	0.15
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	19	0.15
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	4	0.15
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	4	0.15
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA2	5	0.15
(1,775)	2:B:277:PRO:HA	2:B:278:GLY:HA3	5	0.15
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	7	0.15
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	7	0.15
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	2:B:311:PHE:HA	2:B:310:GLY:HA2	9	0.15
(1,766)	2:B:311:PHE:HA	2:B:310:GLY:HA3	9	0.15
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG2	5	0.15
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG3	5	0.15
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG2	11	0.15
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG3	11	0.15
(1,745)	2:B:262:LEU:HD12	2:B:262:LEU:HA	13	0.15
(1,745)	2:B:262:LEU:HD22	2:B:262:LEU:HA	13	0.15
(1,745)	2:B:262:LEU:HD21	2:B:262:LEU:HA	13	0.15
(1,745)	2:B:262:LEU:HD23	2:B:262:LEU:HA	13	0.15
(1,745)	2:B:262:LEU:HD12	2:B:262:LEU:HA	16	0.15
(1,745)	2:B:262:LEU:HD22	2:B:262:LEU:HA	16	0.15
(1,745)	2:B:262:LEU:HD21	2:B:262:LEU:HA	16	0.15
(1,745)	2:B:262:LEU:HD23	2:B:262:LEU:HA	16	0.15
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	3	0.15
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	3	0.15
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	3	0.15
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	3	0.15
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	3	0.15
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	8	0.15
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	8	0.15
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	8	0.15
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	12	0.15
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	12	0.15
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	12	0.15
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	12	0.15
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	12	0.15
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	4	0.15
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	4	0.15
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	4	0.15
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	3	0.15
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	3	0.15
(1,705)	2:B:243:ILE:HG21	2:B:207:TYR:HE2	16	0.15
(1,705)	2:B:243:ILE:HG23	2:B:207:TYR:HE2	16	0.15
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	13	0.15
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	13	0.15
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	13	0.15
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	13	0.15
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE2	3	0.15
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE3	3	0.15
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE2	3	0.15
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE3	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE2	3	0.15
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE3	3	0.15
(1,687)	2:B:239:LEU:HD13	2:B:224:LYS:HE3	3	0.15
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE2	3	0.15
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE3	3	0.15
(1,675)	2:B:232:ILE:HG22	1:A:21:VAL:HB	7	0.15
(1,675)	2:B:232:ILE:HG21	1:A:21:VAL:HB	7	0.15
(1,675)	2:B:232:ILE:HG23	1:A:21:VAL:HB	7	0.15
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB1	10	0.15
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB3	10	0.15
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB2	10	0.15
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB1	10	0.15
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB2	10	0.15
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB1	10	0.15
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB3	10	0.15
(1,650)	2:B:223:ILE:HG22	2:B:203:TYR:HA	7	0.15
(1,650)	2:B:223:ILE:HG21	2:B:203:TYR:HA	7	0.15
(1,650)	2:B:223:ILE:HG23	2:B:203:TYR:HA	7	0.15
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	14	0.15
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	14	0.15
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	14	0.15
(1,625)	2:B:209:LEU:HD12	1:A:12:SER:HA	6	0.15
(1,625)	2:B:209:LEU:HD11	1:A:12:SER:HA	6	0.15
(1,625)	2:B:209:LEU:HD13	1:A:12:SER:HA	6	0.15
(1,625)	2:B:209:LEU:HD22	1:A:12:SER:HA	6	0.15
(1,625)	2:B:209:LEU:HD21	1:A:12:SER:HA	6	0.15
(1,625)	2:B:209:LEU:HD23	1:A:12:SER:HA	6	0.15
(1,625)	2:B:209:LEU:HD12	1:A:12:SER:HA	13	0.15
(1,625)	2:B:209:LEU:HD11	1:A:12:SER:HA	13	0.15
(1,625)	2:B:209:LEU:HD13	1:A:12:SER:HA	13	0.15
(1,625)	2:B:209:LEU:HD22	1:A:12:SER:HA	13	0.15
(1,625)	2:B:209:LEU:HD21	1:A:12:SER:HA	13	0.15
(1,625)	2:B:209:LEU:HD23	1:A:12:SER:HA	13	0.15
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	11	0.15
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	11	0.15
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	11	0.15
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	3	0.15
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	3	0.15
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	3	0.15
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	3	0.15
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	3	0.15
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	3	0.15
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	3	0.15
(1,601)	2:B:212:LEU:HD12	2:B:212:LEU:HA	9	0.15
(1,601)	2:B:212:LEU:HD11	2:B:212:LEU:HA	9	0.15
(1,601)	2:B:212:LEU:HD13	2:B:212:LEU:HA	9	0.15
(1,601)	2:B:212:LEU:HD23	2:B:212:LEU:HA	9	0.15
(1,601)	2:B:212:LEU:HD12	2:B:212:LEU:HA	18	0.15
(1,601)	2:B:212:LEU:HD11	2:B:212:LEU:HA	18	0.15
(1,601)	2:B:212:LEU:HD13	2:B:212:LEU:HA	18	0.15
(1,601)	2:B:212:LEU:HD23	2:B:212:LEU:HA	18	0.15
(1,599)	1:A:55:ASN:HB2	1:A:56:ILE:HG22	18	0.15
(1,599)	1:A:55:ASN:HB2	1:A:56:ILE:HG21	18	0.15
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG22	18	0.15
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG21	18	0.15
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG23	18	0.15
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG21	19	0.15
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG23	19	0.15
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG22	19	0.15
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG12	7	0.15
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG11	7	0.15
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG22	7	0.15
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG21	7	0.15
(1,555)	1:A:63:VAL:HA	1:A:63:VAL:HG23	7	0.15
(1,550)	1:A:60:ILE:HD12	1:A:60:ILE:HA	18	0.15
(1,550)	1:A:60:ILE:HD11	1:A:60:ILE:HA	18	0.15
(1,550)	1:A:60:ILE:HD13	1:A:60:ILE:HA	18	0.15
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	6	0.15
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	6	0.15
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	6	0.15
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	6	0.15
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	6	0.15
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	6	0.15
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	10	0.15
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	10	0.15
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	10	0.15
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	10	0.15
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	10	0.15
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	10	0.15
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	11	0.15
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	11	0.15
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	11	0.15
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	11	0.15
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	11	0.15
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	18	0.15
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	18	0.15
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	18	0.15
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	19	0.15
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	19	0.15
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	19	0.15
(1,539)	1:A:56:ILE:HD12	1:A:17:HIS:HA	4	0.15
(1,539)	1:A:56:ILE:HD11	1:A:17:HIS:HA	4	0.15
(1,539)	1:A:56:ILE:HD13	1:A:17:HIS:HA	4	0.15
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB2	10	0.15
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB3	10	0.15
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB2	10	0.15
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB3	10	0.15
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB2	10	0.15
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB3	10	0.15
(1,523)	1:A:51:LEU:HD12	1:A:47:PHE:HA	18	0.15
(1,523)	1:A:51:LEU:HD11	1:A:47:PHE:HA	18	0.15
(1,523)	1:A:51:LEU:HD13	1:A:47:PHE:HA	18	0.15
(1,502)	1:A:39:VAL:HG12	1:A:43:TRP:HD1	19	0.15
(1,502)	1:A:39:VAL:HG11	1:A:43:TRP:HD1	19	0.15
(1,502)	1:A:39:VAL:HG13	1:A:43:TRP:HD1	19	0.15
(1,502)	1:A:39:VAL:HG22	1:A:43:TRP:HD1	19	0.15
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	7	0.15
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	7	0.15
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	7	0.15
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	10	0.15
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	10	0.15
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	10	0.15
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	10	0.15
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	10	0.15
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	12	0.15
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	12	0.15
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	12	0.15
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	13	0.15
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	13	0.15
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	13	0.15
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	18	0.15
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	18	0.15
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	18	0.15
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	20	0.15
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	20	0.15
(1,452)	1:A:23:VAL:HG22	1:A:48:ALA:HA	15	0.15
(1,452)	1:A:23:VAL:HG21	1:A:48:ALA:HA	15	0.15
(1,452)	1:A:23:VAL:HG23	1:A:48:ALA:HA	15	0.15
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	16	0.15
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	16	0.15
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	16	0.15
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	16	0.15
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	16	0.15
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	16	0.15
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	16	0.15
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	16	0.15
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	16	0.15
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	16	0.15
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	16	0.15
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	16	0.15
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	16	0.15
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	16	0.15
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	16	0.15
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	5	0.15
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	5	0.15
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	5	0.15
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	13	0.15
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	13	0.15
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	13	0.15
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	19	0.15
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	19	0.15
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	19	0.15
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG23	16	0.15
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HD12	16	0.15
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG22	16	0.15
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG21	16	0.15
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	7	0.15
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	7	0.15
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	18	0.15
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	18	0.15
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	7	0.15
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	7	0.15
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	7	0.15
(1,372)	2:B:307:ASP:H	2:B:307:ASP:HB3	1	0.15
(1,372)	2:B:307:ASP:H	2:B:307:ASP:HB2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	2:B:307:ASP:H	2:B:307:ASP:HB3	2	0.15
(1,372)	2:B:307:ASP:H	2:B:307:ASP:HB2	2	0.15
(1,311)	2:B:260:GLY:H	1:A:60:ILE:HD12	20	0.15
(1,311)	2:B:260:GLY:H	1:A:60:ILE:HD11	20	0.15
(1,311)	2:B:260:GLY:H	1:A:60:ILE:HD13	20	0.15
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD12	15	0.15
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD11	15	0.15
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD13	15	0.15
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG2	7	0.15
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG3	7	0.15
(1,221)	2:B:224:LYS:H	2:B:224:LYS:HD2	7	0.15
(1,221)	2:B:224:LYS:H	2:B:224:LYS:HD3	7	0.15
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE1	4	0.15
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE2	4	0.15
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE1	8	0.15
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE2	8	0.15
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE1	20	0.15
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE2	20	0.15
(1,153)	1:A:106:ASP:H	1:A:106:ASP:HB2	20	0.15
(1,153)	1:A:106:ASP:H	1:A:106:ASP:HB3	20	0.15
(1,151)	1:A:104:SER:H	1:A:103:GLU:HG2	14	0.15
(1,151)	1:A:104:SER:H	1:A:103:GLU:HG3	14	0.15
(1,144)	1:A:102:GLU:H	1:A:101:SER:HB2	15	0.15
(1,144)	1:A:102:GLU:H	1:A:101:SER:HB3	15	0.15
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG2	1	0.15
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG3	1	0.15
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG2	5	0.15
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG3	5	0.15
(1,1252)	1:A:37:VAL:N	1:A:33:LYS:O	1	0.15
(1,1252)	1:A:37:VAL:N	1:A:32:ILE:O	1	0.15
(1,1235)	1:A:14:LEU:HG	1:A:10:ILE:HA	16	0.15
(1,1235)	1:A:14:LEU:HG	1:A:10:ILE:HA	18	0.15
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	5	0.15
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	15	0.15
(1,1204)	2:B:293:GLU:H	2:B:293:GLU:HA	1	0.15
(1,1204)	2:B:293:GLU:H	2:B:293:GLU:HA	18	0.15
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	5	0.15
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	11	0.15
(1,1201)	2:B:289:ALA:H	2:B:288:PRO:HA	18	0.15
(1,1194)	2:B:280:ALA:H	2:B:279:SER:HA	16	0.15
(1,1185)	2:B:272:ALA:H	2:B:271:VAL:HB	5	0.15
(1,1173)	2:B:267:ALA:H	2:B:267:ALA:HA	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	2	0.15
(1,1031)	2:B:206:SER:H	2:B:223:ILE:HG12	18	0.15
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	7	0.15
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	17	0.15
(1,1010)	1:A:106:ASP:H	1:A:106:ASP:HA	9	0.15
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	16	0.15
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	9	0.14
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	13	0.14
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	18	0.14
(2,5)	1:A:9:CYS:N	1:A:5:SER:O	14	0.14
(2,5)	1:A:9:CYS:N	1:A:5:SER:O	19	0.14
(2,47)	1:A:45:GLY:N	1:A:41:PRO:O	20	0.14
(2,44)	1:A:42:PHE:H	1:A:40:GLU:O	4	0.14
(2,25)	1:A:28:ILE:N	1:A:24:THR:O	14	0.14
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	11	0.14
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	16	0.14
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	20	0.14
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	2	0.14
(2,101)	2:B:243:ILE:N	2:B:239:LEU:O	15	0.14
(1,990)	1:A:83:SER:H	1:A:83:SER:HA	13	0.14
(1,990)	1:A:83:SER:H	1:A:83:SER:HA	19	0.14
(1,988)	1:A:77:ALA:H	1:A:77:ALA:HA	19	0.14
(1,98)	1:A:63:VAL:H	1:A:62:ASN:HB2	19	0.14
(1,98)	1:A:63:VAL:H	1:A:62:ASN:HB3	19	0.14
(1,975)	1:A:63:VAL:H	1:A:61:CYS:HA	9	0.14
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	6	0.14
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	15	0.14
(1,935)	1:A:39:VAL:H	1:A:38:ASN:H	12	0.14
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG22	13	0.14
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG21	13	0.14
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG23	13	0.14
(1,901)	1:A:19:ASP:H	1:A:16:LEU:HA	2	0.14
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	9	0.14
(1,876)	1:A:4:VAL:H	1:A:5:SER:HA	11	0.14
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	7	0.14
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	7	0.14
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	7	0.14
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	11	0.14
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	11	0.14
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	11	0.14
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	11	0.14
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	11	0.14
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	11	0.14
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	11	0.14
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	11	0.14
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	11	0.14
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	11	0.14
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	11	0.14
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	11	0.14
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	11	0.14
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	3	0.14
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	3	0.14
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	3	0.14
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	10	0.14
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	10	0.14
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	10	0.14
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	7	0.14
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	7	0.14
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	7	0.14
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	10	0.14
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	10	0.14
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	10	0.14
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG21	20	0.14
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG23	20	0.14
(1,834)	1:A:1:MET:HE1	2:B:255:ILE:HG21	20	0.14
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG22	20	0.14
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG21	20	0.14
(1,834)	1:A:1:MET:HE3	2:B:255:ILE:HG23	20	0.14
(1,834)	1:A:1:MET:HE2	2:B:255:ILE:HG22	20	0.14
(1,830)	1:A:60:ILE:HD12	2:B:259:ILE:HG23	2	0.14
(1,830)	1:A:60:ILE:HD11	2:B:259:ILE:HG22	2	0.14
(1,830)	1:A:60:ILE:HD11	2:B:259:ILE:HG23	2	0.14
(1,830)	1:A:60:ILE:HD13	2:B:259:ILE:HG22	2	0.14
(1,830)	1:A:60:ILE:HD13	2:B:259:ILE:HG23	2	0.14
(1,830)	1:A:60:ILE:HD12	2:B:259:ILE:HG22	2	0.14
(1,830)	1:A:60:ILE:HD12	2:B:259:ILE:HG21	2	0.14
(1,828)	1:A:59:LEU:HD12	2:B:259:ILE:HA	4	0.14
(1,828)	1:A:59:LEU:HD11	2:B:259:ILE:HA	4	0.14
(1,828)	1:A:59:LEU:HD13	2:B:259:ILE:HA	4	0.14
(1,828)	1:A:59:LEU:HD22	2:B:259:ILE:HA	4	0.14
(1,828)	1:A:59:LEU:HD21	2:B:259:ILE:HA	4	0.14
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	5	0.14
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	5	0.14
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	6	0.14
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	6	0.14
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	6	0.14
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	16	0.14
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	16	0.14
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	16	0.14
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB2	13	0.14
(1,794)	1:A:4:VAL:HG12	2:B:212:LEU:HB3	13	0.14
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB2	13	0.14
(1,794)	1:A:4:VAL:HG11	2:B:212:LEU:HB3	13	0.14
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB2	13	0.14
(1,794)	1:A:4:VAL:HG13	2:B:212:LEU:HB3	13	0.14
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	10	0.14
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	10	0.14
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	11	0.14
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	11	0.14
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	16	0.14
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	16	0.14
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	20	0.14
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	20	0.14
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	2	0.14
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	2	0.14
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	2	0.14
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	2	0.14
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	2	0.14
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	15	0.14
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	15	0.14
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	15	0.14
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	15	0.14
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	15	0.14
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	17	0.14
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	17	0.14
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	17	0.14
(1,770)	2:B:313:LEU:HD12	2:B:314:PHE:HD2	13	0.14
(1,770)	2:B:313:LEU:HD11	2:B:314:PHE:HD2	13	0.14
(1,770)	2:B:313:LEU:HD13	2:B:314:PHE:HD2	13	0.14
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD1	13	0.14
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HD2	13	0.14
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE1	13	0.14
(1,770)	2:B:313:LEU:HD22	2:B:314:PHE:HE2	13	0.14
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD1	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HD2	13	0.14
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE1	13	0.14
(1,770)	2:B:313:LEU:HD21	2:B:314:PHE:HE2	13	0.14
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD1	13	0.14
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HD2	13	0.14
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE1	13	0.14
(1,770)	2:B:313:LEU:HD23	2:B:314:PHE:HE2	13	0.14
(1,767)	2:B:311:PHE:HB2	2:B:310:GLY:HA2	2	0.14
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA2	2	0.14
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA3	2	0.14
(1,767)	2:B:311:PHE:HB3	2:B:310:GLY:HA2	2	0.14
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA2	2	0.14
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA3	2	0.14
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG2	9	0.14
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG3	9	0.14
(1,749)	2:B:262:LEU:HD22	2:B:260:GLY:HA3	10	0.14
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA2	10	0.14
(1,749)	2:B:262:LEU:HD21	2:B:260:GLY:HA3	10	0.14
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA2	10	0.14
(1,749)	2:B:262:LEU:HD23	2:B:260:GLY:HA3	10	0.14
(1,745)	2:B:262:LEU:HD12	2:B:262:LEU:HA	4	0.14
(1,745)	2:B:262:LEU:HD22	2:B:262:LEU:HA	4	0.14
(1,745)	2:B:262:LEU:HD21	2:B:262:LEU:HA	4	0.14
(1,745)	2:B:262:LEU:HD23	2:B:262:LEU:HA	4	0.14
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	5	0.14
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	5	0.14
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	5	0.14
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	5	0.14
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	5	0.14
(1,734)	2:B:254:VAL:HG12	2:B:251:ILE:HA	5	0.14
(1,734)	2:B:254:VAL:HG11	2:B:251:ILE:HA	5	0.14
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	15	0.14
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	15	0.14
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	15	0.14
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	16	0.14
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	16	0.14
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	16	0.14
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	17	0.14
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	17	0.14
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	17	0.14
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	17	0.14
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	1	0.14
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	1	0.14
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	1	0.14
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	2	0.14
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	2	0.14
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	2	0.14
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	2	0.14
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	3	0.14
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	3	0.14
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	3	0.14
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	3	0.14
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	9	0.14
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	9	0.14
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	9	0.14
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	9	0.14
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	18	0.14
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	18	0.14
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	18	0.14
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	18	0.14
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	8	0.14
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	8	0.14
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	8	0.14
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	10	0.14
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	10	0.14
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	10	0.14
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	11	0.14
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	11	0.14
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	11	0.14
(1,684)	2:B:234:ALA:HB2	2:B:224:LYS:HE2	7	0.14
(1,684)	2:B:234:ALA:HB1	2:B:224:LYS:HE2	7	0.14
(1,684)	2:B:234:ALA:HB1	2:B:224:LYS:HE3	7	0.14
(1,684)	2:B:234:ALA:HB3	2:B:224:LYS:HE2	7	0.14
(1,684)	2:B:234:ALA:HB3	2:B:224:LYS:HE3	7	0.14
(1,675)	2:B:232:ILE:HG22	1:A:21:VAL:HB	3	0.14
(1,675)	2:B:232:ILE:HG21	1:A:21:VAL:HB	3	0.14
(1,675)	2:B:232:ILE:HG23	1:A:21:VAL:HB	3	0.14
(1,675)	2:B:232:ILE:HG22	1:A:21:VAL:HB	12	0.14
(1,675)	2:B:232:ILE:HG21	1:A:21:VAL:HB	12	0.14
(1,675)	2:B:232:ILE:HG23	1:A:21:VAL:HB	12	0.14
(1,675)	2:B:232:ILE:HG22	1:A:21:VAL:HB	17	0.14
(1,675)	2:B:232:ILE:HG21	1:A:21:VAL:HB	17	0.14
(1,675)	2:B:232:ILE:HG23	1:A:21:VAL:HB	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	6	0.14
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	6	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	6	0.14
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	6	0.14
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	6	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	6	0.14
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	6	0.14
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	6	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	6	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	6	0.14
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	6	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG21	6	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	6	0.14
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	7	0.14
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	7	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	7	0.14
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	7	0.14
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	7	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	7	0.14
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	7	0.14
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	7	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	7	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	7	0.14
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	7	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG21	7	0.14
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	7	0.14
(1,657)	2:B:226:ILE:HD12	1:A:35:ALA:HA	15	0.14
(1,657)	2:B:226:ILE:HD11	1:A:35:ALA:HA	15	0.14
(1,657)	2:B:226:ILE:HD13	1:A:35:ALA:HA	15	0.14
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB1	3	0.14
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB3	3	0.14
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB2	3	0.14
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB1	3	0.14
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB2	3	0.14
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB1	3	0.14
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB3	3	0.14
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB1	16	0.14
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB3	16	0.14
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB2	16	0.14
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB1	16	0.14
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB2	16	0.14
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB1	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB3	16	0.14
(1,653)	2:B:223:ILE:HG21	2:B:206:SER:HA	6	0.14
(1,653)	2:B:223:ILE:HG23	2:B:206:SER:HA	6	0.14
(1,653)	2:B:223:ILE:HG22	2:B:206:SER:HA	6	0.14
(1,650)	2:B:223:ILE:HG22	2:B:203:TYR:HA	10	0.14
(1,650)	2:B:223:ILE:HG21	2:B:203:TYR:HA	10	0.14
(1,650)	2:B:223:ILE:HG23	2:B:203:TYR:HA	10	0.14
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	16	0.14
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	16	0.14
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	16	0.14
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB2	9	0.14
(1,637)	2:B:217:SER:HA	2:B:216:SER:HB3	9	0.14
(1,625)	2:B:209:LEU:HD12	1:A:12:SER:HA	4	0.14
(1,625)	2:B:209:LEU:HD11	1:A:12:SER:HA	4	0.14
(1,625)	2:B:209:LEU:HD13	1:A:12:SER:HA	4	0.14
(1,625)	2:B:209:LEU:HD22	1:A:12:SER:HA	4	0.14
(1,625)	2:B:209:LEU:HD21	1:A:12:SER:HA	4	0.14
(1,625)	2:B:209:LEU:HD23	1:A:12:SER:HA	4	0.14
(1,625)	2:B:209:LEU:HD12	1:A:12:SER:HA	8	0.14
(1,625)	2:B:209:LEU:HD11	1:A:12:SER:HA	8	0.14
(1,625)	2:B:209:LEU:HD13	1:A:12:SER:HA	8	0.14
(1,625)	2:B:209:LEU:HD22	1:A:12:SER:HA	8	0.14
(1,625)	2:B:209:LEU:HD21	1:A:12:SER:HA	8	0.14
(1,625)	2:B:209:LEU:HD23	1:A:12:SER:HA	8	0.14
(1,622)	2:B:209:LEU:HD22	1:A:11:TYR:HB3	3	0.14
(1,622)	2:B:209:LEU:HD21	1:A:11:TYR:HB2	3	0.14
(1,622)	2:B:209:LEU:HD21	1:A:11:TYR:HB3	3	0.14
(1,622)	2:B:209:LEU:HD23	1:A:11:TYR:HB2	3	0.14
(1,622)	2:B:209:LEU:HD23	1:A:11:TYR:HB3	3	0.14
(1,622)	2:B:209:LEU:HD22	1:A:11:TYR:HB3	5	0.14
(1,622)	2:B:209:LEU:HD21	1:A:11:TYR:HB2	5	0.14
(1,622)	2:B:209:LEU:HD21	1:A:11:TYR:HB3	5	0.14
(1,622)	2:B:209:LEU:HD23	1:A:11:TYR:HB2	5	0.14
(1,622)	2:B:209:LEU:HD23	1:A:11:TYR:HB3	5	0.14
(1,621)	2:B:209:LEU:HD22	1:A:8:ALA:HA	1	0.14
(1,621)	2:B:209:LEU:HD21	1:A:8:ALA:HA	1	0.14
(1,621)	2:B:209:LEU:HD23	1:A:8:ALA:HA	1	0.14
(1,616)	2:B:209:LEU:HD12	1:A:32:ILE:HA	17	0.14
(1,616)	2:B:209:LEU:HD11	1:A:32:ILE:HA	17	0.14
(1,616)	2:B:209:LEU:HD13	1:A:32:ILE:HA	17	0.14
(1,616)	2:B:209:LEU:HD22	1:A:32:ILE:HA	17	0.14
(1,616)	2:B:209:LEU:HD21	1:A:32:ILE:HA	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	2:B:209:LEU:HD12	1:A:32:ILE:HA	18	0.14
(1,616)	2:B:209:LEU:HD11	1:A:32:ILE:HA	18	0.14
(1,616)	2:B:209:LEU:HD13	1:A:32:ILE:HA	18	0.14
(1,616)	2:B:209:LEU:HD22	1:A:32:ILE:HA	18	0.14
(1,616)	2:B:209:LEU:HD21	1:A:32:ILE:HA	18	0.14
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	12	0.14
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	12	0.14
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	12	0.14
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	12	0.14
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	12	0.14
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	12	0.14
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	12	0.14
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	12	0.14
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD12	9	0.14
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD11	9	0.14
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD13	9	0.14
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD22	9	0.14
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD21	9	0.14
(1,607)	2:B:204:VAL:HG12	2:B:246:LEU:HD23	9	0.14
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD12	9	0.14
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD11	9	0.14
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD13	9	0.14
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD22	9	0.14
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD21	9	0.14
(1,607)	2:B:204:VAL:HG11	2:B:246:LEU:HD23	9	0.14
(1,607)	2:B:204:VAL:HG13	2:B:246:LEU:HD12	9	0.14
(1,607)	2:B:204:VAL:HG13	2:B:246:LEU:HD21	9	0.14
(1,607)	2:B:204:VAL:HG13	2:B:246:LEU:HD23	9	0.14
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD12	9	0.14
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD11	9	0.14
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD13	9	0.14
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD22	9	0.14
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD21	9	0.14
(1,607)	2:B:204:VAL:HG22	2:B:246:LEU:HD23	9	0.14
(1,607)	2:B:204:VAL:HG21	2:B:246:LEU:HD12	9	0.14
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD12	9	0.14
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD11	9	0.14
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD13	9	0.14
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD21	9	0.14
(1,607)	2:B:204:VAL:HG23	2:B:246:LEU:HD23	9	0.14
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG21	3	0.14
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG23	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG22	3	0.14
(1,582)	1:A:96:ALA:HA	1:A:95:GLU:HG2	12	0.14
(1,582)	1:A:96:ALA:HA	1:A:95:GLU:HG3	12	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	6	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	6	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	10	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	10	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	11	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	11	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	12	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	12	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	13	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	13	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	19	0.14
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	19	0.14
(1,561)	1:A:76:PRO:HA	1:A:76:PRO:HG2	5	0.14
(1,561)	1:A:76:PRO:HA	1:A:76:PRO:HG3	5	0.14
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	12	0.14
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	12	0.14
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	12	0.14
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	12	0.14
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	12	0.14
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	12	0.14
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	12	0.14
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	12	0.14
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	12	0.14
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	4	0.14
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	4	0.14
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	4	0.14
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	7	0.14
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	7	0.14
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	7	0.14
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	1	0.14
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	1	0.14
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	1	0.14
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	1	0.14
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	1	0.14
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	1	0.14
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB2	13	0.14
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB3	13	0.14
(1,523)	1:A:51:LEU:HD12	1:A:47:PHE:HA	10	0.14
(1,523)	1:A:51:LEU:HD11	1:A:47:PHE:HA	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:A:51:LEU:HD13	1:A:47:PHE:HA	10	0.14
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	10	0.14
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	10	0.14
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	6	0.14
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	6	0.14
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	6	0.14
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	4	0.14
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	4	0.14
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	4	0.14
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	4	0.14
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	4	0.14
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	7	0.14
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	7	0.14
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	7	0.14
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	7	0.14
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	7	0.14
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	11	0.14
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	11	0.14
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	11	0.14
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	11	0.14
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	11	0.14
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	16	0.14
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	16	0.14
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	16	0.14
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	16	0.14
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	16	0.14
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB2	6	0.14
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB3	6	0.14
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB2	6	0.14
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB3	6	0.14
(1,464)	1:A:28:ILE:HG23	1:A:9:CYS:HB2	6	0.14
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	3	0.14
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	3	0.14
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	3	0.14
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	6	0.14
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	6	0.14
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	6	0.14
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	7	0.14
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	7	0.14
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	7	0.14
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	8	0.14
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	8	0.14
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	10	0.14
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	10	0.14
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	10	0.14
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	11	0.14
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	11	0.14
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	11	0.14
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	14	0.14
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	14	0.14
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	14	0.14
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	16	0.14
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	16	0.14
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	16	0.14
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB2	3	0.14
(1,450)	1:A:23:VAL:HG12	1:A:48:ALA:HB1	3	0.14
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB2	3	0.14
(1,450)	1:A:23:VAL:HG11	1:A:48:ALA:HB1	3	0.14
(1,450)	1:A:23:VAL:HG22	1:A:52:ALA:HB3	3	0.14
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB2	3	0.14
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB1	3	0.14
(1,450)	1:A:23:VAL:HG22	1:A:48:ALA:HB3	3	0.14
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB2	3	0.14
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB1	3	0.14
(1,450)	1:A:23:VAL:HG21	1:A:48:ALA:HB3	3	0.14
(1,450)	1:A:23:VAL:HG23	1:A:52:ALA:HB3	3	0.14
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB2	3	0.14
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB1	3	0.14
(1,450)	1:A:23:VAL:HG23	1:A:48:ALA:HB3	3	0.14
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	5	0.14
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	5	0.14
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	9	0.14
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	9	0.14
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	9	0.14
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	1	0.14
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	1	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	1	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	1	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	1	0.14
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	1	0.14
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	1	0.14
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	1	0.14
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	4	0.14
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	4	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	4	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	4	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	4	0.14
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	4	0.14
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	4	0.14
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	4	0.14
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	4	0.14
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	7	0.14
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	7	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	7	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	7	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	7	0.14
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	7	0.14
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	7	0.14
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	7	0.14
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	7	0.14
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	8	0.14
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	8	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	8	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	8	0.14
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	8	0.14
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	8	0.14
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	8	0.14
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	8	0.14
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	8	0.14
(1,429)	1:A:15:ILE:HD12	2:B:205:ALA:HB3	2	0.14
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB2	2	0.14
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB1	2	0.14
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB3	2	0.14
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB2	2	0.14
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB1	2	0.14
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB3	2	0.14
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	2	0.14
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	2	0.14
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	12	0.14
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	12	0.14
(1,422)	1:A:14:LEU:HD22	1:A:11:TYR:HA	4	0.14
(1,422)	1:A:14:LEU:HD21	1:A:11:TYR:HA	4	0.14
(1,422)	1:A:14:LEU:HD23	1:A:11:TYR:HA	4	0.14
(1,420)	1:A:14:LEU:HD22	2:B:259:ILE:HA	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:A:14:LEU:HD21	2:B:259:ILE:HA	6	0.14
(1,420)	1:A:14:LEU:HD23	2:B:259:ILE:HA	6	0.14
(1,420)	1:A:14:LEU:HD11	2:B:259:ILE:HA	6	0.14
(1,364)	2:B:301:GLU:H	2:B:301:GLU:HB2	2	0.14
(1,364)	2:B:301:GLU:H	2:B:301:GLU:HB3	2	0.14
(1,337)	2:B:273:VAL:H	2:B:272:ALA:HB2	14	0.14
(1,337)	2:B:273:VAL:H	2:B:272:ALA:HB1	14	0.14
(1,337)	2:B:273:VAL:H	2:B:272:ALA:HB3	14	0.14
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG2	19	0.14
(1,266)	2:B:241:LYS:H	2:B:241:LYS:HG3	19	0.14
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	3	0.14
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	3	0.14
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE1	14	0.14
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE2	14	0.14
(1,176)	2:B:210:ALA:H	2:B:226:ILE:HD13	8	0.14
(1,176)	2:B:210:ALA:H	2:B:226:ILE:HD12	8	0.14
(1,176)	2:B:210:ALA:H	2:B:226:ILE:HD11	8	0.14
(1,144)	1:A:102:GLU:H	1:A:101:SER:HB2	19	0.14
(1,144)	1:A:102:GLU:H	1:A:101:SER:HB3	19	0.14
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG3	5	0.14
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG2	5	0.14
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG3	19	0.14
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG2	19	0.14
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG2	2	0.14
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG3	2	0.14
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG2	16	0.14
(1,126)	1:A:91:GLU:H	1:A:90:GLU:HG3	16	0.14
(1,1245)	1:A:54:VAL:HB	1:A:51:LEU:HG	17	0.14
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	3	0.14
(1,1204)	2:B:293:GLU:H	2:B:293:GLU:HA	11	0.14
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	14	0.14
(1,1185)	2:B:272:ALA:H	2:B:271:VAL:HB	4	0.14
(1,1167)	2:B:263:ALA:H	2:B:262:LEU:HG	14	0.14
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	10	0.14
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	11	0.14
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	12	0.14
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	13	0.14
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	17	0.14
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	20	0.14
(1,1098)	2:B:231:GLY:H	2:B:232:ILE:HB	16	0.14
(1,1095)	2:B:230:VAL:H	1:A:31:LEU:HG	12	0.14
(1,1095)	2:B:230:VAL:H	1:A:31:LEU:HG	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:A:72:ALA:H	1:A:71:ALA:HB2	9	0.14
(1,108)	1:A:72:ALA:H	1:A:71:ALA:HB1	9	0.14
(1,108)	1:A:72:ALA:H	1:A:71:ALA:HB3	9	0.14
(1,1018)	1:A:113:PHE:H	1:A:113:PHE:HZ	11	0.14
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	9	0.14
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	4	0.14
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	7	0.14
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	1	0.14
(1,10)	1:A:12:SER:H	2:B:209:LEU:HD22	19	0.14
(1,10)	1:A:12:SER:H	2:B:209:LEU:HD21	19	0.14
(1,10)	1:A:12:SER:H	2:B:209:LEU:HD23	19	0.14
(2,98)	2:B:241:LYS:H	2:B:237:ASP:O	6	0.13
(2,81)	2:B:223:ILE:N	2:B:219:SER:O	12	0.13
(2,67)	2:B:207:TYR:N	2:B:203:TYR:O	9	0.13
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	2	0.13
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	15	0.13
(2,61)	1:A:59:LEU:N	1:A:56:ILE:O	8	0.13
(2,56)	1:A:49:LYS:H	1:A:45:GLY:O	3	0.13
(2,55)	1:A:49:LYS:N	1:A:45:GLY:O	15	0.13
(2,40)	1:A:35:ALA:H	1:A:31:LEU:O	13	0.13
(2,39)	1:A:35:ALA:N	1:A:31:LEU:O	8	0.13
(2,39)	1:A:35:ALA:N	1:A:31:LEU:O	12	0.13
(2,39)	1:A:35:ALA:N	1:A:31:LEU:O	16	0.13
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	3	0.13
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	6	0.13
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	19	0.13
(2,115)	2:B:257:GLN:N	2:B:253:ASP:O	8	0.13
(2,109)	2:B:254:VAL:N	2:B:250:ASN:O	20	0.13
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	1	0.13
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	9	0.13
(1,990)	1:A:83:SER:H	1:A:83:SER:HA	16	0.13
(1,954)	1:A:53:ASN:H	1:A:55:ASN:H	4	0.13
(1,951)	1:A:51:LEU:H	1:A:51:LEU:HG	4	0.13
(1,874)	1:A:3:SER:H	1:A:2:ALA:H	1	0.13
(1,870)	2:B:259:ILE:HD12	1:A:7:LEU:HA	17	0.13
(1,870)	2:B:259:ILE:HD12	1:A:10:ILE:HA	17	0.13
(1,870)	2:B:259:ILE:HD11	1:A:7:LEU:HA	17	0.13
(1,870)	2:B:259:ILE:HD11	1:A:10:ILE:HA	17	0.13
(1,870)	2:B:259:ILE:HD13	1:A:7:LEU:HA	17	0.13
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB2	20	0.13
(1,863)	2:B:255:ILE:HG22	1:A:7:LEU:HB3	20	0.13
(1,863)	2:B:255:ILE:HG21	1:A:7:LEU:HB2	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	2:B:255:ILE:HG23	1:A:7:LEU:HB2	20	0.13
(1,858)	2:B:230:VAL:HG11	1:A:30:ALA:HA	18	0.13
(1,858)	2:B:230:VAL:HG11	1:A:31:LEU:HA	18	0.13
(1,858)	2:B:230:VAL:HG13	1:A:31:LEU:HA	18	0.13
(1,858)	2:B:230:VAL:HG22	1:A:31:LEU:HA	18	0.13
(1,858)	2:B:230:VAL:HG21	1:A:31:LEU:HA	18	0.13
(1,858)	2:B:230:VAL:HG23	1:A:31:LEU:HA	18	0.13
(1,858)	2:B:230:VAL:HG12	1:A:31:LEU:HA	18	0.13
(1,855)	1:A:16:LEU:HD21	2:B:230:VAL:HG13	17	0.13
(1,855)	2:B:230:VAL:HG13	1:A:31:LEU:HD12	17	0.13
(1,855)	2:B:230:VAL:HG13	1:A:31:LEU:HD11	17	0.13
(1,855)	2:B:230:VAL:HG13	1:A:31:LEU:HD13	17	0.13
(1,855)	1:A:16:LEU:HD12	2:B:230:VAL:HG22	17	0.13
(1,855)	1:A:16:LEU:HD11	2:B:230:VAL:HG22	17	0.13
(1,855)	1:A:16:LEU:HD13	2:B:230:VAL:HG22	17	0.13
(1,855)	1:A:16:LEU:HD22	2:B:230:VAL:HG22	17	0.13
(1,855)	1:A:16:LEU:HD21	2:B:230:VAL:HG22	17	0.13
(1,855)	1:A:16:LEU:HD23	2:B:230:VAL:HG22	17	0.13
(1,855)	2:B:230:VAL:HG22	1:A:31:LEU:HD12	17	0.13
(1,855)	2:B:230:VAL:HG22	1:A:31:LEU:HD11	17	0.13
(1,855)	2:B:230:VAL:HG22	1:A:31:LEU:HD13	17	0.13
(1,855)	1:A:16:LEU:HD12	2:B:230:VAL:HG21	17	0.13
(1,855)	1:A:16:LEU:HD11	2:B:230:VAL:HG21	17	0.13
(1,855)	1:A:16:LEU:HD13	2:B:230:VAL:HG21	17	0.13
(1,855)	1:A:16:LEU:HD21	2:B:230:VAL:HG21	17	0.13
(1,855)	2:B:230:VAL:HG21	1:A:31:LEU:HD12	17	0.13
(1,855)	2:B:230:VAL:HG21	1:A:31:LEU:HD11	17	0.13
(1,855)	2:B:230:VAL:HG21	1:A:31:LEU:HD13	17	0.13
(1,855)	1:A:16:LEU:HD12	2:B:230:VAL:HG23	17	0.13
(1,855)	1:A:16:LEU:HD11	2:B:230:VAL:HG23	17	0.13
(1,855)	1:A:16:LEU:HD13	2:B:230:VAL:HG23	17	0.13
(1,855)	2:B:230:VAL:HG23	1:A:31:LEU:HD12	17	0.13
(1,855)	2:B:230:VAL:HG23	1:A:31:LEU:HD11	17	0.13
(1,855)	2:B:230:VAL:HG23	1:A:31:LEU:HD13	17	0.13
(1,855)	1:A:16:LEU:HD11	2:B:230:VAL:HG12	17	0.13
(1,855)	1:A:16:LEU:HD13	2:B:230:VAL:HG12	17	0.13
(1,855)	2:B:230:VAL:HG12	1:A:31:LEU:HD12	17	0.13
(1,855)	2:B:230:VAL:HG12	1:A:31:LEU:HD11	17	0.13
(1,855)	2:B:230:VAL:HG12	1:A:31:LEU:HD13	17	0.13
(1,855)	1:A:16:LEU:HD12	2:B:230:VAL:HG11	17	0.13
(1,855)	1:A:16:LEU:HD11	2:B:230:VAL:HG11	17	0.13
(1,855)	1:A:16:LEU:HD13	2:B:230:VAL:HG11	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:A:16:LEU:HD22	2:B:230:VAL:HG11	17	0.13
(1,855)	1:A:16:LEU:HD21	2:B:230:VAL:HG11	17	0.13
(1,855)	1:A:16:LEU:HD23	2:B:230:VAL:HG11	17	0.13
(1,855)	2:B:230:VAL:HG11	1:A:31:LEU:HD12	17	0.13
(1,855)	2:B:230:VAL:HG11	1:A:31:LEU:HD11	17	0.13
(1,855)	2:B:230:VAL:HG11	1:A:31:LEU:HD13	17	0.13
(1,855)	1:A:16:LEU:HD12	2:B:230:VAL:HG13	17	0.13
(1,855)	1:A:16:LEU:HD11	2:B:230:VAL:HG13	17	0.13
(1,855)	1:A:16:LEU:HD13	2:B:230:VAL:HG13	17	0.13
(1,855)	1:A:16:LEU:HD22	2:B:230:VAL:HG13	17	0.13
(1,842)	2:B:208:LEU:HD12	1:A:7:LEU:HB2	20	0.13
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG12	20	0.13
(1,842)	2:B:208:LEU:HD12	1:A:15:ILE:HG13	20	0.13
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG12	20	0.13
(1,842)	2:B:208:LEU:HD11	1:A:15:ILE:HG13	20	0.13
(1,842)	2:B:208:LEU:HD13	1:A:7:LEU:HB2	20	0.13
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG12	20	0.13
(1,842)	2:B:208:LEU:HD13	1:A:15:ILE:HG13	20	0.13
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG12	20	0.13
(1,842)	2:B:208:LEU:HD22	1:A:15:ILE:HG13	20	0.13
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG12	20	0.13
(1,842)	2:B:208:LEU:HD21	1:A:15:ILE:HG13	20	0.13
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG12	20	0.13
(1,842)	2:B:208:LEU:HD23	1:A:15:ILE:HG13	20	0.13
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	4	0.13
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	4	0.13
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	4	0.13
(1,829)	1:A:59:LEU:HD12	2:B:259:ILE:HG22	2	0.13
(1,829)	1:A:59:LEU:HD12	2:B:259:ILE:HG21	2	0.13
(1,829)	1:A:59:LEU:HD12	2:B:259:ILE:HG23	2	0.13
(1,829)	1:A:59:LEU:HD11	2:B:259:ILE:HG22	2	0.13
(1,829)	1:A:59:LEU:HD11	2:B:259:ILE:HG21	2	0.13
(1,829)	1:A:59:LEU:HD11	2:B:259:ILE:HG23	2	0.13
(1,829)	1:A:59:LEU:HD13	2:B:259:ILE:HG22	2	0.13
(1,829)	1:A:59:LEU:HD13	2:B:259:ILE:HG21	2	0.13
(1,829)	1:A:59:LEU:HD13	2:B:259:ILE:HG23	2	0.13
(1,829)	1:A:59:LEU:HD22	2:B:259:ILE:HG23	2	0.13
(1,829)	1:A:59:LEU:HD21	2:B:259:ILE:HG23	2	0.13
(1,829)	1:A:59:LEU:HD23	2:B:259:ILE:HG23	2	0.13
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	8	0.13
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	8	0.13
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	10	0.13
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	10	0.13
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	10	0.13
(1,816)	1:A:31:LEU:HD12	2:B:230:VAL:HA	14	0.13
(1,816)	1:A:31:LEU:HD11	2:B:230:VAL:HA	14	0.13
(1,816)	1:A:31:LEU:HD13	2:B:230:VAL:HA	14	0.13
(1,816)	1:A:31:LEU:HD21	2:B:230:VAL:HA	14	0.13
(1,812)	1:A:21:VAL:HG13	2:B:232:ILE:HB	1	0.13
(1,812)	1:A:21:VAL:HG22	2:B:232:ILE:HB	1	0.13
(1,812)	1:A:21:VAL:HG21	2:B:232:ILE:HB	1	0.13
(1,812)	1:A:21:VAL:HG12	2:B:232:ILE:HB	1	0.13
(1,812)	1:A:21:VAL:HG11	2:B:232:ILE:HB	1	0.13
(1,802)	1:A:14:LEU:HD12	2:B:259:ILE:HG22	3	0.13
(1,802)	1:A:14:LEU:HD12	2:B:259:ILE:HG21	3	0.13
(1,802)	1:A:14:LEU:HD12	2:B:259:ILE:HG23	3	0.13
(1,802)	1:A:14:LEU:HD12	2:B:262:LEU:HD12	3	0.13
(1,802)	1:A:14:LEU:HD12	2:B:262:LEU:HD13	3	0.13
(1,802)	1:A:14:LEU:HD12	2:B:262:LEU:HD21	3	0.13
(1,802)	1:A:14:LEU:HD11	2:B:259:ILE:HG22	3	0.13
(1,802)	1:A:14:LEU:HD11	2:B:259:ILE:HG21	3	0.13
(1,802)	1:A:14:LEU:HD11	2:B:259:ILE:HG23	3	0.13
(1,802)	1:A:14:LEU:HD22	2:B:259:ILE:HG22	3	0.13
(1,802)	1:A:14:LEU:HD22	2:B:259:ILE:HG21	3	0.13
(1,802)	1:A:14:LEU:HD22	2:B:259:ILE:HG23	3	0.13
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD12	3	0.13
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD11	3	0.13
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD13	3	0.13
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD22	3	0.13
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD21	3	0.13
(1,802)	1:A:14:LEU:HD22	2:B:262:LEU:HD23	3	0.13
(1,802)	1:A:14:LEU:HD21	2:B:259:ILE:HG22	3	0.13
(1,802)	1:A:14:LEU:HD21	2:B:259:ILE:HG21	3	0.13
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD12	3	0.13
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD11	3	0.13
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD13	3	0.13
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD22	3	0.13
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD21	3	0.13
(1,802)	1:A:14:LEU:HD21	2:B:262:LEU:HD23	3	0.13
(1,802)	1:A:14:LEU:HD23	2:B:259:ILE:HG22	3	0.13
(1,802)	1:A:14:LEU:HD23	2:B:259:ILE:HG21	3	0.13
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD12	3	0.13
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD11	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD13	3	0.13
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD21	3	0.13
(1,802)	1:A:14:LEU:HD23	2:B:262:LEU:HD23	3	0.13
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	1	0.13
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	1	0.13
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB2	1	0.13
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB3	1	0.13
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	5	0.13
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	5	0.13
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	5	0.13
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	5	0.13
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	5	0.13
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG2	2	0.13
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG3	2	0.13
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	7	0.13
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	7	0.13
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	7	0.13
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	7	0.13
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	7	0.13
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD22	14	0.13
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD21	14	0.13
(1,724)	2:B:251:ILE:HD12	2:B:246:LEU:HD23	14	0.13
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD22	14	0.13
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD21	14	0.13
(1,724)	2:B:251:ILE:HD11	2:B:246:LEU:HD23	14	0.13
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD22	14	0.13
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD21	14	0.13
(1,724)	2:B:251:ILE:HD13	2:B:246:LEU:HD23	14	0.13
(1,703)	2:B:243:ILE:HG23	2:B:207:TYR:HB2	12	0.13
(1,703)	2:B:243:ILE:HG22	2:B:207:TYR:HB2	12	0.13
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB2	12	0.13
(1,703)	2:B:243:ILE:HG21	2:B:207:TYR:HB3	12	0.13
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE2	10	0.13
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE3	10	0.13
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE2	10	0.13
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE3	10	0.13
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE2	10	0.13
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE3	10	0.13
(1,687)	2:B:239:LEU:HD13	2:B:224:LYS:HE3	10	0.13
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE2	10	0.13
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE3	10	0.13
(1,671)	2:B:232:ILE:HD12	1:A:16:LEU:HA	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	2:B:232:ILE:HD11	1:A:16:LEU:HA	15	0.13
(1,671)	2:B:232:ILE:HD13	1:A:16:LEU:HA	15	0.13
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	17	0.13
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	17	0.13
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	17	0.13
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	17	0.13
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	17	0.13
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	17	0.13
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	17	0.13
(1,666)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	17	0.13
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	17	0.13
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	17	0.13
(1,666)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	17	0.13
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG21	17	0.13
(1,666)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	17	0.13
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB1	7	0.13
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB3	7	0.13
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB2	7	0.13
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB1	7	0.13
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB2	7	0.13
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB1	7	0.13
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB3	7	0.13
(1,653)	2:B:223:ILE:HG21	2:B:206:SER:HA	9	0.13
(1,653)	2:B:223:ILE:HG23	2:B:206:SER:HA	9	0.13
(1,653)	2:B:223:ILE:HG22	2:B:206:SER:HA	9	0.13
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG2	16	0.13
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG3	16	0.13
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG2	17	0.13
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG3	17	0.13
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	4	0.13
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	4	0.13
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	4	0.13
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	11	0.13
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	11	0.13
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	11	0.13
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	13	0.13
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	13	0.13
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	13	0.13
(1,623)	2:B:209:LEU:HD21	1:A:11:TYR:HA	14	0.13
(1,623)	2:B:209:LEU:HD23	1:A:11:TYR:HA	14	0.13
(1,623)	2:B:209:LEU:HD22	1:A:11:TYR:HA	14	0.13
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG21	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG23	7	0.13
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG22	7	0.13
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD2	5	0.13
(1,568)	1:A:82:PRO:HA	1:A:82:PRO:HD3	5	0.13
(1,550)	1:A:60:ILE:HD12	1:A:60:ILE:HA	4	0.13
(1,550)	1:A:60:ILE:HD11	1:A:60:ILE:HA	4	0.13
(1,550)	1:A:60:ILE:HD13	1:A:60:ILE:HA	4	0.13
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	5	0.13
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	5	0.13
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	5	0.13
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	8	0.13
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	8	0.13
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	8	0.13
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	11	0.13
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	11	0.13
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	11	0.13
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	9	0.13
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	9	0.13
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	9	0.13
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	9	0.13
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	9	0.13
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	9	0.13
(1,523)	1:A:51:LEU:HD12	1:A:47:PHE:HA	1	0.13
(1,523)	1:A:51:LEU:HD11	1:A:47:PHE:HA	1	0.13
(1,523)	1:A:51:LEU:HD13	1:A:47:PHE:HA	1	0.13
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	6	0.13
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	6	0.13
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	6	0.13
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	6	0.13
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	6	0.13
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	6	0.13
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	6	0.13
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	6	0.13
(1,500)	1:A:39:VAL:HG12	1:A:5:SER:HB3	9	0.13
(1,500)	1:A:39:VAL:HG11	1:A:5:SER:HB2	9	0.13
(1,500)	1:A:39:VAL:HG11	1:A:5:SER:HB3	9	0.13
(1,500)	1:A:39:VAL:HG13	1:A:5:SER:HB2	9	0.13
(1,500)	1:A:39:VAL:HG13	1:A:5:SER:HB3	9	0.13
(1,500)	1:A:39:VAL:HG22	1:A:5:SER:HB3	9	0.13
(1,500)	1:A:39:VAL:HG21	1:A:5:SER:HB3	9	0.13
(1,500)	1:A:39:VAL:HG23	1:A:5:SER:HB3	9	0.13
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	3	0.13
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	6	0.13
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	6	0.13
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	12	0.13
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	12	0.13
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	12	0.13
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	18	0.13
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	18	0.13
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	18	0.13
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	4	0.13
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	4	0.13
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	4	0.13
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	4	0.13
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	4	0.13
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	17	0.13
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	17	0.13
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	17	0.13
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	17	0.13
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	17	0.13
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	19	0.13
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	19	0.13
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	19	0.13
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	19	0.13
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	19	0.13
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB2	3	0.13
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB3	3	0.13
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB2	3	0.13
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB3	3	0.13
(1,464)	1:A:28:ILE:HG23	1:A:9:CYS:HB2	3	0.13
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB2	17	0.13
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB3	17	0.13
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB2	17	0.13
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB3	17	0.13
(1,464)	1:A:28:ILE:HG23	1:A:9:CYS:HB2	17	0.13
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE1	14	0.13
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE2	14	0.13
(1,463)	1:A:28:ILE:HD11	1:A:47:PHE:HE2	14	0.13
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE1	14	0.13
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE2	14	0.13
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	2	0.13
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	2	0.13
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	5	0.13
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	5	0.13
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	5	0.13
(1,449)	1:A:23:VAL:HG13	1:A:51:LEU:HB3	17	0.13
(1,449)	1:A:23:VAL:HG23	1:A:51:LEU:HB3	17	0.13
(1,440)	1:A:21:VAL:HG12	1:A:19:ASP:HB2	16	0.13
(1,440)	1:A:21:VAL:HG12	1:A:19:ASP:HB3	16	0.13
(1,440)	1:A:21:VAL:HG11	1:A:19:ASP:HB2	16	0.13
(1,440)	1:A:21:VAL:HG11	1:A:19:ASP:HB3	16	0.13
(1,440)	1:A:21:VAL:HG13	1:A:19:ASP:HB2	16	0.13
(1,440)	1:A:21:VAL:HG13	1:A:19:ASP:HB3	16	0.13
(1,440)	1:A:21:VAL:HG22	1:A:19:ASP:HB2	16	0.13
(1,440)	1:A:21:VAL:HG22	1:A:19:ASP:HB3	16	0.13
(1,440)	1:A:21:VAL:HG21	1:A:19:ASP:HB3	16	0.13
(1,429)	1:A:15:ILE:HD12	2:B:205:ALA:HB3	16	0.13
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB2	16	0.13
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB1	16	0.13
(1,429)	1:A:15:ILE:HD11	2:B:205:ALA:HB3	16	0.13
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB2	16	0.13
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB1	16	0.13
(1,429)	1:A:15:ILE:HD13	2:B:205:ALA:HB3	16	0.13
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	2	0.13
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	2	0.13
(1,422)	1:A:14:LEU:HD22	1:A:11:TYR:HA	15	0.13
(1,422)	1:A:14:LEU:HD21	1:A:11:TYR:HA	15	0.13
(1,422)	1:A:14:LEU:HD23	1:A:11:TYR:HA	15	0.13
(1,417)	1:A:13:ALA:HB2	1:A:51:LEU:HD11	7	0.13
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD12	7	0.13
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD13	7	0.13
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD21	7	0.13
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD22	7	0.13
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD23	7	0.13
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD11	10	0.13
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD12	10	0.13
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD13	10	0.13
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD21	10	0.13
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD22	10	0.13
(1,415)	1:A:13:ALA:HA	1:A:51:LEU:HD23	10	0.13
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	10	0.13
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	10	0.13
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	10	0.13
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	12	0.13
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	12	0.13
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	20	0.13
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	20	0.13
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	20	0.13
(1,381)	2:B:309:MET:H	2:B:309:MET:HG2	3	0.13
(1,381)	2:B:309:MET:H	2:B:309:MET:HG3	3	0.13
(1,364)	2:B:301:GLU:H	2:B:301:GLU:HB2	1	0.13
(1,364)	2:B:301:GLU:H	2:B:301:GLU:HB3	1	0.13
(1,357)	2:B:293:GLU:H	2:B:293:GLU:HB2	19	0.13
(1,357)	2:B:293:GLU:H	2:B:293:GLU:HB3	19	0.13
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB2	6	0.13
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB1	6	0.13
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB3	6	0.13
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB2	9	0.13
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HB3	9	0.13
(1,330)	2:B:269:GLY:H	2:B:266:PRO:HG3	9	0.13
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG12	20	0.13
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG11	20	0.13
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG13	20	0.13
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG22	20	0.13
(1,322)	2:B:265:VAL:H	2:B:265:VAL:HG23	20	0.13
(1,310)	2:B:260:GLY:H	1:A:60:ILE:HG12	8	0.13
(1,310)	2:B:260:GLY:H	1:A:60:ILE:HG13	8	0.13
(1,310)	2:B:260:GLY:H	1:A:60:ILE:HG12	10	0.13
(1,310)	2:B:260:GLY:H	1:A:60:ILE:HG13	10	0.13
(1,221)	2:B:224:LYS:H	2:B:224:LYS:HD2	13	0.13
(1,221)	2:B:224:LYS:H	2:B:224:LYS:HD3	13	0.13
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD11	12	0.13
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD13	12	0.13
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD12	12	0.13
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE1	5	0.13
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE2	5	0.13
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE1	17	0.13
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE2	17	0.13
(1,176)	2:B:210:ALA:H	2:B:226:ILE:HD13	14	0.13
(1,176)	2:B:210:ALA:H	2:B:226:ILE:HD12	14	0.13
(1,176)	2:B:210:ALA:H	2:B:226:ILE:HD11	14	0.13
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD12	20	0.13
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD11	20	0.13
(1,165)	2:B:205:ALA:H	2:B:262:LEU:HD13	20	0.13
(1,1253)	1:A:37:VAL:H	1:A:33:LYS:O	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:A:37:VAL:H	1:A:32:ILE:O	1	0.13
(1,1235)	1:A:14:LEU:HG	1:A:10:ILE:HA	4	0.13
(1,1219)	2:B:310:GLY:H	2:B:309:MET:HA	1	0.13
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	12	0.13
(1,1216)	2:B:307:ASP:H	2:B:307:ASP:HA	19	0.13
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	10	0.13
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	16	0.13
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD12	4	0.13
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD11	4	0.13
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD13	4	0.13
(1,1187)	2:B:273:VAL:H	2:B:272:ALA:HA	14	0.13
(1,1185)	2:B:272:ALA:H	2:B:271:VAL:HB	15	0.13
(1,116)	1:A:83:SER:H	1:A:82:PRO:HG2	9	0.13
(1,116)	1:A:83:SER:H	1:A:82:PRO:HG3	9	0.13
(1,1045)	2:B:213:GLY:H	2:B:212:LEU:HG	6	0.13
(1,1013)	1:A:110:PHE:H	1:A:110:PHE:HZ	2	0.13
(1,1004)	1:A:100:GLU:H	1:A:100:GLU:HA	3	0.13
(2,98)	2:B:241:LYS:H	2:B:237:ASP:O	8	0.12
(2,94)	2:B:229:SER:H	2:B:225:LYS:O	9	0.12
(2,76)	2:B:211:ALA:H	2:B:207:TYR:O	6	0.12
(2,73)	2:B:210:ALA:N	2:B:206:SER:O	2	0.12
(2,69)	2:B:208:LEU:N	2:B:204:VAL:O	8	0.12
(2,69)	2:B:208:LEU:N	2:B:204:VAL:O	14	0.12
(2,67)	2:B:207:TYR:N	2:B:203:TYR:O	2	0.12
(2,67)	2:B:207:TYR:N	2:B:203:TYR:O	8	0.12
(2,67)	2:B:207:TYR:N	2:B:203:TYR:O	19	0.12
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	4	0.12
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	14	0.12
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	17	0.12
(2,58)	1:A:50:ALA:H	1:A:46:LEU:O	16	0.12
(2,58)	1:A:50:ALA:H	1:A:46:LEU:O	17	0.12
(2,56)	1:A:49:LYS:H	1:A:45:GLY:O	15	0.12
(2,5)	1:A:9:CYS:N	1:A:5:SER:O	1	0.12
(2,5)	1:A:9:CYS:N	1:A:5:SER:O	11	0.12
(2,47)	1:A:45:GLY:N	1:A:41:PRO:O	12	0.12
(2,39)	1:A:35:ALA:N	1:A:31:LEU:O	3	0.12
(2,39)	1:A:35:ALA:N	1:A:31:LEU:O	13	0.12
(2,25)	1:A:28:ILE:N	1:A:24:THR:O	4	0.12
(2,25)	1:A:28:ILE:N	1:A:24:THR:O	16	0.12
(2,24)	1:A:27:LYS:H	1:A:24:THR:O	12	0.12
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	10	0.12
(2,116)	2:B:257:GLN:H	2:B:253:ASP:O	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	11	0.12
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	19	0.12
(2,105)	2:B:245:GLU:N	2:B:241:LYS:O	6	0.12
(2,1)	1:A:7:LEU:N	1:A:3:SER:O	20	0.12
(1,990)	1:A:83:SER:H	1:A:83:SER:HA	9	0.12
(1,990)	1:A:83:SER:H	1:A:83:SER:HA	10	0.12
(1,984)	1:A:73:GLY:H	1:A:72:ALA:HA	6	0.12
(1,981)	1:A:67:GLY:H	1:A:65:ALA:HB2	3	0.12
(1,981)	1:A:67:GLY:H	1:A:65:ALA:HB1	3	0.12
(1,981)	1:A:67:GLY:H	1:A:65:ALA:HB3	3	0.12
(1,979)	1:A:64:GLY:H	1:A:63:VAL:HB	2	0.12
(1,975)	1:A:63:VAL:H	1:A:61:CYS:HA	16	0.12
(1,974)	1:A:63:VAL:H	1:A:62:ASN:HA	12	0.12
(1,957)	1:A:53:ASN:H	1:A:54:VAL:H	4	0.12
(1,951)	1:A:51:LEU:H	1:A:51:LEU:HG	10	0.12
(1,951)	1:A:51:LEU:H	1:A:51:LEU:HG	15	0.12
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG22	16	0.12
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG21	16	0.12
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG23	16	0.12
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG22	19	0.12
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG21	19	0.12
(1,92)	1:A:54:VAL:H	1:A:54:VAL:HG23	19	0.12
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	5	0.12
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	5	0.12
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	5	0.12
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	8	0.12
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	8	0.12
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	8	0.12
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	8	0.12
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	8	0.12
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	8	0.12
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	8	0.12
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	8	0.12
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	13	0.12
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	13	0.12
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	13	0.12
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	15	0.12
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	15	0.12
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	15	0.12
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	5	0.12
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	5	0.12
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:A:1:MET:HE2	2:B:212:LEU:HB2	7	0.12
(1,835)	1:A:1:MET:HE1	2:B:212:LEU:HB2	7	0.12
(1,835)	1:A:1:MET:HE3	2:B:212:LEU:HB2	7	0.12
(1,835)	1:A:1:MET:HE3	2:B:212:LEU:HB3	7	0.12
(1,828)	1:A:59:LEU:HD12	2:B:259:ILE:HA	14	0.12
(1,828)	1:A:59:LEU:HD11	2:B:259:ILE:HA	14	0.12
(1,828)	1:A:59:LEU:HD13	2:B:259:ILE:HA	14	0.12
(1,828)	1:A:59:LEU:HD22	2:B:259:ILE:HA	14	0.12
(1,828)	1:A:59:LEU:HD21	2:B:259:ILE:HA	14	0.12
(1,828)	1:A:59:LEU:HD12	2:B:259:ILE:HA	18	0.12
(1,828)	1:A:59:LEU:HD11	2:B:259:ILE:HA	18	0.12
(1,828)	1:A:59:LEU:HD13	2:B:259:ILE:HA	18	0.12
(1,828)	1:A:59:LEU:HD22	2:B:259:ILE:HA	18	0.12
(1,828)	1:A:59:LEU:HD21	2:B:259:ILE:HA	18	0.12
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	11	0.12
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	11	0.12
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	11	0.12
(1,814)	1:A:21:VAL:HG12	2:B:232:ILE:HA	10	0.12
(1,814)	1:A:21:VAL:HG11	2:B:232:ILE:HA	10	0.12
(1,814)	1:A:21:VAL:HG22	2:B:232:ILE:HA	10	0.12
(1,814)	1:A:21:VAL:HG21	2:B:232:ILE:HA	10	0.12
(1,814)	1:A:21:VAL:HG23	2:B:232:ILE:HA	10	0.12
(1,812)	1:A:21:VAL:HG13	2:B:232:ILE:HB	17	0.12
(1,812)	1:A:21:VAL:HG22	2:B:232:ILE:HB	17	0.12
(1,812)	1:A:21:VAL:HG21	2:B:232:ILE:HB	17	0.12
(1,812)	1:A:21:VAL:HG12	2:B:232:ILE:HB	17	0.12
(1,812)	1:A:21:VAL:HG11	2:B:232:ILE:HB	17	0.12
(1,810)	1:A:16:LEU:HD12	2:B:230:VAL:HA	1	0.12
(1,810)	1:A:16:LEU:HD11	2:B:230:VAL:HA	1	0.12
(1,810)	1:A:16:LEU:HD13	2:B:230:VAL:HA	1	0.12
(1,810)	1:A:16:LEU:HD22	2:B:230:VAL:HA	1	0.12
(1,810)	1:A:16:LEU:HD21	2:B:230:VAL:HA	1	0.12
(1,810)	1:A:16:LEU:HD12	2:B:230:VAL:HA	3	0.12
(1,810)	1:A:16:LEU:HD11	2:B:230:VAL:HA	3	0.12
(1,810)	1:A:16:LEU:HD13	2:B:230:VAL:HA	3	0.12
(1,810)	1:A:16:LEU:HD22	2:B:230:VAL:HA	3	0.12
(1,810)	1:A:16:LEU:HD21	2:B:230:VAL:HA	3	0.12
(1,81)	1:A:49:LYS:H	1:A:49:LYS:HE2	7	0.12
(1,81)	1:A:49:LYS:H	1:A:49:LYS:HE3	7	0.12
(1,807)	1:A:15:ILE:HG22	2:B:232:ILE:HB	16	0.12
(1,807)	1:A:15:ILE:HG21	2:B:209:LEU:HG	16	0.12
(1,807)	1:A:15:ILE:HG21	2:B:232:ILE:HB	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:A:15:ILE:HG23	2:B:232:ILE:HB	16	0.12
(1,795)	1:A:4:VAL:HG13	2:B:212:LEU:HG	17	0.12
(1,795)	1:A:4:VAL:HG12	2:B:212:LEU:HG	17	0.12
(1,795)	1:A:4:VAL:HG11	2:B:212:LEU:HG	17	0.12
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	12	0.12
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	12	0.12
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB2	19	0.12
(1,785)	2:B:299:LYS:HA	2:B:299:LYS:HB3	19	0.12
(1,783)	2:B:292:GLU:HA	2:B:292:GLU:HG2	18	0.12
(1,783)	2:B:292:GLU:HA	2:B:292:GLU:HG3	18	0.12
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB2	9	0.12
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB3	9	0.12
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB2	13	0.12
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB3	13	0.12
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	1	0.12
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	1	0.12
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	1	0.12
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	1	0.12
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	1	0.12
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA2	11	0.12
(1,774)	2:B:314:PHE:HB2	2:B:312:GLY:HA3	11	0.12
(1,774)	2:B:314:PHE:HB3	2:B:312:GLY:HA2	11	0.12
(1,767)	2:B:311:PHE:HB2	2:B:310:GLY:HA2	17	0.12
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA2	17	0.12
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA3	17	0.12
(1,767)	2:B:311:PHE:HB3	2:B:310:GLY:HA2	17	0.12
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA2	17	0.12
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA3	17	0.12
(1,766)	2:B:311:PHE:HA	2:B:310:GLY:HA2	15	0.12
(1,766)	2:B:311:PHE:HA	2:B:310:GLY:HA3	15	0.12
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG2	12	0.12
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG3	12	0.12
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	1	0.12
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	1	0.12
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	11	0.12
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	11	0.12
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	19	0.12
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	19	0.12
(1,745)	2:B:262:LEU:HD12	2:B:262:LEU:HA	7	0.12
(1,745)	2:B:262:LEU:HD22	2:B:262:LEU:HA	7	0.12
(1,745)	2:B:262:LEU:HD21	2:B:262:LEU:HA	7	0.12
(1,745)	2:B:262:LEU:HD23	2:B:262:LEU:HA	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	8	0.12
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	8	0.12
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	8	0.12
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	8	0.12
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	8	0.12
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB2	14	0.12
(1,728)	2:B:251:ILE:HG22	2:B:252:GLU:HB3	14	0.12
(1,728)	2:B:251:ILE:HG21	2:B:252:GLU:HB2	14	0.12
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB2	14	0.12
(1,728)	2:B:251:ILE:HG23	2:B:252:GLU:HB3	14	0.12
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	5	0.12
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	5	0.12
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	5	0.12
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	5	0.12
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	6	0.12
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	6	0.12
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	6	0.12
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	6	0.12
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	7	0.12
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	7	0.12
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	7	0.12
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	7	0.12
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	15	0.12
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	15	0.12
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	15	0.12
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	15	0.12
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	16	0.12
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	16	0.12
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	16	0.12
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	16	0.12
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	17	0.12
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	17	0.12
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	17	0.12
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	17	0.12
(1,697)	2:B:242:VAL:HG22	2:B:242:VAL:HA	20	0.12
(1,697)	2:B:242:VAL:HG21	2:B:242:VAL:HA	20	0.12
(1,697)	2:B:242:VAL:HG23	2:B:242:VAL:HA	20	0.12
(1,697)	2:B:242:VAL:HG12	2:B:242:VAL:HA	20	0.12
(1,694)	2:B:242:VAL:HG12	2:B:203:TYR:HA	13	0.12
(1,694)	2:B:242:VAL:HG11	2:B:203:TYR:HA	13	0.12
(1,694)	2:B:242:VAL:HG13	2:B:203:TYR:HA	13	0.12
(1,675)	2:B:232:ILE:HG22	1:A:21:VAL:HB	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	2:B:232:ILE:HG21	1:A:21:VAL:HB	1	0.12
(1,675)	2:B:232:ILE:HG23	1:A:21:VAL:HB	1	0.12
(1,675)	2:B:232:ILE:HG22	1:A:21:VAL:HB	6	0.12
(1,675)	2:B:232:ILE:HG21	1:A:21:VAL:HB	6	0.12
(1,675)	2:B:232:ILE:HG23	1:A:21:VAL:HB	6	0.12
(1,668)	2:B:230:VAL:HG12	1:A:27:LYS:HB2	1	0.12
(1,668)	2:B:230:VAL:HG11	1:A:27:LYS:HB2	1	0.12
(1,668)	2:B:230:VAL:HG11	1:A:27:LYS:HB3	1	0.12
(1,668)	2:B:230:VAL:HG11	1:A:31:LEU:HB2	1	0.12
(1,668)	2:B:230:VAL:HG13	1:A:27:LYS:HB2	1	0.12
(1,668)	2:B:230:VAL:HG13	1:A:27:LYS:HB3	1	0.12
(1,668)	2:B:230:VAL:HG13	1:A:31:LEU:HB2	1	0.12
(1,668)	2:B:230:VAL:HG13	1:A:31:LEU:HB3	1	0.12
(1,668)	2:B:230:VAL:HG22	1:A:27:LYS:HB2	1	0.12
(1,668)	2:B:230:VAL:HG22	1:A:31:LEU:HB2	1	0.12
(1,668)	2:B:230:VAL:HG22	1:A:31:LEU:HB3	1	0.12
(1,668)	2:B:230:VAL:HG21	1:A:27:LYS:HB2	1	0.12
(1,668)	2:B:230:VAL:HG21	1:A:31:LEU:HB2	1	0.12
(1,668)	2:B:230:VAL:HG21	1:A:31:LEU:HB3	1	0.12
(1,668)	2:B:230:VAL:HG23	1:A:27:LYS:HB2	1	0.12
(1,668)	2:B:230:VAL:HG23	1:A:31:LEU:HB2	1	0.12
(1,668)	2:B:230:VAL:HG23	1:A:31:LEU:HB3	1	0.12
(1,650)	2:B:223:ILE:HG22	2:B:203:TYR:HA	4	0.12
(1,650)	2:B:223:ILE:HG21	2:B:203:TYR:HA	4	0.12
(1,650)	2:B:223:ILE:HG23	2:B:203:TYR:HA	4	0.12
(1,650)	2:B:223:ILE:HG22	2:B:203:TYR:HA	13	0.12
(1,650)	2:B:223:ILE:HG21	2:B:203:TYR:HA	13	0.12
(1,650)	2:B:223:ILE:HG23	2:B:203:TYR:HA	13	0.12
(1,650)	2:B:223:ILE:HG22	2:B:203:TYR:HA	18	0.12
(1,650)	2:B:223:ILE:HG21	2:B:203:TYR:HA	18	0.12
(1,650)	2:B:223:ILE:HG23	2:B:203:TYR:HA	18	0.12
(1,646)	2:B:223:ILE:HD12	2:B:223:ILE:HA	1	0.12
(1,646)	2:B:223:ILE:HD11	2:B:223:ILE:HA	1	0.12
(1,646)	2:B:223:ILE:HD13	2:B:223:ILE:HA	1	0.12
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HE2	1	0.12
(1,645)	2:B:223:ILE:HD12	2:B:207:TYR:HD2	1	0.12
(1,645)	2:B:223:ILE:HD11	2:B:207:TYR:HD2	1	0.12
(1,645)	2:B:223:ILE:HD13	2:B:207:TYR:HD2	1	0.12
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	8	0.12
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	8	0.12
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	8	0.12
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD12	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD11	12	0.12
(1,639)	2:B:218:PRO:HA	2:B:223:ILE:HD13	12	0.12
(1,631)	2:B:211:ALA:HB2	2:B:251:ILE:HD13	4	0.12
(1,631)	2:B:211:ALA:HB1	2:B:251:ILE:HD12	4	0.12
(1,631)	2:B:211:ALA:HB1	2:B:251:ILE:HD13	4	0.12
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD12	4	0.12
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD11	4	0.12
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD13	4	0.12
(1,631)	2:B:211:ALA:HB2	2:B:251:ILE:HD12	4	0.12
(1,631)	2:B:211:ALA:HB2	2:B:251:ILE:HD13	18	0.12
(1,631)	2:B:211:ALA:HB1	2:B:251:ILE:HD12	18	0.12
(1,631)	2:B:211:ALA:HB1	2:B:251:ILE:HD13	18	0.12
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD12	18	0.12
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD11	18	0.12
(1,631)	2:B:211:ALA:HB3	2:B:251:ILE:HD13	18	0.12
(1,631)	2:B:211:ALA:HB2	2:B:251:ILE:HD12	18	0.12
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG12	15	0.12
(1,615)	2:B:209:LEU:HD12	2:B:226:ILE:HG13	15	0.12
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG12	15	0.12
(1,615)	2:B:209:LEU:HD11	2:B:226:ILE:HG13	15	0.12
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG12	15	0.12
(1,615)	2:B:209:LEU:HD13	2:B:226:ILE:HG13	15	0.12
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	2	0.12
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	2	0.12
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	2	0.12
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	2	0.12
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	2	0.12
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	2	0.12
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	2	0.12
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	2	0.12
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB2	19	0.12
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB1	19	0.12
(1,613)	2:B:208:LEU:HD13	2:B:205:ALA:HB3	19	0.12
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB2	19	0.12
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB1	19	0.12
(1,613)	2:B:208:LEU:HD12	2:B:205:ALA:HB3	19	0.12
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB2	19	0.12
(1,613)	2:B:208:LEU:HD11	2:B:205:ALA:HB1	19	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	1	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	1	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	2	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	3	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	3	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	4	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	4	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	5	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	5	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	6	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	6	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	7	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	7	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	8	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	8	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	9	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	9	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	10	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	10	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	11	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	11	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	12	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	12	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	13	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	13	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	14	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	14	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	15	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	15	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	16	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	16	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	17	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	17	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	18	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	18	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	19	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	19	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	20	0.12
(1,606)	2:B:219:SER:HB2	2:B:219:SER:HB3	20	0.12
(1,60)	1:A:36:GLY:H	1:A:32:ILE:HG22	4	0.12
(1,60)	1:A:36:GLY:H	1:A:32:ILE:HG21	4	0.12
(1,60)	1:A:36:GLY:H	1:A:32:ILE:HG23	4	0.12
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG21	13	0.12
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG23	13	0.12
(1,598)	1:A:55:ASN:HA	1:A:56:ILE:HG22	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB2	5	0.12
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB3	5	0.12
(1,586)	1:A:108:MET:HA	1:A:108:MET:HG2	11	0.12
(1,586)	1:A:108:MET:HA	1:A:108:MET:HG3	11	0.12
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	3	0.12
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	3	0.12
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	9	0.12
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	9	0.12
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	1	0.12
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	1	0.12
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	1	0.12
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	1	0.12
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	1	0.12
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	1	0.12
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	1	0.12
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	1	0.12
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	1	0.12
(1,546)	1:A:59:LEU:HD12	1:A:58:SER:HB2	20	0.12
(1,546)	1:A:59:LEU:HD11	1:A:58:SER:HB2	20	0.12
(1,546)	1:A:59:LEU:HD13	1:A:58:SER:HB2	20	0.12
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB2	20	0.12
(1,546)	1:A:59:LEU:HD22	1:A:58:SER:HB3	20	0.12
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB2	20	0.12
(1,546)	1:A:59:LEU:HD21	1:A:58:SER:HB3	20	0.12
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB2	20	0.12
(1,546)	1:A:59:LEU:HD23	1:A:58:SER:HB3	20	0.12
(1,517)	1:A:46:LEU:HD12	1:A:42:PHE:HZ	3	0.12
(1,517)	1:A:46:LEU:HD11	1:A:42:PHE:HZ	3	0.12
(1,517)	1:A:46:LEU:HD22	1:A:42:PHE:HZ	3	0.12
(1,517)	1:A:46:LEU:HD21	1:A:42:PHE:HZ	3	0.12
(1,517)	1:A:46:LEU:HD23	1:A:42:PHE:HZ	3	0.12
(1,513)	1:A:46:LEU:HD12	1:A:42:PHE:HD2	7	0.12
(1,513)	1:A:46:LEU:HD11	1:A:42:PHE:HD2	7	0.12
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD1	7	0.12
(1,513)	1:A:46:LEU:HD22	1:A:42:PHE:HD2	7	0.12
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD1	7	0.12
(1,513)	1:A:46:LEU:HD21	1:A:42:PHE:HD2	7	0.12
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD1	7	0.12
(1,513)	1:A:46:LEU:HD23	1:A:42:PHE:HD2	7	0.12
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	18	0.12
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	18	0.12
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	7	0.12
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	7	0.12
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	7	0.12
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	7	0.12
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	1	0.12
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	1	0.12
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	1	0.12
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	1	0.12
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	1	0.12
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	10	0.12
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	10	0.12
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	10	0.12
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	10	0.12
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	10	0.12
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	14	0.12
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	14	0.12
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	14	0.12
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	14	0.12
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	14	0.12
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	18	0.12
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	18	0.12
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	18	0.12
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	18	0.12
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	18	0.12
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	20	0.12
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	20	0.12
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	20	0.12
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	20	0.12
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	20	0.12
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB2	13	0.12
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB3	13	0.12
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB2	13	0.12
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB3	13	0.12
(1,464)	1:A:28:ILE:HG23	1:A:9:CYS:HB2	13	0.12
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	4	0.12
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	4	0.12
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	4	0.12
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	15	0.12
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	15	0.12
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	15	0.12
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	3	0.12
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	3	0.12
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	3	0.12
(1,444)	1:A:21:VAL:HG11	1:A:27:LYS:HE2	13	0.12
(1,444)	1:A:21:VAL:HG13	1:A:27:LYS:HE2	13	0.12
(1,444)	1:A:21:VAL:HG13	1:A:27:LYS:HE3	13	0.12
(1,444)	1:A:21:VAL:HG22	1:A:27:LYS:HE2	13	0.12
(1,444)	1:A:21:VAL:HG22	1:A:27:LYS:HE3	13	0.12
(1,444)	1:A:21:VAL:HG21	1:A:27:LYS:HE2	13	0.12
(1,444)	1:A:21:VAL:HG21	1:A:27:LYS:HE3	13	0.12
(1,444)	1:A:21:VAL:HG23	1:A:27:LYS:HE2	13	0.12
(1,444)	1:A:21:VAL:HG23	1:A:27:LYS:HE3	13	0.12
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	2	0.12
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	2	0.12
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	2	0.12
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	3	0.12
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	3	0.12
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	3	0.12
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	10	0.12
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	10	0.12
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	10	0.12
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	2	0.12
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	2	0.12
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	2	0.12
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	2	0.12
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	2	0.12
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	2	0.12
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	2	0.12
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	2	0.12
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	2	0.12
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	6	0.12
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	6	0.12
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	6	0.12
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	6	0.12
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	6	0.12
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	6	0.12
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	6	0.12
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	6	0.12
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	6	0.12
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	20	0.12
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	20	0.12
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	20	0.12
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	20	0.12
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	20	0.12
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	20	0.12
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	20	0.12
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	20	0.12
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	11	0.12
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	11	0.12
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	15	0.12
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	15	0.12
(1,422)	1:A:14:LEU:HD22	1:A:11:TYR:HA	2	0.12
(1,422)	1:A:14:LEU:HD21	1:A:11:TYR:HA	2	0.12
(1,422)	1:A:14:LEU:HD23	1:A:11:TYR:HA	2	0.12
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	4	0.12
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	4	0.12
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	4	0.12
(1,410)	1:A:10:ILE:HD13	1:A:6:GLU:HA	14	0.12
(1,410)	1:A:10:ILE:HD12	1:A:6:GLU:HA	14	0.12
(1,410)	1:A:10:ILE:HD11	1:A:6:GLU:HA	14	0.12
(1,397)	1:A:7:LEU:HD12	2:B:212:LEU:HA	4	0.12
(1,397)	1:A:7:LEU:HD11	2:B:212:LEU:HA	4	0.12
(1,397)	1:A:7:LEU:HD13	2:B:212:LEU:HA	4	0.12
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB2	8	0.12
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB3	8	0.12
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD11	16	0.12
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD22	16	0.12
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD21	16	0.12
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD23	16	0.12
(1,384)	2:B:313:LEU:H	2:B:313:LEU:HD12	16	0.12
(1,372)	2:B:307:ASP:H	2:B:307:ASP:HB3	18	0.12
(1,372)	2:B:307:ASP:H	2:B:307:ASP:HB2	18	0.12
(1,368)	2:B:303:GLU:H	2:B:303:GLU:HG2	13	0.12
(1,368)	2:B:303:GLU:H	2:B:303:GLU:HG3	13	0.12
(1,358)	2:B:293:GLU:H	2:B:293:GLU:HG2	9	0.12
(1,358)	2:B:293:GLU:H	2:B:293:GLU:HG3	9	0.12
(1,355)	2:B:292:GLU:H	2:B:292:GLU:HB2	15	0.12
(1,355)	2:B:292:GLU:H	2:B:292:GLU:HB3	15	0.12
(1,353)	2:B:290:ALA:H	2:B:290:ALA:HB3	3	0.12
(1,353)	2:B:290:ALA:H	2:B:290:ALA:HB2	3	0.12
(1,353)	2:B:290:ALA:H	2:B:290:ALA:HB1	3	0.12
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG12	5	0.12
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG11	5	0.12
(1,336)	2:B:272:ALA:H	2:B:271:VAL:HG13	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	2:B:270:ALA:H	2:B:269:GLY:HA2	16	0.12
(1,331)	2:B:270:ALA:H	2:B:269:GLY:HA3	16	0.12
(1,314)	2:B:261:LYS:H	2:B:261:LYS:HG2	2	0.12
(1,314)	2:B:261:LYS:H	2:B:261:LYS:HG3	2	0.12
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG12	17	0.12
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG11	17	0.12
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG13	17	0.12
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG22	17	0.12
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG21	17	0.12
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	4	0.12
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	4	0.12
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD11	15	0.12
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD13	15	0.12
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD12	15	0.12
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD11	20	0.12
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD13	20	0.12
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD12	20	0.12
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE1	19	0.12
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE2	19	0.12
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB2	11	0.12
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB1	11	0.12
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB3	11	0.12
(1,151)	1:A:104:SER:H	1:A:103:GLU:HG2	3	0.12
(1,151)	1:A:104:SER:H	1:A:103:GLU:HG3	3	0.12
(1,151)	1:A:104:SER:H	1:A:103:GLU:HG2	4	0.12
(1,151)	1:A:104:SER:H	1:A:103:GLU:HG3	4	0.12
(1,143)	1:A:101:SER:H	1:A:100:GLU:HG2	6	0.12
(1,143)	1:A:101:SER:H	1:A:100:GLU:HG3	6	0.12
(1,1235)	1:A:14:LEU:HG	1:A:10:ILE:HA	8	0.12
(1,1223)	2:B:312:GLY:H	2:B:313:LEU:H	12	0.12
(1,1205)	2:B:296:ASP:H	2:B:295:LYS:HA	10	0.12
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	4	0.12
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	17	0.12
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	18	0.12
(1,1185)	2:B:272:ALA:H	2:B:271:VAL:HB	11	0.12
(1,1167)	2:B:263:ALA:H	2:B:262:LEU:HG	8	0.12
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	6	0.12
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	19	0.12
(1,1095)	2:B:230:VAL:H	1:A:31:LEU:HG	4	0.12
(1,1095)	2:B:230:VAL:H	1:A:31:LEU:HG	8	0.12
(1,108)	1:A:72:ALA:H	1:A:71:ALA:HB2	2	0.12
(1,108)	1:A:72:ALA:H	1:A:71:ALA:HB1	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:A:72:ALA:H	1:A:71:ALA:HB3	2	0.12
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	15	0.12
(2,97)	2:B:241:LYS:N	2:B:237:ASP:O	6	0.11
(2,87)	2:B:226:ILE:N	2:B:222:ASP:O	11	0.11
(2,81)	2:B:223:ILE:N	2:B:219:SER:O	2	0.11
(2,81)	2:B:223:ILE:N	2:B:219:SER:O	6	0.11
(2,81)	2:B:223:ILE:N	2:B:219:SER:O	8	0.11
(2,81)	2:B:223:ILE:N	2:B:219:SER:O	15	0.11
(2,73)	2:B:210:ALA:N	2:B:206:SER:O	15	0.11
(2,69)	2:B:208:LEU:N	2:B:204:VAL:O	11	0.11
(2,68)	2:B:207:TYR:H	2:B:203:TYR:O	16	0.11
(2,67)	2:B:207:TYR:N	2:B:203:TYR:O	3	0.11
(2,66)	1:A:61:CYS:H	1:A:58:SER:O	18	0.11
(2,63)	1:A:60:ILE:N	1:A:57:GLY:O	19	0.11
(2,61)	1:A:59:LEU:N	1:A:56:ILE:O	1	0.11
(2,6)	1:A:9:CYS:H	1:A:5:SER:O	9	0.11
(2,58)	1:A:50:ALA:H	1:A:46:LEU:O	14	0.11
(2,56)	1:A:49:LYS:H	1:A:45:GLY:O	14	0.11
(2,55)	1:A:49:LYS:N	1:A:45:GLY:O	7	0.11
(2,55)	1:A:49:LYS:N	1:A:45:GLY:O	9	0.11
(2,5)	1:A:9:CYS:N	1:A:5:SER:O	6	0.11
(2,5)	1:A:9:CYS:N	1:A:5:SER:O	10	0.11
(2,5)	1:A:9:CYS:N	1:A:5:SER:O	15	0.11
(2,38)	1:A:34:ALA:H	1:A:30:ALA:O	4	0.11
(2,31)	1:A:31:LEU:N	1:A:27:LYS:O	5	0.11
(2,25)	1:A:28:ILE:N	1:A:24:THR:O	1	0.11
(2,25)	1:A:28:ILE:N	1:A:24:THR:O	2	0.11
(2,25)	1:A:28:ILE:N	1:A:24:THR:O	7	0.11
(2,25)	1:A:28:ILE:N	1:A:24:THR:O	10	0.11
(2,25)	1:A:28:ILE:N	1:A:24:THR:O	13	0.11
(2,24)	1:A:27:LYS:H	1:A:24:THR:O	2	0.11
(2,24)	1:A:27:LYS:H	1:A:24:THR:O	4	0.11
(2,24)	1:A:27:LYS:H	1:A:24:THR:O	5	0.11
(2,24)	1:A:27:LYS:H	1:A:24:THR:O	7	0.11
(2,24)	1:A:27:LYS:H	1:A:24:THR:O	9	0.11
(2,24)	1:A:27:LYS:H	1:A:24:THR:O	10	0.11
(2,24)	1:A:27:LYS:H	1:A:24:THR:O	11	0.11
(2,22)	1:A:17:HIS:H	1:A:13:ALA:O	7	0.11
(2,21)	1:A:17:HIS:N	1:A:13:ALA:O	9	0.11
(2,116)	2:B:257:GLN:H	2:B:253:ASP:O	17	0.11
(2,108)	2:B:246:LEU:H	2:B:242:VAL:O	1	0.11
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	13	0.11
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	15	0.11
(2,106)	2:B:245:GLU:H	2:B:241:LYS:O	20	0.11
(2,105)	2:B:245:GLU:N	2:B:241:LYS:O	13	0.11
(2,102)	2:B:243:ILE:H	2:B:239:LEU:O	6	0.11
(2,1)	1:A:7:LEU:N	1:A:3:SER:O	7	0.11
(1,996)	1:A:90:GLU:H	1:A:88:PRO:HB2	19	0.11
(1,996)	1:A:90:GLU:H	1:A:88:PRO:HB3	19	0.11
(1,992)	1:A:85:ALA:H	1:A:85:ALA:HA	7	0.11
(1,992)	1:A:85:ALA:H	1:A:85:ALA:HA	10	0.11
(1,990)	1:A:83:SER:H	1:A:83:SER:HA	11	0.11
(1,988)	1:A:77:ALA:H	1:A:77:ALA:HA	1	0.11
(1,988)	1:A:77:ALA:H	1:A:77:ALA:HA	8	0.11
(1,957)	1:A:53:ASN:H	1:A:54:VAL:H	11	0.11
(1,957)	1:A:53:ASN:H	1:A:54:VAL:H	17	0.11
(1,957)	1:A:53:ASN:H	1:A:54:VAL:H	18	0.11
(1,950)	1:A:51:LEU:H	1:A:50:ALA:H	5	0.11
(1,901)	1:A:19:ASP:H	1:A:16:LEU:HA	15	0.11
(1,901)	1:A:19:ASP:H	1:A:16:LEU:HA	18	0.11
(1,869)	2:B:259:ILE:HD12	1:A:60:ILE:HB	16	0.11
(1,869)	2:B:259:ILE:HD11	1:A:60:ILE:HB	16	0.11
(1,869)	2:B:259:ILE:HD13	1:A:60:ILE:HB	16	0.11
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE1	6	0.11
(1,867)	2:B:255:ILE:HD12	1:A:11:TYR:HE2	6	0.11
(1,867)	2:B:255:ILE:HD11	1:A:11:TYR:HE1	6	0.11
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE1	6	0.11
(1,867)	2:B:255:ILE:HD13	1:A:11:TYR:HE2	6	0.11
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD12	5	0.11
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD11	5	0.11
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD13	5	0.11
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD21	5	0.11
(1,866)	2:B:256:ALA:HB2	1:A:7:LEU:HD23	5	0.11
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD12	5	0.11
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD13	5	0.11
(1,866)	2:B:256:ALA:HB1	1:A:7:LEU:HD21	5	0.11
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD12	5	0.11
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD11	5	0.11
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD13	5	0.11
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD22	5	0.11
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD21	5	0.11
(1,866)	2:B:256:ALA:HB3	1:A:7:LEU:HD23	5	0.11
(1,864)	2:B:255:ILE:HG22	1:A:7:LEU:HG	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	2:B:255:ILE:HG21	1:A:7:LEU:HG	1	0.11
(1,864)	2:B:255:ILE:HG23	1:A:7:LEU:HG	1	0.11
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD12	14	0.11
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD11	14	0.11
(1,841)	2:B:201:MET:HE2	1:A:14:LEU:HD13	14	0.11
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD12	14	0.11
(1,841)	2:B:201:MET:HE1	1:A:14:LEU:HD13	14	0.11
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD12	14	0.11
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD11	14	0.11
(1,841)	2:B:201:MET:HE3	1:A:14:LEU:HD13	14	0.11
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	4	0.11
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	4	0.11
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	4	0.11
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	11	0.11
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	11	0.11
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	11	0.11
(1,840)	2:B:201:MET:HE2	1:A:17:HIS:HA	17	0.11
(1,840)	2:B:201:MET:HE1	1:A:17:HIS:HA	17	0.11
(1,840)	2:B:201:MET:HE3	1:A:17:HIS:HA	17	0.11
(1,837)	2:B:201:MET:HE2	1:A:14:LEU:HG	12	0.11
(1,837)	2:B:201:MET:HE1	1:A:14:LEU:HG	12	0.11
(1,837)	2:B:201:MET:HE3	1:A:14:LEU:HG	12	0.11
(1,828)	1:A:59:LEU:HD12	2:B:259:ILE:HA	16	0.11
(1,828)	1:A:59:LEU:HD11	2:B:259:ILE:HA	16	0.11
(1,828)	1:A:59:LEU:HD13	2:B:259:ILE:HA	16	0.11
(1,828)	1:A:59:LEU:HD22	2:B:259:ILE:HA	16	0.11
(1,828)	1:A:59:LEU:HD21	2:B:259:ILE:HA	16	0.11
(1,826)	1:A:37:VAL:HG22	2:B:212:LEU:HG	14	0.11
(1,826)	1:A:37:VAL:HG21	2:B:212:LEU:HG	14	0.11
(1,826)	1:A:37:VAL:HG23	2:B:212:LEU:HG	14	0.11
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	14	0.11
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	14	0.11
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	14	0.11
(1,819)	1:A:34:ALA:HB2	2:B:229:SER:HA	17	0.11
(1,819)	1:A:34:ALA:HB1	2:B:229:SER:HA	17	0.11
(1,819)	1:A:34:ALA:HB3	2:B:229:SER:HA	17	0.11
(1,812)	1:A:21:VAL:HG13	2:B:232:ILE:HB	15	0.11
(1,812)	1:A:21:VAL:HG22	2:B:232:ILE:HB	15	0.11
(1,812)	1:A:21:VAL:HG21	2:B:232:ILE:HB	15	0.11
(1,812)	1:A:21:VAL:HG12	2:B:232:ILE:HB	15	0.11
(1,812)	1:A:21:VAL:HG11	2:B:232:ILE:HB	15	0.11
(1,810)	1:A:16:LEU:HD12	2:B:230:VAL:HA	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:A:16:LEU:HD11	2:B:230:VAL:HA	5	0.11
(1,810)	1:A:16:LEU:HD13	2:B:230:VAL:HA	5	0.11
(1,810)	1:A:16:LEU:HD22	2:B:230:VAL:HA	5	0.11
(1,810)	1:A:16:LEU:HD21	2:B:230:VAL:HA	5	0.11
(1,807)	1:A:15:ILE:HG22	2:B:232:ILE:HB	9	0.11
(1,807)	1:A:15:ILE:HG21	2:B:209:LEU:HG	9	0.11
(1,807)	1:A:15:ILE:HG21	2:B:232:ILE:HB	9	0.11
(1,807)	1:A:15:ILE:HG23	2:B:232:ILE:HB	9	0.11
(1,795)	1:A:4:VAL:HG13	2:B:212:LEU:HG	7	0.11
(1,795)	1:A:4:VAL:HG12	2:B:212:LEU:HG	7	0.11
(1,795)	1:A:4:VAL:HG11	2:B:212:LEU:HG	7	0.11
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB2	3	0.11
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB3	3	0.11
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB2	8	0.11
(1,780)	2:B:280:ALA:HA	2:B:279:SER:HB3	8	0.11
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	4	0.11
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	4	0.11
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	4	0.11
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	4	0.11
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	4	0.11
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	14	0.11
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	14	0.11
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	14	0.11
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	14	0.11
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	14	0.11
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB3	17	0.11
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB2	17	0.11
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB1	17	0.11
(1,778)	2:B:279:SER:HB2	2:B:280:ALA:HB3	17	0.11
(1,778)	2:B:279:SER:HB3	2:B:280:ALA:HB1	17	0.11
(1,767)	2:B:311:PHE:HB2	2:B:310:GLY:HA2	16	0.11
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA2	16	0.11
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA3	16	0.11
(1,767)	2:B:311:PHE:HB3	2:B:310:GLY:HA2	16	0.11
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA2	16	0.11
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA3	16	0.11
(1,767)	2:B:311:PHE:HB2	2:B:310:GLY:HA2	20	0.11
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA2	20	0.11
(1,767)	2:B:311:PHE:HB2	2:B:312:GLY:HA3	20	0.11
(1,767)	2:B:311:PHE:HB3	2:B:310:GLY:HA2	20	0.11
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA2	20	0.11
(1,767)	2:B:311:PHE:HB3	2:B:312:GLY:HA3	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG2	18	0.11
(1,763)	2:B:276:ALA:HA	2:B:277:PRO:HG3	18	0.11
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	6	0.11
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	6	0.11
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	9	0.11
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	9	0.11
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	18	0.11
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	18	0.11
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB2	20	0.11
(1,761)	2:B:274:SER:HA	2:B:274:SER:HB3	20	0.11
(1,753)	2:B:265:VAL:HG12	2:B:266:PRO:HD2	12	0.11
(1,753)	2:B:265:VAL:HG11	2:B:266:PRO:HD2	12	0.11
(1,753)	2:B:265:VAL:HG13	2:B:266:PRO:HD2	12	0.11
(1,753)	2:B:265:VAL:HG22	2:B:266:PRO:HD2	12	0.11
(1,753)	2:B:265:VAL:HG22	2:B:266:PRO:HD3	12	0.11
(1,753)	2:B:265:VAL:HG21	2:B:266:PRO:HD2	12	0.11
(1,753)	2:B:265:VAL:HG21	2:B:266:PRO:HD3	12	0.11
(1,753)	2:B:265:VAL:HG23	2:B:266:PRO:HD2	12	0.11
(1,753)	2:B:265:VAL:HG23	2:B:266:PRO:HD3	12	0.11
(1,753)	2:B:265:VAL:HG12	2:B:266:PRO:HD2	14	0.11
(1,753)	2:B:265:VAL:HG11	2:B:266:PRO:HD2	14	0.11
(1,753)	2:B:265:VAL:HG13	2:B:266:PRO:HD2	14	0.11
(1,753)	2:B:265:VAL:HG22	2:B:266:PRO:HD2	14	0.11
(1,753)	2:B:265:VAL:HG22	2:B:266:PRO:HD3	14	0.11
(1,753)	2:B:265:VAL:HG21	2:B:266:PRO:HD2	14	0.11
(1,753)	2:B:265:VAL:HG21	2:B:266:PRO:HD3	14	0.11
(1,753)	2:B:265:VAL:HG23	2:B:266:PRO:HD2	14	0.11
(1,753)	2:B:265:VAL:HG23	2:B:266:PRO:HD3	14	0.11
(1,743)	2:B:259:ILE:HG22	1:A:60:ILE:HG13	14	0.11
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG12	14	0.11
(1,743)	2:B:259:ILE:HG21	1:A:60:ILE:HG13	14	0.11
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG12	14	0.11
(1,743)	2:B:259:ILE:HG23	1:A:60:ILE:HG13	14	0.11
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD2	5	0.11
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD1	5	0.11
(1,739)	2:B:259:ILE:HG21	1:A:11:TYR:HD2	5	0.11
(1,739)	2:B:259:ILE:HG23	1:A:11:TYR:HD2	5	0.11
(1,739)	2:B:259:ILE:HG22	1:A:11:TYR:HD1	5	0.11
(1,729)	2:B:251:ILE:HG22	2:B:207:TYR:HD1	19	0.11
(1,729)	2:B:251:ILE:HG21	2:B:207:TYR:HD1	19	0.11
(1,729)	2:B:251:ILE:HG23	2:B:207:TYR:HD1	19	0.11
(1,717)	2:B:246:LEU:HD12	2:B:242:VAL:HB	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	2:B:246:LEU:HD11	2:B:242:VAL:HB	6	0.11
(1,717)	2:B:246:LEU:HD13	2:B:242:VAL:HB	6	0.11
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE2	15	0.11
(1,687)	2:B:239:LEU:HD21	2:B:224:LYS:HE3	15	0.11
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE2	15	0.11
(1,687)	2:B:239:LEU:HD23	2:B:224:LYS:HE3	15	0.11
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE2	15	0.11
(1,687)	2:B:239:LEU:HD11	2:B:224:LYS:HE3	15	0.11
(1,687)	2:B:239:LEU:HD13	2:B:224:LYS:HE3	15	0.11
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE2	15	0.11
(1,687)	2:B:239:LEU:HD22	2:B:224:LYS:HE3	15	0.11
(1,678)	2:B:234:ALA:HB3	2:B:224:LYS:HA	5	0.11
(1,678)	2:B:234:ALA:HB2	2:B:224:LYS:HA	5	0.11
(1,678)	2:B:234:ALA:HB1	2:B:224:LYS:HA	5	0.11
(1,678)	2:B:234:ALA:HB3	2:B:224:LYS:HA	10	0.11
(1,678)	2:B:234:ALA:HB2	2:B:224:LYS:HA	10	0.11
(1,678)	2:B:234:ALA:HB1	2:B:224:LYS:HA	10	0.11
(1,678)	2:B:234:ALA:HB3	2:B:224:LYS:HA	15	0.11
(1,678)	2:B:234:ALA:HB2	2:B:224:LYS:HA	15	0.11
(1,678)	2:B:234:ALA:HB1	2:B:224:LYS:HA	15	0.11
(1,675)	2:B:232:ILE:HG22	1:A:21:VAL:HB	14	0.11
(1,675)	2:B:232:ILE:HG21	1:A:21:VAL:HB	14	0.11
(1,675)	2:B:232:ILE:HG23	1:A:21:VAL:HB	14	0.11
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB1	1	0.11
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB3	1	0.11
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB2	1	0.11
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB1	1	0.11
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB2	1	0.11
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB1	1	0.11
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB3	1	0.11
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB1	2	0.11
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB3	2	0.11
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB2	2	0.11
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB1	2	0.11
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB2	2	0.11
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB1	2	0.11
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB3	2	0.11
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB1	14	0.11
(1,656)	2:B:226:ILE:HD12	1:A:35:ALA:HB3	14	0.11
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB2	14	0.11
(1,656)	2:B:226:ILE:HD11	1:A:35:ALA:HB1	14	0.11
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB2	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB1	14	0.11
(1,656)	2:B:226:ILE:HD13	1:A:35:ALA:HB3	14	0.11
(1,653)	2:B:223:ILE:HG21	2:B:206:SER:HA	16	0.11
(1,653)	2:B:223:ILE:HG23	2:B:206:SER:HA	16	0.11
(1,653)	2:B:223:ILE:HG22	2:B:206:SER:HA	16	0.11
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD12	6	0.11
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD11	6	0.11
(1,643)	2:B:220:ALA:HB3	2:B:239:LEU:HD13	6	0.11
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD12	6	0.11
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD11	6	0.11
(1,643)	2:B:220:ALA:HB2	2:B:239:LEU:HD13	6	0.11
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD12	6	0.11
(1,643)	2:B:220:ALA:HB1	2:B:239:LEU:HD13	6	0.11
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG2	1	0.11
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG3	1	0.11
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG2	5	0.11
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG3	5	0.11
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG2	7	0.11
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG3	7	0.11
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG2	12	0.11
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG3	12	0.11
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG2	15	0.11
(1,640)	2:B:218:PRO:HA	2:B:218:PRO:HG3	15	0.11
(1,627)	2:B:210:ALA:HB2	2:B:223:ILE:HD12	19	0.11
(1,627)	2:B:210:ALA:HB2	2:B:223:ILE:HD11	19	0.11
(1,627)	2:B:210:ALA:HB2	2:B:223:ILE:HD13	19	0.11
(1,627)	2:B:210:ALA:HB1	2:B:223:ILE:HD11	19	0.11
(1,627)	2:B:210:ALA:HB1	2:B:223:ILE:HD13	19	0.11
(1,627)	2:B:210:ALA:HB3	2:B:223:ILE:HD12	19	0.11
(1,627)	2:B:210:ALA:HB3	2:B:223:ILE:HD11	19	0.11
(1,627)	2:B:210:ALA:HB3	2:B:223:ILE:HD13	19	0.11
(1,625)	2:B:209:LEU:HD12	1:A:12:SER:HA	19	0.11
(1,625)	2:B:209:LEU:HD11	1:A:12:SER:HA	19	0.11
(1,625)	2:B:209:LEU:HD13	1:A:12:SER:HA	19	0.11
(1,625)	2:B:209:LEU:HD22	1:A:12:SER:HA	19	0.11
(1,625)	2:B:209:LEU:HD21	1:A:12:SER:HA	19	0.11
(1,625)	2:B:209:LEU:HD23	1:A:12:SER:HA	19	0.11
(1,60)	1:A:36:GLY:H	1:A:32:ILE:HG22	6	0.11
(1,60)	1:A:36:GLY:H	1:A:32:ILE:HG21	6	0.11
(1,60)	1:A:36:GLY:H	1:A:32:ILE:HG23	6	0.11
(1,6)	1:A:9:CYS:H	1:A:39:VAL:HG12	4	0.11
(1,6)	1:A:9:CYS:H	1:A:39:VAL:HG13	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:A:9:CYS:H	1:A:39:VAL:HG22	4	0.11
(1,6)	1:A:9:CYS:H	1:A:39:VAL:HG21	4	0.11
(1,6)	1:A:9:CYS:H	1:A:39:VAL:HG23	4	0.11
(1,599)	1:A:55:ASN:HB2	1:A:56:ILE:HG22	14	0.11
(1,599)	1:A:55:ASN:HB2	1:A:56:ILE:HG21	14	0.11
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG22	14	0.11
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG21	14	0.11
(1,599)	1:A:55:ASN:HB3	1:A:56:ILE:HG23	14	0.11
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB2	10	0.11
(1,597)	1:A:54:VAL:HB	1:A:51:LEU:HB3	10	0.11
(1,582)	1:A:96:ALA:HA	1:A:95:GLU:HG2	1	0.11
(1,582)	1:A:96:ALA:HA	1:A:95:GLU:HG3	1	0.11
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG2	15	0.11
(1,577)	1:A:88:PRO:HA	1:A:88:PRO:HG3	15	0.11
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD22	20	0.11
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD21	20	0.11
(1,55)	1:A:35:ALA:H	1:A:31:LEU:HD23	20	0.11
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG22	20	0.11
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG21	20	0.11
(1,55)	1:A:35:ALA:H	1:A:32:ILE:HG23	20	0.11
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	12	0.11
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	12	0.11
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	12	0.11
(1,541)	1:A:56:ILE:HG22	1:A:17:HIS:HD2	15	0.11
(1,541)	1:A:56:ILE:HG21	1:A:17:HIS:HD2	15	0.11
(1,541)	1:A:56:ILE:HG23	1:A:17:HIS:HD2	15	0.11
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	6	0.11
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	6	0.11
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	6	0.11
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	6	0.11
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	6	0.11
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	6	0.11
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG22	20	0.11
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG21	20	0.11
(1,54)	1:A:34:ALA:H	1:A:32:ILE:HG23	20	0.11
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD22	20	0.11
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD21	20	0.11
(1,54)	1:A:34:ALA:H	1:A:31:LEU:HD23	20	0.11
(1,539)	1:A:56:ILE:HD12	1:A:17:HIS:HA	18	0.11
(1,539)	1:A:56:ILE:HD11	1:A:17:HIS:HA	18	0.11
(1,539)	1:A:56:ILE:HD13	1:A:17:HIS:HA	18	0.11
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB2	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,532)	1:A:54:VAL:HG22	1:A:51:LEU:HB3	13	0.11
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB2	13	0.11
(1,532)	1:A:54:VAL:HG21	1:A:51:LEU:HB3	13	0.11
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB2	13	0.11
(1,532)	1:A:54:VAL:HG23	1:A:51:LEU:HB3	13	0.11
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB2	4	0.11
(1,530)	1:A:54:VAL:HG21	1:A:53:ASN:HB3	4	0.11
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB2	4	0.11
(1,530)	1:A:54:VAL:HG23	1:A:53:ASN:HB3	4	0.11
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB2	4	0.11
(1,530)	1:A:54:VAL:HG22	1:A:53:ASN:HB3	4	0.11
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB2	8	0.11
(1,527)	1:A:54:VAL:HA	1:A:58:SER:HB3	8	0.11
(1,523)	1:A:51:LEU:HD12	1:A:47:PHE:HA	4	0.11
(1,523)	1:A:51:LEU:HD11	1:A:47:PHE:HA	4	0.11
(1,523)	1:A:51:LEU:HD13	1:A:47:PHE:HA	4	0.11
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	13	0.11
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	13	0.11
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG12	16	0.11
(1,487)	1:A:34:ALA:HA	2:B:226:ILE:HG13	16	0.11
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	9	0.11
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	9	0.11
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	9	0.11
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD12	15	0.11
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD11	15	0.11
(1,485)	1:A:34:ALA:HA	2:B:226:ILE:HD13	15	0.11
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	8	0.11
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	8	0.11
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	8	0.11
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	8	0.11
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	8	0.11
(1,479)	1:A:32:ILE:HD12	1:A:28:ILE:HG12	13	0.11
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG12	13	0.11
(1,479)	1:A:32:ILE:HD11	1:A:28:ILE:HG13	13	0.11
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG12	13	0.11
(1,479)	1:A:32:ILE:HD13	1:A:28:ILE:HG13	13	0.11
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG12	15	0.11
(1,471)	1:A:13:ALA:HB2	1:A:10:ILE:HG13	15	0.11
(1,471)	1:A:13:ALA:HB1	1:A:10:ILE:HG13	15	0.11
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG12	15	0.11
(1,471)	1:A:13:ALA:HB3	1:A:10:ILE:HG13	15	0.11
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG12	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG11	7	0.11
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG13	7	0.11
(1,470)	1:A:30:ALA:HB2	2:B:230:VAL:HG21	7	0.11
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG12	7	0.11
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG11	7	0.11
(1,470)	1:A:30:ALA:HB1	2:B:230:VAL:HG13	7	0.11
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG12	7	0.11
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG11	7	0.11
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG13	7	0.11
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG22	7	0.11
(1,470)	1:A:30:ALA:HB3	2:B:230:VAL:HG23	7	0.11
(1,465)	1:A:28:ILE:HG23	1:A:47:PHE:HB3	20	0.11
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB2	20	0.11
(1,465)	1:A:28:ILE:HG22	1:A:47:PHE:HB3	20	0.11
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB2	20	0.11
(1,465)	1:A:28:ILE:HG21	1:A:47:PHE:HB3	20	0.11
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB2	7	0.11
(1,464)	1:A:28:ILE:HG22	1:A:9:CYS:HB3	7	0.11
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB2	7	0.11
(1,464)	1:A:28:ILE:HG21	1:A:9:CYS:HB3	7	0.11
(1,464)	1:A:28:ILE:HG23	1:A:9:CYS:HB2	7	0.11
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE1	8	0.11
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE2	8	0.11
(1,463)	1:A:28:ILE:HD11	1:A:47:PHE:HE2	8	0.11
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE1	8	0.11
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE2	8	0.11
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE1	20	0.11
(1,463)	1:A:28:ILE:HD12	1:A:47:PHE:HE2	20	0.11
(1,463)	1:A:28:ILE:HD11	1:A:47:PHE:HE2	20	0.11
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE1	20	0.11
(1,463)	1:A:28:ILE:HD13	1:A:47:PHE:HE2	20	0.11
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	9	0.11
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	9	0.11
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	9	0.11
(1,460)	1:A:28:ILE:HD12	1:A:28:ILE:HA	19	0.11
(1,460)	1:A:28:ILE:HD11	1:A:28:ILE:HA	19	0.11
(1,460)	1:A:28:ILE:HD13	1:A:28:ILE:HA	19	0.11
(1,447)	1:A:23:VAL:HG12	1:A:17:HIS:HD2	16	0.11
(1,447)	1:A:23:VAL:HG11	1:A:17:HIS:HD2	16	0.11
(1,447)	1:A:23:VAL:HG13	1:A:17:HIS:HD2	16	0.11
(1,447)	1:A:23:VAL:HG22	1:A:17:HIS:HD2	16	0.11
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	4	0.11
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	4	0.11
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD11	7	0.11
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD13	7	0.11
(1,44)	1:A:29:ASN:H	1:A:28:ILE:HD12	7	0.11
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG23	5	0.11
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HD12	5	0.11
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG22	5	0.11
(1,437)	1:A:19:ASP:HA	2:B:232:ILE:HG21	5	0.11
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB2	19	0.11
(1,435)	1:A:15:ILE:HG22	1:A:31:LEU:HB3	19	0.11
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG22	19	0.11
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG21	19	0.11
(1,435)	1:A:15:ILE:HG22	2:B:223:ILE:HG23	19	0.11
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB2	19	0.11
(1,435)	1:A:15:ILE:HG21	1:A:31:LEU:HB3	19	0.11
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB2	19	0.11
(1,435)	1:A:15:ILE:HG23	1:A:31:LEU:HB3	19	0.11
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB2	9	0.11
(1,427)	1:A:14:LEU:HG	2:B:262:LEU:HB3	9	0.11
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG12	9	0.11
(1,424)	1:A:14:LEU:HG	1:A:10:ILE:HG13	9	0.11
(1,417)	1:A:13:ALA:HB2	1:A:51:LEU:HD11	14	0.11
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD12	14	0.11
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD13	14	0.11
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD21	14	0.11
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD22	14	0.11
(1,417)	1:A:13:ALA:HB3	1:A:51:LEU:HD23	14	0.11
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB2	5	0.11
(1,388)	2:B:314:PHE:H	2:B:313:LEU:HB3	5	0.11
(1,385)	2:B:313:LEU:H	2:B:313:LEU:HB2	20	0.11
(1,385)	2:B:313:LEU:H	2:B:313:LEU:HB3	20	0.11
(1,381)	2:B:309:MET:H	2:B:309:MET:HG2	20	0.11
(1,381)	2:B:309:MET:H	2:B:309:MET:HG3	20	0.11
(1,364)	2:B:301:GLU:H	2:B:301:GLU:HB2	18	0.11
(1,364)	2:B:301:GLU:H	2:B:301:GLU:HB3	18	0.11
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB2	4	0.11
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB1	4	0.11
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB3	4	0.11
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB2	14	0.11
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB1	14	0.11
(1,354)	2:B:292:GLU:H	2:B:291:ALA:HB3	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	2:B:270:ALA:H	2:B:269:GLY:HA2	7	0.11
(1,331)	2:B:270:ALA:H	2:B:269:GLY:HA3	7	0.11
(1,320)	2:B:265:VAL:H	2:B:264:SER:HB2	3	0.11
(1,320)	2:B:265:VAL:H	2:B:264:SER:HB3	3	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD12	2	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD11	2	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD13	2	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD12	12	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD11	12	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD13	12	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD12	13	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD11	13	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD13	13	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD12	20	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD11	20	0.11
(1,276)	2:B:244:SER:H	2:B:243:ILE:HD13	20	0.11
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG12	15	0.11
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG11	15	0.11
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG13	15	0.11
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG22	15	0.11
(1,267)	2:B:241:LYS:H	2:B:242:VAL:HG21	15	0.11
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE2	17	0.11
(1,219)	2:B:224:LYS:H	2:B:224:LYS:HE3	17	0.11
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD11	3	0.11
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD13	3	0.11
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD12	3	0.11
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD11	18	0.11
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD13	18	0.11
(1,212)	2:B:221:LYS:H	2:B:243:ILE:HD12	18	0.11
(1,208)	2:B:220:ALA:H	2:B:243:ILE:HG21	12	0.11
(1,208)	2:B:220:ALA:H	2:B:243:ILE:HG23	12	0.11
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE1	13	0.11
(1,196)	2:B:217:SER:H	2:B:207:TYR:HE2	13	0.11
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB2	4	0.11
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB1	4	0.11
(1,190)	2:B:215:ASN:H	2:B:211:ALA:HB3	4	0.11
(1,143)	1:A:101:SER:H	1:A:100:GLU:HG2	15	0.11
(1,143)	1:A:101:SER:H	1:A:100:GLU:HG3	15	0.11
(1,133)	1:A:96:ALA:H	1:A:95:GLU:HG2	7	0.11
(1,133)	1:A:96:ALA:H	1:A:95:GLU:HG3	7	0.11
(1,129)	1:A:94:VAL:H	1:A:93:LYS:HB2	19	0.11
(1,129)	1:A:94:VAL:H	1:A:93:LYS:HB3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG3	20	0.11
(1,128)	1:A:92:LYS:H	1:A:91:GLU:HG2	20	0.11
(1,125)	1:A:91:GLU:H	1:A:91:GLU:HG2	13	0.11
(1,125)	1:A:91:GLU:H	1:A:91:GLU:HG3	13	0.11
(1,1235)	1:A:14:LEU:HG	1:A:10:ILE:HA	3	0.11
(1,1204)	2:B:293:GLU:H	2:B:293:GLU:HA	2	0.11
(1,1202)	2:B:290:ALA:H	2:B:290:ALA:HA	19	0.11
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD12	2	0.11
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD11	2	0.11
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD13	2	0.11
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD12	15	0.11
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD11	15	0.11
(1,12)	1:A:13:ALA:H	1:A:28:ILE:HD13	15	0.11
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD22	10	0.11
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD21	10	0.11
(1,1168)	2:B:263:ALA:H	2:B:262:LEU:HD23	10	0.11
(1,1167)	2:B:263:ALA:H	2:B:262:LEU:HG	16	0.11
(1,116)	1:A:83:SER:H	1:A:82:PRO:HG2	15	0.11
(1,116)	1:A:83:SER:H	1:A:82:PRO:HG3	15	0.11
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	1	0.11
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	4	0.11
(1,1129)	2:B:242:VAL:H	2:B:243:ILE:HB	16	0.11
(1,102)	1:A:65:ALA:H	1:A:64:GLY:H	9	0.11
(1,102)	1:A:65:ALA:H	1:A:66:GLY:H	9	0.11
(1,1009)	1:A:105:ASP:H	1:A:104:SER:HA	15	0.11
(1,1006)	1:A:102:GLU:H	1:A:101:SER:HA	3	0.11
(1,1005)	1:A:101:SER:H	1:A:100:GLU:HA	5	0.11
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	2	0.11
(1,1001)	1:A:97:LYS:H	1:A:97:LYS:HA	13	0.11

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

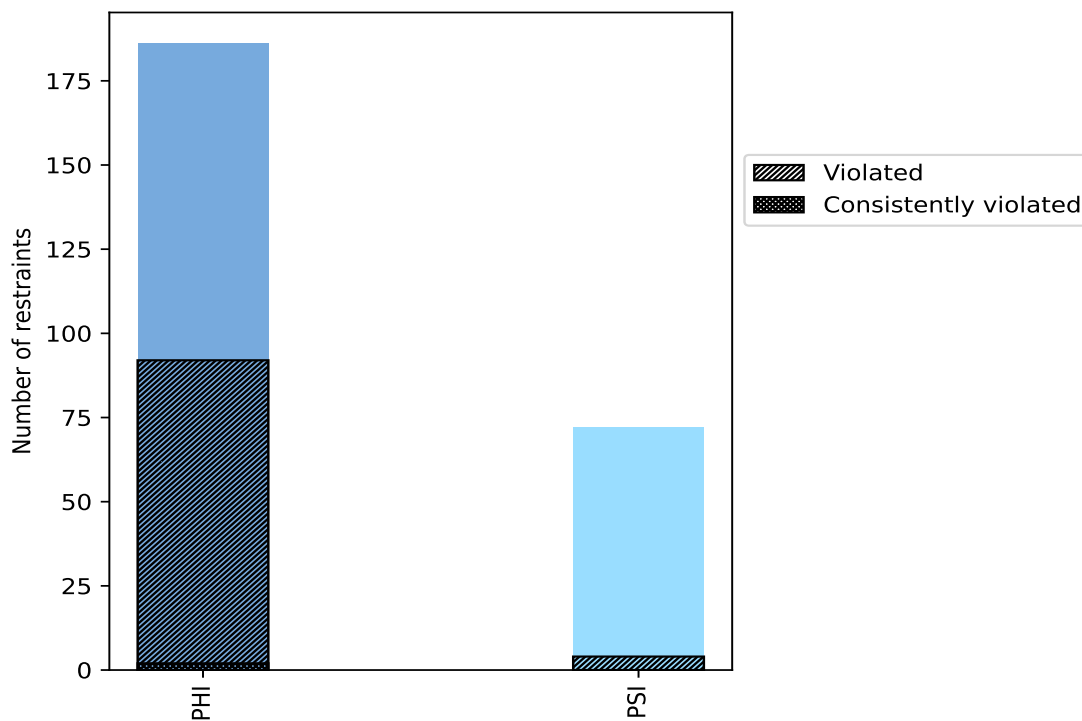
10.1 Summary of dihedral-angle violations [i](#)

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	186	72.1	92	49.5	35.7	2	1.1	0.8
PSI	72	27.9	4	5.6	1.6	0	0.0	0.0
Total	258	100.0	96	37.2	37.2	2	0.8	0.8

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](#)



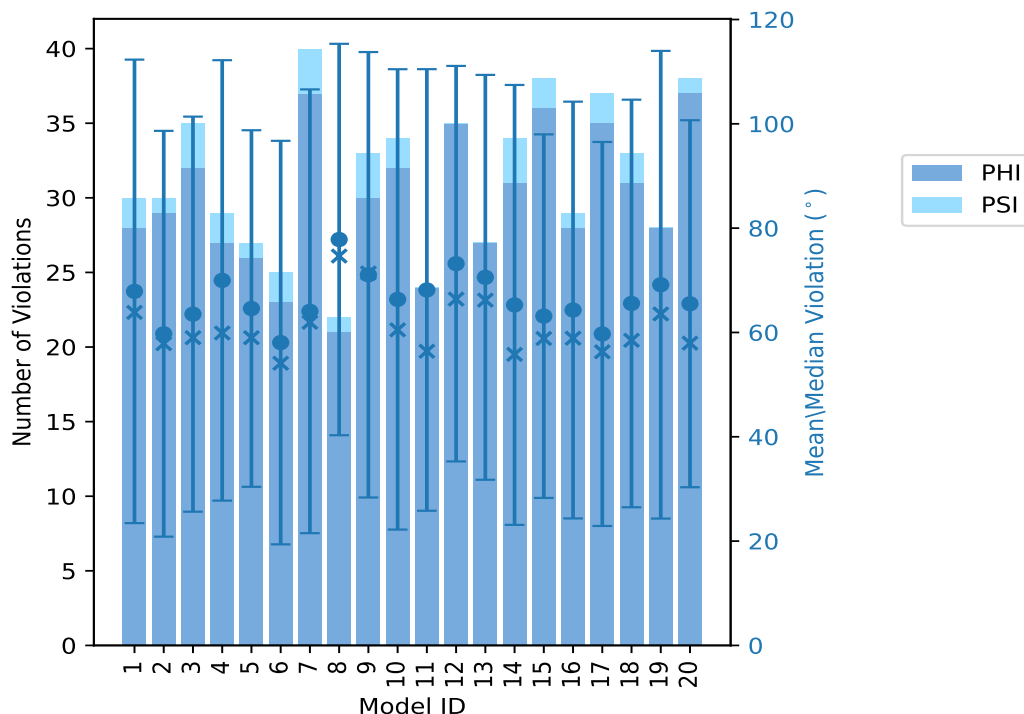
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	28	2	30	67.88	153.4	44.43	63.85
2	29	1	30	59.75	145.7	38.9	57.85
3	32	3	35	63.51	146.0	37.87	59.0
4	27	2	29	69.98	149.0	42.22	59.9
5	26	1	27	64.59	142.2	34.18	59.0
6	23	2	25	58.06	150.7	38.68	54.1
7	37	3	40	64.06	154.7	42.54	61.95
8	21	1	22	77.82	149.9	37.52	74.65
9	30	3	33	71.06	154.3	42.7	71.4
10	32	2	34	66.34	148.3	44.13	60.5
11	24	0	24	68.15	141.0	42.33	56.4
12	35	0	35	73.19	147.4	37.91	66.4
13	27	0	27	70.57	143.0	38.81	66.2
14	31	3	34	65.28	150.5	42.17	55.8
15	36	2	38	63.13	136.9	34.85	58.85
16	28	1	29	64.3	133.7	39.95	58.9
17	35	2	37	59.71	150.6	36.81	56.3
18	31	2	33	65.56	154.3	39.07	58.5
19	28	0	28	69.15	151.0	44.83	63.55
20	37	1	38	65.51	151.2	35.18	57.95

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	%
10	0	10	1	5.0
12	0	12	2	10.0
9	1	10	3	15.0
8	0	8	4	20.0
8	0	8	5	25.0
14	0	14	6	30.0
5	1	6	7	35.0
3	1	4	8	40.0
3	0	3	9	45.0
2	0	2	10	50.0
2	0	2	11	55.0

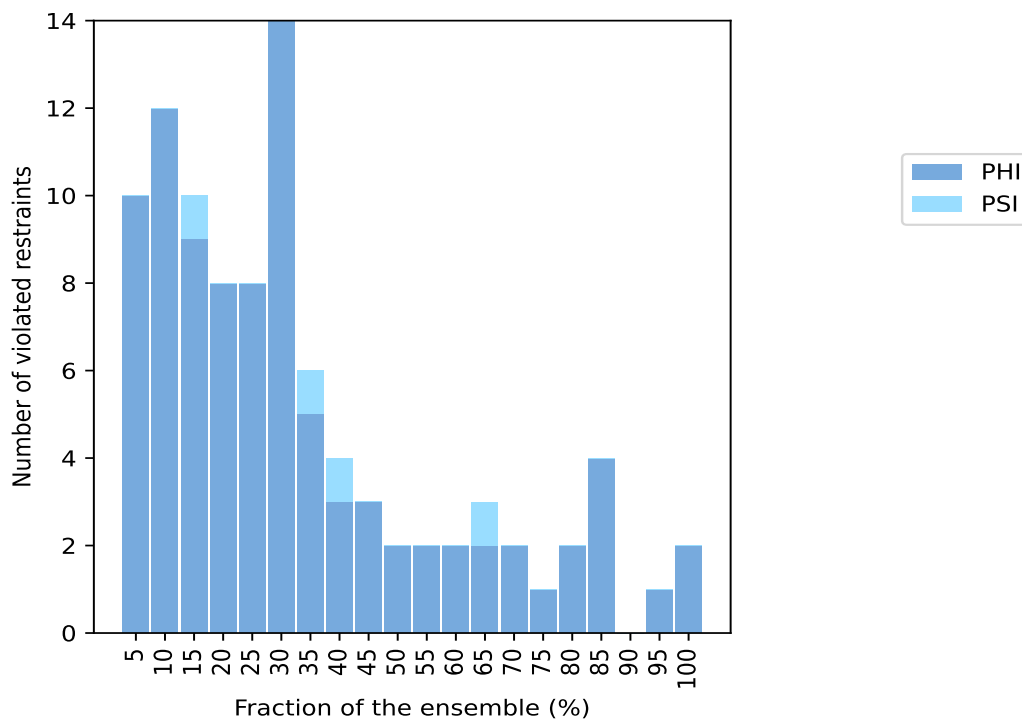
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Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count ¹	%
2	0	2	12	60.0
2	1	3	13	65.0
2	0	2	14	70.0
1	0	1	15	75.0
2	0	2	16	80.0
4	0	4	17	85.0
0	0	0	18	90.0
1	0	1	19	95.0
2	0	2	20	100.0

¹ Number of models with violations

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

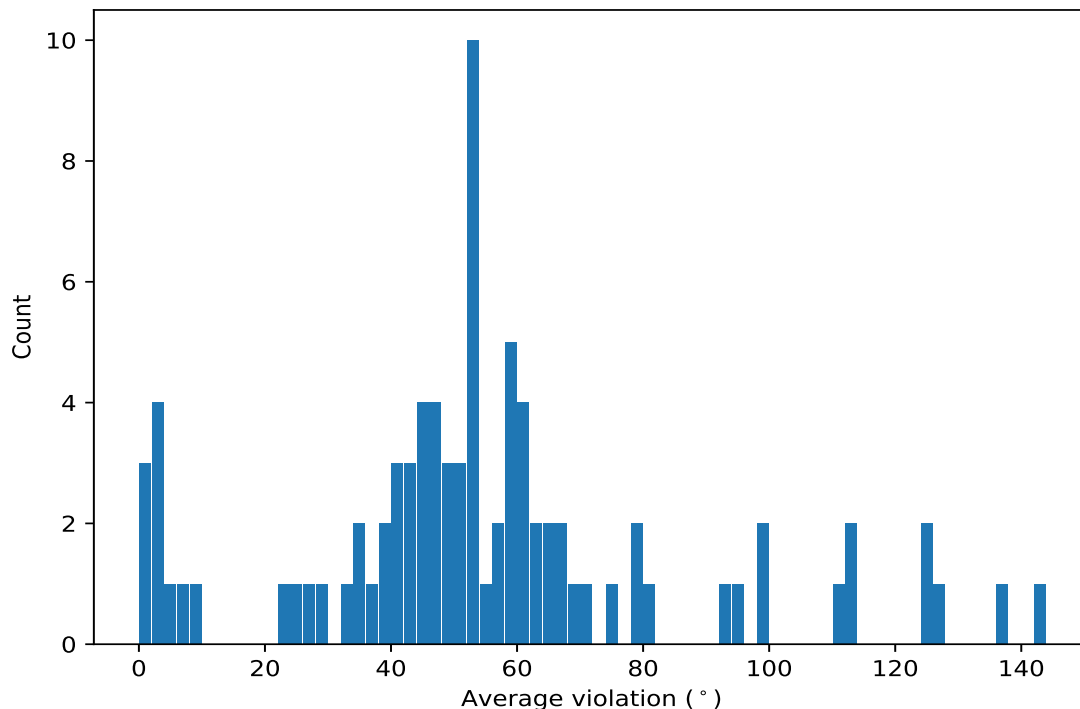


10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

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
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	20	98.57	10.91	98.3
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	20	65.54	8.06	66.85
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	19	142.68	10.02	145.7
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	17	136.48	14.42	138.5
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	17	126.89	18.15	130.4
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	17	124.22	17.03	128.4
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	17	110.55	17.73	106.5
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	16	124.96	14.8	127.95
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	16	44.72	29.93	45.55
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	15	113.91	19.1	118.9
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	14	112.47	18.85	115.8
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	14	47.03	4.77	47.1
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	13	63.3	14.81	65.4
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	13	44.57	27.92	35.3
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	13	2.78	0.85	2.5
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	12	58.97	15.02	61.4
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	12	42.58	24.55	37.85
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	11	99.06	20.72	99.6
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	11	45.94	15.01	49.1
(1,215)	2:B:268:GLY:C	2:B:269:GLY:N	2:B:269:GLY:CA	2:B:269:GLY:C	10	75.66	11.94	78.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,184)	1:A:85:ALA:C	1:A:86:ALA:N	1:A:86:ALA:CA	1:A:86:ALA:C	10	60.62	3.56	61.85
(1,200)	1:A:102:GLU:C	1:A:103:GLU:N	1:A:103:GLU:CA	1:A:103:GLU:C	9	58.22	11.07	64.1
(1,245)	2:B:300:GLU:C	2:B:301:GLU:N	2:B:301:GLU:CA	2:B:301:GLU:C	9	51.96	6.93	52.5
(1,213)	2:B:266:PRO:C	2:B:267:ALA:N	2:B:267:ALA:CA	2:B:267:ALA:C	9	43.64	9.78	41.1
(1,255)	2:B:310:GLY:C	2:B:311:PHE:N	2:B:311:PHE:CA	2:B:311:PHE:C	8	67.6	2.87	68.45
(1,181)	1:A:82:PRO:C	1:A:83:SER:N	1:A:83:SER:CA	1:A:83:SER:C	8	38.36	5.34	37.15
(1,230)	2:B:284:ALA:C	2:B:285:GLY:N	2:B:285:GLY:CA	2:B:285:GLY:C	8	26.81	17.82	19.25
(1,156)	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	2:B:259:ILE:N	8	2.24	0.99	2.05
(1,170)	1:A:71:ALA:C	1:A:72:ALA:N	1:A:72:ALA:CA	1:A:72:ALA:C	7	60.19	5.87	63.7
(1,206)	1:A:108:MET:C	1:A:109:GLY:N	1:A:109:GLY:CA	1:A:109:GLY:C	7	59.83	19.74	70.6
(1,204)	1:A:106:ASP:C	1:A:107:ASP:N	1:A:107:ASP:CA	1:A:107:ASP:C	7	52.86	6.8	49.9
(1,171)	1:A:72:ALA:C	1:A:73:GLY:N	1:A:73:GLY:CA	1:A:73:GLY:C	7	41.26	30.81	53.5
(1,236)	2:B:291:ALA:C	2:B:292:GLU:N	2:B:292:GLU:CA	2:B:292:GLU:C	7	28.26	4.27	28.2
(1,68)	1:A:52:ALA:N	1:A:52:ALA:CA	1:A:52:ALA:C	1:A:53:ASN:N	7	1.7	0.39	1.6
(1,189)	1:A:91:GLU:C	1:A:92:LYS:N	1:A:92:LYS:CA	1:A:92:LYS:C	6	94.55	38.11	111.0
(1,237)	2:B:292:GLU:C	2:B:293:GLU:N	2:B:293:GLU:CA	2:B:293:GLU:C	6	92.68	5.85	92.35
(1,211)	2:B:263:ALA:C	2:B:264:SER:N	2:B:264:SER:CA	2:B:264:SER:C	6	78.7	27.47	91.5
(1,162)	1:A:63:VAL:C	1:A:64:GLY:N	1:A:64:GLY:CA	1:A:64:GLY:C	6	69.9	16.78	79.55
(1,194)	1:A:96:ALA:C	1:A:97:LYS:N	1:A:97:LYS:CA	1:A:97:LYS:C	6	63.03	1.5	63.0
(1,187)	1:A:89:ALA:C	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	6	59.3	7.59	58.4
(1,208)	1:A:110:PHE:C	1:A:111:GLY:N	1:A:111:GLY:CA	1:A:111:GLY:C	6	52.88	20.69	59.35
(1,175)	1:A:76:PRO:C	1:A:77:ALA:N	1:A:77:ALA:CA	1:A:77:ALA:C	6	51.9	9.31	51.65
(1,185)	1:A:86:ALA:C	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	6	49.12	6.49	47.95
(1,256)	2:B:311:PHE:C	2:B:312:GLY:N	2:B:312:GLY:CA	2:B:312:GLY:C	6	46.58	24.88	47.55
(1,202)	1:A:104:SER:C	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	6	45.95	5.91	47.6
(1,182)	1:A:83:SER:C	1:A:84:THR:N	1:A:84:THR:CA	1:A:84:THR:C	6	39.13	9.24	39.2
(1,155)	2:B:257:GLN:C	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	6	3.42	1.17	3.75
(1,69)	1:A:52:ALA:C	1:A:53:ASN:N	1:A:53:ASN:CA	1:A:53:ASN:C	6	1.95	0.56	1.85
(1,251)	2:B:306:ASP:C	2:B:307:ASP:N	2:B:307:ASP:CA	2:B:307:ASP:C	5	78.14	2.15	77.9
(1,205)	1:A:107:ASP:C	1:A:108:MET:N	1:A:108:MET:CA	1:A:108:MET:C	5	64.68	12.0	69.6
(1,197)	1:A:99:GLU:C	1:A:100:GLU:N	1:A:100:GLU:CA	1:A:100:GLU:C	5	59.26	3.46	59.1
(1,231)	2:B:285:GLY:C	2:B:286:SER:N	2:B:286:SER:CA	2:B:286:SER:C	5	40.82	8.79	40.7
(1,216)	2:B:269:GLY:C	2:B:270:ALA:N	2:B:270:ALA:CA	2:B:270:ALA:C	5	34.92	4.61	34.5
(1,223)	2:B:277:PRO:C	2:B:278:GLY:N	2:B:278:GLY:CA	2:B:278:GLY:C	5	34.56	24.8	25.6
(1,228)	2:B:282:PRO:C	2:B:283:ALA:N	2:B:283:ALA:CA	2:B:283:ALA:C	5	33.72	6.36	36.0
(1,257)	2:B:312:GLY:C	2:B:313:LEU:N	2:B:313:LEU:CA	2:B:313:LEU:C	5	23.08	7.51	19.7
(1,222)	2:B:275:ALA:C	2:B:276:ALA:N	2:B:276:ALA:CA	2:B:276:ALA:C	4	80.42	3.06	79.85
(1,253)	2:B:308:ASP:C	2:B:309:MET:N	2:B:309:MET:CA	2:B:309:MET:C	4	56.05	11.07	52.8
(1,192)	1:A:94:VAL:C	1:A:95:GLU:N	1:A:95:GLU:CA	1:A:95:GLU:C	4	53.65	8.76	52.7
(1,183)	1:A:84:THR:C	1:A:85:ALA:N	1:A:85:ALA:CA	1:A:85:ALA:C	4	53.25	5.0	52.5
(1,203)	1:A:105:ASP:C	1:A:106:ASP:N	1:A:106:ASP:CA	1:A:106:ASP:C	4	53.25	3.43	51.65
(1,244)	2:B:299:LYS:C	2:B:300:GLU:N	2:B:300:GLU:CA	2:B:300:GLU:C	4	52.5	5.23	50.95
(1,221)	2:B:274:SER:C	2:B:275:ALA:N	2:B:275:ALA:CA	2:B:275:ALA:C	4	48.08	5.78	47.85
(1,249)	2:B:304:GLU:C	2:B:305:SER:N	2:B:305:SER:CA	2:B:305:SER:C	4	46.68	3.81	48.1
(1,247)	2:B:302:SER:C	2:B:303:GLU:N	2:B:303:GLU:CA	2:B:303:GLU:C	3	71.93	1.13	71.4
(1,195)	1:A:97:LYS:C	1:A:98:LYS:N	1:A:98:LYS:CA	1:A:98:LYS:C	3	60.87	2.8	61.4
(1,201)	1:A:103:GLU:C	1:A:104:SER:N	1:A:104:SER:CA	1:A:104:SER:C	3	54.1	7.52	52.5
(1,219)	2:B:272:ALA:C	2:B:273:VAL:N	2:B:273:VAL:CA	2:B:273:VAL:C	3	52.27	8.18	58.0
(1,224)	2:B:278:GLY:C	2:B:279:SER:N	2:B:279:SER:CA	2:B:279:SER:C	3	50.93	1.21	51.3
(1,241)	2:B:296:ASP:C	2:B:297:GLU:N	2:B:297:GLU:CA	2:B:297:GLU:C	3	49.67	4.51	47.7
(1,248)	2:B:303:GLU:C	2:B:304:GLU:N	2:B:304:GLU:CA	2:B:304:GLU:C	3	40.6	2.84	42.3

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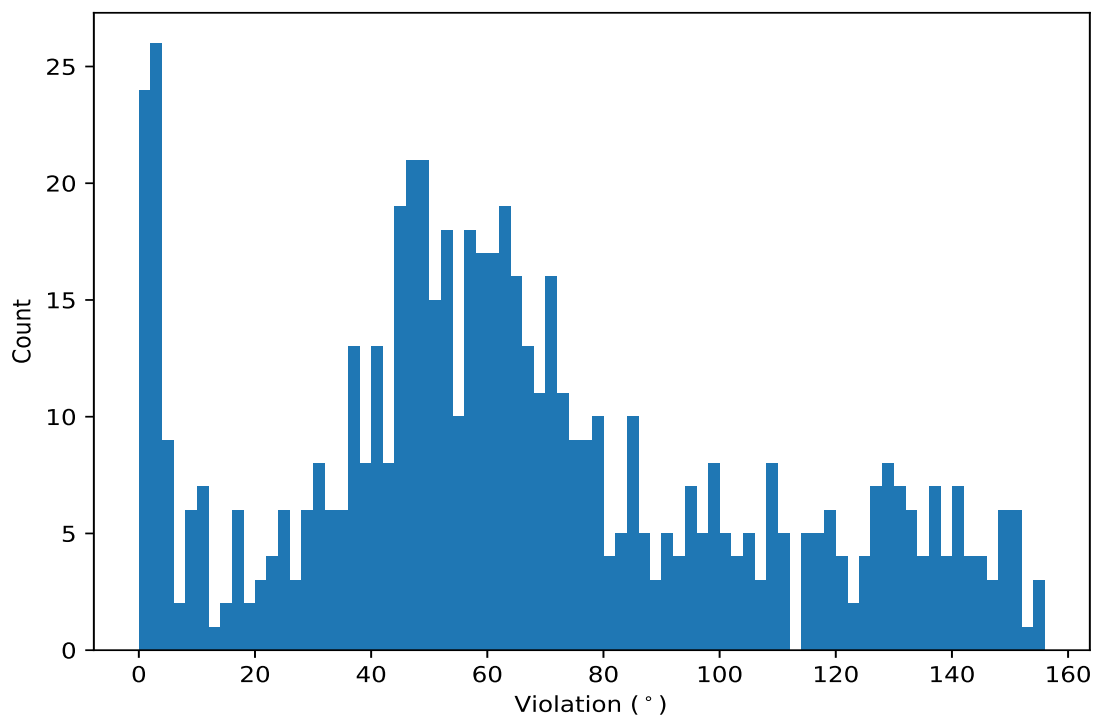
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,238)	2:B:293:GLU:C	2:B:294:LYS:N	2:B:294:LYS:CA	2:B:294:LYS:C	3	8.2	3.72	7.1
(1,71)	1:A:55:ASN:C	1:A:56:ILE:N	1:A:56:ILE:CA	1:A:56:ILE:C	3	4.03	0.65	4.1
(1,154)	2:B:257:GLN:N	2:B:257:GLN:CA	2:B:257:GLN:C	2:B:258:GLY:N	3	2.07	0.26	2.2
(1,234)	2:B:289:ALA:C	2:B:290:ALA:N	2:B:290:ALA:CA	2:B:290:ALA:C	2	67.1	8.1	67.1
(1,193)	1:A:95:GLU:C	1:A:96:ALA:N	1:A:96:ALA:CA	1:A:96:ALA:C	2	60.9	7.9	60.9
(1,198)	1:A:100:GLU:C	1:A:101:SER:N	1:A:101:SER:CA	1:A:101:SER:C	2	56.5	2.5	56.5
(1,242)	2:B:297:GLU:C	2:B:298:LYS:N	2:B:298:LYS:CA	2:B:298:LYS:C	2	53.5	8.9	53.5
(1,218)	2:B:271:VAL:C	2:B:272:ALA:N	2:B:272:ALA:CA	2:B:272:ALA:C	2	53.25	4.35	53.25
(1,163)	1:A:64:GLY:C	1:A:65:ALA:N	1:A:65:ALA:CA	1:A:65:ALA:C	2	53.2	6.4	53.2
(1,258)	2:B:313:LEU:C	2:B:314:PHE:N	2:B:314:PHE:CA	2:B:314:PHE:C	2	47.75	9.95	47.75
(1,172)	1:A:73:GLY:C	1:A:74:ALA:N	1:A:74:ALA:CA	1:A:74:ALA:C	2	43.65	5.25	43.65
(1,220)	2:B:273:VAL:C	2:B:274:SER:N	2:B:274:SER:CA	2:B:274:SER:C	2	36.55	8.55	36.55
(1,209)	1:A:111:GLY:C	1:A:112:LEU:N	1:A:112:LEU:CA	1:A:112:LEU:C	2	24.4	6.2	24.4
(1,177)	1:A:78:GLY:C	1:A:79:GLY:N	1:A:79:GLY:CA	1:A:79:GLY:C	2	6.2	4.5	6.2
(1,119)	2:B:232:ILE:C	2:B:233:GLU:N	2:B:233:GLU:CA	2:B:233:GLU:C	2	1.35	0.15	1.35

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 (°)
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	7	154.7
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	9	154.3
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	18	154.3
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	1	153.4
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	9	151.2
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	20	151.2
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	19	151.0
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	6	150.7
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	17	150.6
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	14	150.5
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	8	149.9
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	9	149.8
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	4	149.0
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	1	148.9
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	10	148.3
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	4	148.0
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	12	147.4
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	20	146.4
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	3	146.0
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	2	145.7
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	19	144.7
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	18	144.4
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	12	144.2
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	19	143.4
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	13	143.0
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	5	142.2
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	14	142.0
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	6	141.5
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	11	141.0
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	18	140.7
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	3	140.3
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	12	140.2
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	4	140.1
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	11	140.1
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	12	139.6
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	7	138.9
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	19	138.5
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	10	138.4
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	7	137.8
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	18	137.7
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	2	137.3
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	15	136.9
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	14	136.6
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	10	136.4
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	8	136.1
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	5	135.4
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	1	135.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	20	134.8
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	3	134.8
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	4	133.8
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	16	133.7
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	10	133.4
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	13	133.0
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	3	132.0
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	16	132.0
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	1	131.5
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	8	131.3
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	7	131.1
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	14	130.6
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	14	130.4
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	11	130.3
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	4	130.1
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	5	129.6
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	17	129.5
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	8	129.3
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	11	129.2
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	16	128.4
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	15	128.4
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	15	128.0
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	1	128.0
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	9	127.8
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	9	127.7
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	12	127.6
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	7	127.4
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	12	127.4
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	10	126.6
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	7	126.4
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	14	125.7
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	10	125.6
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	10	125.2
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	20	124.9
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	4	123.5
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	9	122.6
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	7	121.7
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	13	120.9
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	3	120.1
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	17	120.0
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	15	119.4
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	13	118.9
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	17	118.9
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	19	118.6
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	15	118.5
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	10	118.0
(1,179)	1:A:80:PRO:C	1:A:81:ALA:N	1:A:81:ALA:CA	1:A:81:ALA:C	8	117.9
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	1	117.8
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	20	117.5
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	1	116.9
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	5	116.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,189)	1:A:91:GLU:C	1:A:92:LYS:N	1:A:92:LYS:CA	1:A:92:LYS:C	12	115.4
(1,189)	1:A:91:GLU:C	1:A:92:LYS:N	1:A:92:LYS:CA	1:A:92:LYS:C	16	115.4
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	6	114.7
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	9	114.4
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	2	114.2
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	16	111.6
(1,189)	1:A:91:GLU:C	1:A:92:LYS:N	1:A:92:LYS:CA	1:A:92:LYS:C	10	111.4
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	14	111.1
(1,189)	1:A:91:GLU:C	1:A:92:LYS:N	1:A:92:LYS:CA	1:A:92:LYS:C	13	110.6
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	11	110.4
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	16	109.2
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	9	109.0
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	13	108.9
(1,239)	2:B:294:LYS:C	2:B:295:LYS:N	2:B:295:LYS:CA	2:B:295:LYS:C	11	108.8
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	3	108.4
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	14	108.2
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	16	108.1
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	18	108.0
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	11	107.8
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	20	107.2
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	2	106.5
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	2	105.5
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	17	105.4
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	19	105.3
(1,189)	1:A:91:GLU:C	1:A:92:LYS:N	1:A:92:LYS:CA	1:A:92:LYS:C	7	104.8
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	19	104.1
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	15	103.9
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	11	103.8
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	19	103.5
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	4	103.0
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	4	101.4
(1,237)	2:B:292:GLU:C	2:B:293:GLU:N	2:B:293:GLU:CA	2:B:293:GLU:C	9	101.1
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	2	101.1
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	18	100.5
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	16	100.0
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	8	99.6
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	19	99.5
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	18	99.5
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	3	99.3
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	15	99.0
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	7	98.7
(1,167)	1:A:68:PRO:C	1:A:69:ALA:N	1:A:69:ALA:CA	1:A:69:ALA:C	13	98.6
(1,237)	2:B:292:GLU:C	2:B:293:GLU:N	2:B:293:GLU:CA	2:B:293:GLU:C	16	98.1
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	8	97.9
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	12	97.1
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	12	97.0
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	12	96.5
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	1	96.2
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	18	95.9
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	3	95.9
(1,211)	2:B:263:ALA:C	2:B:264:SER:N	2:B:264:SER:CA	2:B:264:SER:C	20	95.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	7	95.2
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	15	95.2
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	20	95.1
(1,237)	2:B:292:GLU:C	2:B:293:GLU:N	2:B:293:GLU:CA	2:B:293:GLU:C	19	94.6
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	20	93.3
(1,211)	2:B:263:ALA:C	2:B:264:SER:N	2:B:264:SER:CA	2:B:264:SER:C	14	93.2
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	8	92.5
(1,211)	2:B:263:ALA:C	2:B:264:SER:N	2:B:264:SER:CA	2:B:264:SER:C	13	92.2
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	17	90.8
(1,211)	2:B:263:ALA:C	2:B:264:SER:N	2:B:264:SER:CA	2:B:264:SER:C	7	90.8
(1,215)	2:B:268:GLY:C	2:B:269:GLY:N	2:B:269:GLY:CA	2:B:269:GLY:C	1	90.5
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	13	90.2
(1,237)	2:B:292:GLU:C	2:B:293:GLU:N	2:B:293:GLU:CA	2:B:293:GLU:C	17	90.1
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	18	89.2
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	6	88.6
(1,237)	2:B:292:GLU:C	2:B:293:GLU:N	2:B:293:GLU:CA	2:B:293:GLU:C	13	88.1
(1,215)	2:B:268:GLY:C	2:B:269:GLY:N	2:B:269:GLY:CA	2:B:269:GLY:C	19	87.9
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	17	87.7
(1,235)	2:B:290:ALA:C	2:B:291:ALA:N	2:B:291:ALA:CA	2:B:291:ALA:C	1	87.7
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	15	86.9
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	2	86.4
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	6	85.7
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	5	85.1
(1,222)	2:B:275:ALA:C	2:B:276:ALA:N	2:B:276:ALA:CA	2:B:276:ALA:C	12	85.0
(1,162)	1:A:63:VAL:C	1:A:64:GLY:N	1:A:64:GLY:CA	1:A:64:GLY:C	12	84.8
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	17	84.5
(1,256)	2:B:311:PHE:C	2:B:312:GLY:N	2:B:312:GLY:CA	2:B:312:GLY:C	12	84.4
(1,215)	2:B:268:GLY:C	2:B:269:GLY:N	2:B:269:GLY:CA	2:B:269:GLY:C	17	84.3
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	2	84.3
(1,215)	2:B:268:GLY:C	2:B:269:GLY:N	2:B:269:GLY:CA	2:B:269:GLY:C	4	84.2
(1,237)	2:B:292:GLU:C	2:B:293:GLU:N	2:B:293:GLU:CA	2:B:293:GLU:C	10	84.1
(1,211)	2:B:263:ALA:C	2:B:264:SER:N	2:B:264:SER:CA	2:B:264:SER:C	2	82.8
(1,162)	1:A:63:VAL:C	1:A:64:GLY:N	1:A:64:GLY:CA	1:A:64:GLY:C	17	82.7
(1,190)	1:A:92:LYS:C	1:A:93:LYS:N	1:A:93:LYS:CA	1:A:93:LYS:C	13	82.2
(1,215)	2:B:268:GLY:C	2:B:269:GLY:N	2:B:269:GLY:CA	2:B:269:GLY:C	20	82.1
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	4	82.0
(1,251)	2:B:306:ASP:C	2:B:307:ASP:N	2:B:307:ASP:CA	2:B:307:ASP:C	2	81.6
(1,162)	1:A:63:VAL:C	1:A:64:GLY:N	1:A:64:GLY:CA	1:A:64:GLY:C	15	81.5
(1,222)	2:B:275:ALA:C	2:B:276:ALA:N	2:B:276:ALA:CA	2:B:276:ALA:C	8	81.3
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	6	80.4
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	5	79.8
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	13	79.6
(1,251)	2:B:306:ASP:C	2:B:307:ASP:N	2:B:307:ASP:CA	2:B:307:ASP:C	1	79.1
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	10	79.0
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	4	78.7
(1,222)	2:B:275:ALA:C	2:B:276:ALA:N	2:B:276:ALA:CA	2:B:276:ALA:C	5	78.4
(1,171)	1:A:72:ALA:C	1:A:73:GLY:N	1:A:73:GLY:CA	1:A:73:GLY:C	15	78.3
(1,252)	2:B:307:ASP:C	2:B:308:ASP:N	2:B:308:ASP:CA	2:B:308:ASP:C	13	78.2
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	5	78.1
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	7	78.0
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	9	77.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,251)	2:B:306:ASP:C	2:B:307:ASP:N	2:B:307:ASP:CA	2:B:307:ASP:C	18	77.9
(1,171)	1:A:72:ALA:C	1:A:73:GLY:N	1:A:73:GLY:CA	1:A:73:GLY:C	6	77.9
(1,162)	1:A:63:VAL:C	1:A:64:GLY:N	1:A:64:GLY:CA	1:A:64:GLY:C	9	77.6
(1,222)	2:B:275:ALA:C	2:B:276:ALA:N	2:B:276:ALA:CA	2:B:276:ALA:C	17	77.0
(1,251)	2:B:306:ASP:C	2:B:307:ASP:N	2:B:307:ASP:CA	2:B:307:ASP:C	20	76.9
(1,206)	1:A:108:MET:C	1:A:109:GLY:N	1:A:109:GLY:CA	1:A:109:GLY:C	7	76.6
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	7	76.3
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	17	76.0
(1,251)	2:B:306:ASP:C	2:B:307:ASP:N	2:B:307:ASP:CA	2:B:307:ASP:C	14	75.2
(1,234)	2:B:289:ALA:C	2:B:290:ALA:N	2:B:290:ALA:CA	2:B:290:ALA:C	8	75.2
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	9	74.9
(1,206)	1:A:108:MET:C	1:A:109:GLY:N	1:A:109:GLY:CA	1:A:109:GLY:C	8	74.8
(1,215)	2:B:268:GLY:C	2:B:269:GLY:N	2:B:269:GLY:CA	2:B:269:GLY:C	3	74.5
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	8	74.5
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	12	74.3
(1,168)	1:A:69:ALA:C	1:A:70:PRO:N	1:A:70:PRO:CA	1:A:70:PRO:C	9	74.2
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	10	74.0
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	1	73.8
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	15	73.7
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	6	73.7
(1,243)	2:B:298:LYS:C	2:B:299:LYS:N	2:B:299:LYS:CA	2:B:299:LYS:C	15	73.6
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	9	73.6
(1,247)	2:B:302:SER:C	2:B:303:GLU:N	2:B:303:GLU:CA	2:B:303:GLU:C	14	73.5
(1,215)	2:B:268:GLY:C	2:B:269:GLY:N	2:B:269:GLY:CA	2:B:269:GLY:C	7	73.3
(1,205)	1:A:107:ASP:C	1:A:108:MET:N	1:A:108:MET:CA	1:A:108:MET:C	16	73.2
(1,169)	1:A:70:PRO:C	1:A:71:ALA:N	1:A:71:ALA:CA	1:A:71:ALA:C	5	73.2
(1,253)	2:B:308:ASP:C	2:B:309:MET:N	2:B:309:MET:CA	2:B:309:MET:C	1	73.1
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	11	72.1
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	9	71.9
(1,206)	1:A:108:MET:C	1:A:109:GLY:N	1:A:109:GLY:CA	1:A:109:GLY:C	1	71.7
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	9	71.7
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	15	71.6
(1,247)	2:B:302:SER:C	2:B:303:GLU:N	2:B:303:GLU:CA	2:B:303:GLU:C	9	71.4
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	10	71.4
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	2	71.4
(1,205)	1:A:107:ASP:C	1:A:108:MET:N	1:A:108:MET:CA	1:A:108:MET:C	3	71.3
(1,247)	2:B:302:SER:C	2:B:303:GLU:N	2:B:303:GLU:CA	2:B:303:GLU:C	3	70.9
(1,206)	1:A:108:MET:C	1:A:109:GLY:N	1:A:109:GLY:CA	1:A:109:GLY:C	10	70.6
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	12	70.5
(1,187)	1:A:89:ALA:C	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	10	70.4
(1,255)	2:B:310:GLY:C	2:B:311:PHE:N	2:B:311:PHE:CA	2:B:311:PHE:C	12	70.3
(1,208)	1:A:110:PHE:C	1:A:111:GLY:N	1:A:111:GLY:CA	1:A:111:GLY:C	5	70.3
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	2	70.3
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	19	70.2
(1,255)	2:B:310:GLY:C	2:B:311:PHE:N	2:B:311:PHE:CA	2:B:311:PHE:C	14	69.7
(1,205)	1:A:107:ASP:C	1:A:108:MET:N	1:A:108:MET:CA	1:A:108:MET:C	8	69.6
(1,255)	2:B:310:GLY:C	2:B:311:PHE:N	2:B:311:PHE:CA	2:B:311:PHE:C	15	69.5
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	3	69.0
(1,193)	1:A:95:GLU:C	1:A:96:ALA:N	1:A:96:ALA:CA	1:A:96:ALA:C	7	68.8
(1,255)	2:B:310:GLY:C	2:B:311:PHE:N	2:B:311:PHE:CA	2:B:311:PHE:C	11	68.7
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	3	68.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,208)	1:A:110:PHE:C	1:A:111:GLY:N	1:A:111:GLY:CA	1:A:111:GLY:C	20	68.6
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	18	68.5
(1,205)	1:A:107:ASP:C	1:A:108:MET:N	1:A:108:MET:CA	1:A:108:MET:C	12	68.4
(1,255)	2:B:310:GLY:C	2:B:311:PHE:N	2:B:311:PHE:CA	2:B:311:PHE:C	20	68.2
(1,170)	1:A:71:ALA:C	1:A:72:ALA:N	1:A:72:ALA:CA	1:A:72:ALA:C	16	67.9
(1,200)	1:A:102:GLU:C	1:A:103:GLU:N	1:A:103:GLU:CA	1:A:103:GLU:C	20	67.7
(1,255)	2:B:310:GLY:C	2:B:311:PHE:N	2:B:311:PHE:CA	2:B:311:PHE:C	4	67.6
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	9	67.6
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	7	67.1
(1,187)	1:A:89:ALA:C	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	7	66.9
(1,215)	2:B:268:GLY:C	2:B:269:GLY:N	2:B:269:GLY:CA	2:B:269:GLY:C	9	66.6
(1,200)	1:A:102:GLU:C	1:A:103:GLU:N	1:A:103:GLU:CA	1:A:103:GLU:C	10	66.4
(1,175)	1:A:76:PRO:C	1:A:77:ALA:N	1:A:77:ALA:CA	1:A:77:ALA:C	12	66.4
(1,208)	1:A:110:PHE:C	1:A:111:GLY:N	1:A:111:GLY:CA	1:A:111:GLY:C	6	66.2
(1,200)	1:A:102:GLU:C	1:A:103:GLU:N	1:A:103:GLU:CA	1:A:103:GLU:C	13	66.2
(1,255)	2:B:310:GLY:C	2:B:311:PHE:N	2:B:311:PHE:CA	2:B:311:PHE:C	5	66.0
(1,204)	1:A:106:ASP:C	1:A:107:ASP:N	1:A:107:ASP:CA	1:A:107:ASP:C	17	66.0
(1,194)	1:A:96:ALA:C	1:A:97:LYS:N	1:A:97:LYS:CA	1:A:97:LYS:C	20	65.9
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	14	65.9
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	17	65.7
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	5	65.4
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	4	65.2
(1,170)	1:A:71:ALA:C	1:A:72:ALA:N	1:A:72:ALA:CA	1:A:72:ALA:C	18	65.1
(1,223)	2:B:277:PRO:C	2:B:278:GLY:N	2:B:278:GLY:CA	2:B:278:GLY:C	18	64.9
(1,184)	1:A:85:ALA:C	1:A:86:ALA:N	1:A:86:ALA:CA	1:A:86:ALA:C	19	64.7
(1,192)	1:A:94:VAL:C	1:A:95:GLU:N	1:A:95:GLU:CA	1:A:95:GLU:C	3	64.6
(1,184)	1:A:85:ALA:C	1:A:86:ALA:N	1:A:86:ALA:CA	1:A:86:ALA:C	1	64.6
(1,212)	2:B:264:SER:C	2:B:265:VAL:N	2:B:265:VAL:CA	2:B:265:VAL:C	12	64.4
(1,200)	1:A:102:GLU:C	1:A:103:GLU:N	1:A:103:GLU:CA	1:A:103:GLU:C	7	64.2
(1,200)	1:A:102:GLU:C	1:A:103:GLU:N	1:A:103:GLU:CA	1:A:103:GLU:C	17	64.1
(1,201)	1:A:103:GLU:C	1:A:104:SER:N	1:A:104:SER:CA	1:A:104:SER:C	18	64.0
(1,197)	1:A:99:GLU:C	1:A:100:GLU:N	1:A:100:GLU:CA	1:A:100:GLU:C	13	64.0
(1,195)	1:A:97:LYS:C	1:A:98:LYS:N	1:A:98:LYS:CA	1:A:98:LYS:C	9	64.0
(1,184)	1:A:85:ALA:C	1:A:86:ALA:N	1:A:86:ALA:CA	1:A:86:ALA:C	3	63.8
(1,170)	1:A:71:ALA:C	1:A:72:ALA:N	1:A:72:ALA:CA	1:A:72:ALA:C	6	63.7
(1,170)	1:A:71:ALA:C	1:A:72:ALA:N	1:A:72:ALA:CA	1:A:72:ALA:C	19	63.7
(1,194)	1:A:96:ALA:C	1:A:97:LYS:N	1:A:97:LYS:CA	1:A:97:LYS:C	19	63.4
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	10	63.4
(1,194)	1:A:96:ALA:C	1:A:97:LYS:N	1:A:97:LYS:CA	1:A:97:LYS:C	11	63.2
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	1	63.1
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	18	63.1
(1,184)	1:A:85:ALA:C	1:A:86:ALA:N	1:A:86:ALA:CA	1:A:86:ALA:C	12	63.0
(1,194)	1:A:96:ALA:C	1:A:97:LYS:N	1:A:97:LYS:CA	1:A:97:LYS:C	3	62.8
(1,256)	2:B:311:PHE:C	2:B:312:GLY:N	2:B:312:GLY:CA	2:B:312:GLY:C	2	62.7
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	13	62.7
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	12	62.6
(1,245)	2:B:300:GLU:C	2:B:301:GLU:N	2:B:301:GLU:CA	2:B:301:GLU:C	2	62.6
(1,240)	2:B:295:LYS:C	2:B:296:ASP:N	2:B:296:ASP:CA	2:B:296:ASP:C	7	62.5
(1,242)	2:B:297:GLU:C	2:B:298:LYS:N	2:B:298:LYS:CA	2:B:298:LYS:C	5	62.4
(1,200)	1:A:102:GLU:C	1:A:103:GLU:N	1:A:103:GLU:CA	1:A:103:GLU:C	2	62.4
(1,223)	2:B:277:PRO:C	2:B:278:GLY:N	2:B:278:GLY:CA	2:B:278:GLY:C	16	62.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,184)	1:A:85:ALA:C	1:A:86:ALA:N	1:A:86:ALA:CA	1:A:86:ALA:C	4	62.2
(1,215)	2:B:268:GLY:C	2:B:269:GLY:N	2:B:269:GLY:CA	2:B:269:GLY:C	14	61.6
(1,197)	1:A:99:GLU:C	1:A:100:GLU:N	1:A:100:GLU:CA	1:A:100:GLU:C	18	61.6
(1,194)	1:A:96:ALA:C	1:A:97:LYS:N	1:A:97:LYS:CA	1:A:97:LYS:C	14	61.6
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	14	61.6
(1,184)	1:A:85:ALA:C	1:A:86:ALA:N	1:A:86:ALA:CA	1:A:86:ALA:C	13	61.5
(1,245)	2:B:300:GLU:C	2:B:301:GLU:N	2:B:301:GLU:CA	2:B:301:GLU:C	15	61.4
(1,195)	1:A:97:LYS:C	1:A:98:LYS:N	1:A:98:LYS:CA	1:A:98:LYS:C	7	61.4
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	20	61.4
(1,194)	1:A:96:ALA:C	1:A:97:LYS:N	1:A:97:LYS:CA	1:A:97:LYS:C	6	61.3
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	16	61.1
(1,255)	2:B:310:GLY:C	2:B:311:PHE:N	2:B:311:PHE:CA	2:B:311:PHE:C	9	60.8
(1,183)	1:A:84:THR:C	1:A:85:ALA:N	1:A:85:ALA:CA	1:A:85:ALA:C	3	60.8
(1,244)	2:B:299:LYS:C	2:B:300:GLU:N	2:B:300:GLU:CA	2:B:300:GLU:C	13	60.6
(1,229)	2:B:283:ALA:C	2:B:284:ALA:N	2:B:284:ALA:CA	2:B:284:ALA:C	16	60.3
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	11	60.3
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	8	60.1
(1,256)	2:B:311:PHE:C	2:B:312:GLY:N	2:B:312:GLY:CA	2:B:312:GLY:C	20	60.0
(1,213)	2:B:266:PRO:C	2:B:267:ALA:N	2:B:267:ALA:CA	2:B:267:ALA:C	4	59.9
(1,192)	1:A:94:VAL:C	1:A:95:GLU:N	1:A:95:GLU:CA	1:A:95:GLU:C	4	59.9
(1,206)	1:A:108:MET:C	1:A:109:GLY:N	1:A:109:GLY:CA	1:A:109:GLY:C	15	59.7
(1,163)	1:A:64:GLY:C	1:A:65:ALA:N	1:A:65:ALA:CA	1:A:65:ALA:C	17	59.6
(1,203)	1:A:105:ASP:C	1:A:106:ASP:N	1:A:106:ASP:CA	1:A:106:ASP:C	15	59.1
(1,197)	1:A:99:GLU:C	1:A:100:GLU:N	1:A:100:GLU:CA	1:A:100:GLU:C	15	59.1
(1,234)	2:B:289:ALA:C	2:B:290:ALA:N	2:B:290:ALA:CA	2:B:290:ALA:C	3	59.0
(1,198)	1:A:100:GLU:C	1:A:101:SER:N	1:A:101:SER:CA	1:A:101:SER:C	20	59.0
(1,187)	1:A:89:ALA:C	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	17	59.0
(1,184)	1:A:85:ALA:C	1:A:86:ALA:N	1:A:86:ALA:CA	1:A:86:ALA:C	5	59.0
(1,204)	1:A:106:ASP:C	1:A:107:ASP:N	1:A:107:ASP:CA	1:A:107:ASP:C	16	58.9
(1,253)	2:B:308:ASP:C	2:B:309:MET:N	2:B:309:MET:CA	2:B:309:MET:C	15	58.6
(1,230)	2:B:284:ALA:C	2:B:285:GLY:N	2:B:285:GLY:CA	2:B:285:GLY:C	18	58.5
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	20	58.3
(1,219)	2:B:272:ALA:C	2:B:273:VAL:N	2:B:273:VAL:CA	2:B:273:VAL:C	8	58.1
(1,219)	2:B:272:ALA:C	2:B:273:VAL:N	2:B:273:VAL:CA	2:B:273:VAL:C	16	58.0
(1,175)	1:A:76:PRO:C	1:A:77:ALA:N	1:A:77:ALA:CA	1:A:77:ALA:C	7	58.0
(1,197)	1:A:99:GLU:C	1:A:100:GLU:N	1:A:100:GLU:CA	1:A:100:GLU:C	5	57.8
(1,187)	1:A:89:ALA:C	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	5	57.8
(1,258)	2:B:313:LEU:C	2:B:314:PHE:N	2:B:314:PHE:CA	2:B:314:PHE:C	19	57.7
(1,245)	2:B:300:GLU:C	2:B:301:GLU:N	2:B:301:GLU:CA	2:B:301:GLU:C	1	57.7
(1,218)	2:B:271:VAL:C	2:B:272:ALA:N	2:B:272:ALA:CA	2:B:272:ALA:C	10	57.6
(1,185)	1:A:86:ALA:C	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	20	57.6
(1,175)	1:A:76:PRO:C	1:A:77:ALA:N	1:A:77:ALA:CA	1:A:77:ALA:C	6	57.4
(1,171)	1:A:72:ALA:C	1:A:73:GLY:N	1:A:73:GLY:CA	1:A:73:GLY:C	16	57.3
(1,213)	2:B:266:PRO:C	2:B:267:ALA:N	2:B:267:ALA:CA	2:B:267:ALA:C	15	57.2
(1,195)	1:A:97:LYS:C	1:A:98:LYS:N	1:A:98:LYS:CA	1:A:98:LYS:C	8	57.2
(1,184)	1:A:85:ALA:C	1:A:86:ALA:N	1:A:86:ALA:CA	1:A:86:ALA:C	15	57.1
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	3	57.1
(1,185)	1:A:86:ALA:C	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	18	57.0
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	5	56.8
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	10	56.8
(1,221)	2:B:274:SER:C	2:B:275:ALA:N	2:B:275:ALA:CA	2:B:275:ALA:C	17	56.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,200)	1:A:102:GLU:C	1:A:103:GLU:N	1:A:103:GLU:CA	1:A:103:GLU:C	14	56.3
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	20	56.2
(1,241)	2:B:296:ASP:C	2:B:297:GLU:N	2:B:297:GLU:CA	2:B:297:GLU:C	19	55.9
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	15	55.6
(1,184)	1:A:85:ALA:C	1:A:86:ALA:N	1:A:86:ALA:CA	1:A:86:ALA:C	14	55.3
(1,231)	2:B:285:GLY:C	2:B:286:SER:N	2:B:286:SER:CA	2:B:286:SER:C	13	55.0
(1,184)	1:A:85:ALA:C	1:A:86:ALA:N	1:A:86:ALA:CA	1:A:86:ALA:C	20	55.0
(1,170)	1:A:71:ALA:C	1:A:72:ALA:N	1:A:72:ALA:CA	1:A:72:ALA:C	14	54.8
(1,183)	1:A:84:THR:C	1:A:85:ALA:N	1:A:85:ALA:CA	1:A:85:ALA:C	6	54.1
(1,170)	1:A:71:ALA:C	1:A:72:ALA:N	1:A:72:ALA:CA	1:A:72:ALA:C	15	54.1
(1,198)	1:A:100:GLU:C	1:A:101:SER:N	1:A:101:SER:CA	1:A:101:SER:C	12	54.0
(1,187)	1:A:89:ALA:C	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	16	54.0
(1,197)	1:A:99:GLU:C	1:A:100:GLU:N	1:A:100:GLU:CA	1:A:100:GLU:C	17	53.8
(1,226)	2:B:280:ALA:C	2:B:281:ALA:N	2:B:281:ALA:CA	2:B:281:ALA:C	14	53.7
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	13	53.7
(1,244)	2:B:299:LYS:C	2:B:300:GLU:N	2:B:300:GLU:CA	2:B:300:GLU:C	9	53.6
(1,204)	1:A:106:ASP:C	1:A:107:ASP:N	1:A:107:ASP:CA	1:A:107:ASP:C	14	53.6
(1,171)	1:A:72:ALA:C	1:A:73:GLY:N	1:A:73:GLY:CA	1:A:73:GLY:C	10	53.5
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	2	53.3
(1,193)	1:A:95:GLU:C	1:A:96:ALA:N	1:A:96:ALA:CA	1:A:96:ALA:C	15	53.0
(1,230)	2:B:284:ALA:C	2:B:285:GLY:N	2:B:285:GLY:CA	2:B:285:GLY:C	7	52.9
(1,245)	2:B:300:GLU:C	2:B:301:GLU:N	2:B:301:GLU:CA	2:B:301:GLU:C	6	52.5
(1,245)	2:B:300:GLU:C	2:B:301:GLU:N	2:B:301:GLU:CA	2:B:301:GLU:C	18	52.5
(1,208)	1:A:110:PHE:C	1:A:111:GLY:N	1:A:111:GLY:CA	1:A:111:GLY:C	8	52.5
(1,201)	1:A:103:GLU:C	1:A:104:SER:N	1:A:104:SER:CA	1:A:104:SER:C	12	52.5
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	11	52.5
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	20	52.5
(1,224)	2:B:278:GLY:C	2:B:279:SER:N	2:B:279:SER:CA	2:B:279:SER:C	16	52.2
(1,203)	1:A:105:ASP:C	1:A:106:ASP:N	1:A:106:ASP:CA	1:A:106:ASP:C	3	52.2
(1,170)	1:A:71:ALA:C	1:A:72:ALA:N	1:A:72:ALA:CA	1:A:72:ALA:C	20	52.0
(1,202)	1:A:104:SER:C	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	18	51.8
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	14	51.7
(1,215)	2:B:268:GLY:C	2:B:269:GLY:N	2:B:269:GLY:CA	2:B:269:GLY:C	15	51.6
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	16	51.4
(1,224)	2:B:278:GLY:C	2:B:279:SER:N	2:B:279:SER:CA	2:B:279:SER:C	19	51.3
(1,203)	1:A:105:ASP:C	1:A:106:ASP:N	1:A:106:ASP:CA	1:A:106:ASP:C	20	51.1
(1,202)	1:A:104:SER:C	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	20	50.9
(1,183)	1:A:84:THR:C	1:A:85:ALA:N	1:A:85:ALA:CA	1:A:85:ALA:C	4	50.9
(1,203)	1:A:105:ASP:C	1:A:106:ASP:N	1:A:106:ASP:CA	1:A:106:ASP:C	4	50.6
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	2	50.6
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	4	50.6
(1,232)	2:B:286:SER:C	2:B:287:ALA:N	2:B:287:ALA:CA	2:B:287:ALA:C	1	50.3
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	7	50.2
(1,249)	2:B:304:GLU:C	2:B:305:SER:N	2:B:305:SER:CA	2:B:305:SER:C	17	50.1
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	6	50.0
(1,204)	1:A:106:ASP:C	1:A:107:ASP:N	1:A:107:ASP:CA	1:A:107:ASP:C	1	49.9
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	17	49.8
(1,208)	1:A:110:PHE:C	1:A:111:GLY:N	1:A:111:GLY:CA	1:A:111:GLY:C	9	49.6
(1,204)	1:A:106:ASP:C	1:A:107:ASP:N	1:A:107:ASP:CA	1:A:107:ASP:C	7	49.6
(1,221)	2:B:274:SER:C	2:B:275:ALA:N	2:B:275:ALA:CA	2:B:275:ALA:C	18	49.5
(1,181)	1:A:82:PRO:C	1:A:83:SER:N	1:A:83:SER:CA	1:A:83:SER:C	15	49.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,249)	2:B:304:GLU:C	2:B:305:SER:N	2:B:305:SER:CA	2:B:305:SER:C	20	49.3
(1,224)	2:B:278:GLY:C	2:B:279:SER:N	2:B:279:SER:CA	2:B:279:SER:C	12	49.3
(1,202)	1:A:104:SER:C	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	17	49.3
(1,185)	1:A:86:ALA:C	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	3	49.2
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	12	49.1
(1,182)	1:A:83:SER:C	1:A:84:THR:N	1:A:84:THR:CA	1:A:84:THR:C	9	49.0
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	14	48.9
(1,218)	2:B:271:VAL:C	2:B:272:ALA:N	2:B:272:ALA:CA	2:B:272:ALA:C	14	48.9
(1,172)	1:A:73:GLY:C	1:A:74:ALA:N	1:A:74:ALA:CA	1:A:74:ALA:C	12	48.9
(1,182)	1:A:83:SER:C	1:A:84:THR:N	1:A:84:THR:CA	1:A:84:THR:C	13	48.5
(1,213)	2:B:266:PRO:C	2:B:267:ALA:N	2:B:267:ALA:CA	2:B:267:ALA:C	18	48.4
(1,206)	1:A:108:MET:C	1:A:109:GLY:N	1:A:109:GLY:CA	1:A:109:GLY:C	2	48.4
(1,244)	2:B:299:LYS:C	2:B:300:GLU:N	2:B:300:GLU:CA	2:B:300:GLU:C	4	48.3
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	18	48.1
(1,180)	1:A:81:ALA:C	1:A:82:PRO:N	1:A:82:PRO:CA	1:A:82:PRO:C	17	48.0
(1,162)	1:A:63:VAL:C	1:A:64:GLY:N	1:A:64:GLY:CA	1:A:64:GLY:C	3	47.9
(1,241)	2:B:296:ASP:C	2:B:297:GLU:N	2:B:297:GLU:CA	2:B:297:GLU:C	11	47.7
(1,187)	1:A:89:ALA:C	1:A:90:GLU:N	1:A:90:GLU:CA	1:A:90:GLU:C	2	47.7
(1,245)	2:B:300:GLU:C	2:B:301:GLU:N	2:B:301:GLU:CA	2:B:301:GLU:C	4	47.6
(1,244)	2:B:299:LYS:C	2:B:300:GLU:N	2:B:300:GLU:CA	2:B:300:GLU:C	12	47.5
(1,182)	1:A:83:SER:C	1:A:84:THR:N	1:A:84:THR:CA	1:A:84:THR:C	2	47.5
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	7	47.4
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	4	47.3
(1,183)	1:A:84:THR:C	1:A:85:ALA:N	1:A:85:ALA:CA	1:A:85:ALA:C	16	47.2
(1,253)	2:B:308:ASP:C	2:B:309:MET:N	2:B:309:MET:CA	2:B:309:MET:C	5	47.0
(1,249)	2:B:304:GLU:C	2:B:305:SER:N	2:B:305:SER:CA	2:B:305:SER:C	15	46.9
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	11	46.9
(1,163)	1:A:64:GLY:C	1:A:65:ALA:N	1:A:65:ALA:CA	1:A:65:ALA:C	6	46.8
(1,213)	2:B:266:PRO:C	2:B:267:ALA:N	2:B:267:ALA:CA	2:B:267:ALA:C	6	46.7
(1,185)	1:A:86:ALA:C	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	11	46.7
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	6	46.5
(1,245)	2:B:300:GLU:C	2:B:301:GLU:N	2:B:301:GLU:CA	2:B:301:GLU:C	20	46.4
(1,204)	1:A:106:ASP:C	1:A:107:ASP:N	1:A:107:ASP:CA	1:A:107:ASP:C	5	46.4
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	20	46.2
(1,221)	2:B:274:SER:C	2:B:275:ALA:N	2:B:275:ALA:CA	2:B:275:ALA:C	19	46.2
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	14	46.1
(1,202)	1:A:104:SER:C	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	7	45.9
(1,175)	1:A:76:PRO:C	1:A:77:ALA:N	1:A:77:ALA:CA	1:A:77:ALA:C	3	45.9
(1,201)	1:A:103:GLU:C	1:A:104:SER:N	1:A:104:SER:CA	1:A:104:SER:C	10	45.8
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	1	45.7
(1,204)	1:A:106:ASP:C	1:A:107:ASP:N	1:A:107:ASP:CA	1:A:107:ASP:C	8	45.6
(1,253)	2:B:308:ASP:C	2:B:309:MET:N	2:B:309:MET:CA	2:B:309:MET:C	12	45.5
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	8	45.5
(1,192)	1:A:94:VAL:C	1:A:95:GLU:N	1:A:95:GLU:CA	1:A:95:GLU:C	12	45.5
(1,241)	2:B:296:ASP:C	2:B:297:GLU:N	2:B:297:GLU:CA	2:B:297:GLU:C	17	45.4
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	10	45.1
(1,220)	2:B:273:VAL:C	2:B:274:SER:N	2:B:274:SER:CA	2:B:274:SER:C	5	45.1
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	3	45.0
(1,231)	2:B:285:GLY:C	2:B:286:SER:N	2:B:286:SER:CA	2:B:286:SER:C	9	44.9
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	12	44.9
(1,162)	1:A:63:VAL:C	1:A:64:GLY:N	1:A:64:GLY:CA	1:A:64:GLY:C	11	44.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,185)	1:A:86:ALA:C	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	5	44.8
(1,242)	2:B:297:GLU:C	2:B:298:LYS:N	2:B:298:LYS:CA	2:B:298:LYS:C	18	44.6
(1,192)	1:A:94:VAL:C	1:A:95:GLU:N	1:A:95:GLU:CA	1:A:95:GLU:C	18	44.6
(1,245)	2:B:300:GLU:C	2:B:301:GLU:N	2:B:301:GLU:CA	2:B:301:GLU:C	13	44.2
(1,188)	1:A:90:GLU:C	1:A:91:GLU:N	1:A:91:GLU:CA	1:A:91:GLU:C	17	43.6
(1,202)	1:A:104:SER:C	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	11	43.4
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	10	43.3
(1,175)	1:A:76:PRO:C	1:A:77:ALA:N	1:A:77:ALA:CA	1:A:77:ALA:C	17	43.3
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	3	43.1
(1,248)	2:B:303:GLU:C	2:B:304:GLU:N	2:B:304:GLU:CA	2:B:304:GLU:C	17	42.9
(1,245)	2:B:300:GLU:C	2:B:301:GLU:N	2:B:301:GLU:CA	2:B:301:GLU:C	3	42.7
(1,248)	2:B:303:GLU:C	2:B:304:GLU:N	2:B:304:GLU:CA	2:B:304:GLU:C	4	42.3
(1,181)	1:A:82:PRO:C	1:A:83:SER:N	1:A:83:SER:CA	1:A:83:SER:C	18	41.9
(1,213)	2:B:266:PRO:C	2:B:267:ALA:N	2:B:267:ALA:CA	2:B:267:ALA:C	5	41.1
(1,205)	1:A:107:ASP:C	1:A:108:MET:N	1:A:108:MET:CA	1:A:108:MET:C	11	40.9
(1,231)	2:B:285:GLY:C	2:B:286:SER:N	2:B:286:SER:CA	2:B:286:SER:C	10	40.7
(1,219)	2:B:272:ALA:C	2:B:273:VAL:N	2:B:273:VAL:CA	2:B:273:VAL:C	1	40.7
(1,228)	2:B:282:PRO:C	2:B:283:ALA:N	2:B:283:ALA:CA	2:B:283:ALA:C	14	40.6
(1,217)	2:B:270:ALA:C	2:B:271:VAL:N	2:B:271:VAL:CA	2:B:271:VAL:C	1	40.6
(1,216)	2:B:269:GLY:C	2:B:270:ALA:N	2:B:270:ALA:CA	2:B:270:ALA:C	3	40.5
(1,181)	1:A:82:PRO:C	1:A:83:SER:N	1:A:83:SER:CA	1:A:83:SER:C	3	40.5
(1,249)	2:B:304:GLU:C	2:B:305:SER:N	2:B:305:SER:CA	2:B:305:SER:C	11	40.4
(1,175)	1:A:76:PRO:C	1:A:77:ALA:N	1:A:77:ALA:CA	1:A:77:ALA:C	10	40.4
(1,221)	2:B:274:SER:C	2:B:275:ALA:N	2:B:275:ALA:CA	2:B:275:ALA:C	14	40.3
(1,213)	2:B:266:PRO:C	2:B:267:ALA:N	2:B:267:ALA:CA	2:B:267:ALA:C	7	40.1
(1,228)	2:B:282:PRO:C	2:B:283:ALA:N	2:B:283:ALA:CA	2:B:283:ALA:C	7	39.4
(1,185)	1:A:86:ALA:C	1:A:87:ALA:N	1:A:87:ALA:CA	1:A:87:ALA:C	12	39.4
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	5	39.2
(1,216)	2:B:269:GLY:C	2:B:270:ALA:N	2:B:270:ALA:CA	2:B:270:ALA:C	19	39.0
(1,200)	1:A:102:GLU:C	1:A:103:GLU:N	1:A:103:GLU:CA	1:A:103:GLU:C	16	38.8
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	18	38.8
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	10	38.6
(1,172)	1:A:73:GLY:C	1:A:74:ALA:N	1:A:74:ALA:CA	1:A:74:ALA:C	15	38.4
(1,200)	1:A:102:GLU:C	1:A:103:GLU:N	1:A:103:GLU:CA	1:A:103:GLU:C	9	37.9
(1,258)	2:B:313:LEU:C	2:B:314:PHE:N	2:B:314:PHE:CA	2:B:314:PHE:C	4	37.8
(1,181)	1:A:82:PRO:C	1:A:83:SER:N	1:A:83:SER:CA	1:A:83:SER:C	6	37.3
(1,181)	1:A:82:PRO:C	1:A:83:SER:N	1:A:83:SER:CA	1:A:83:SER:C	20	37.0
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	18	36.9
(1,248)	2:B:303:GLU:C	2:B:304:GLU:N	2:B:304:GLU:CA	2:B:304:GLU:C	15	36.6
(1,257)	2:B:312:GLY:C	2:B:313:LEU:N	2:B:313:LEU:CA	2:B:313:LEU:C	20	36.5
(1,213)	2:B:266:PRO:C	2:B:267:ALA:N	2:B:267:ALA:CA	2:B:267:ALA:C	20	36.5
(1,181)	1:A:82:PRO:C	1:A:83:SER:N	1:A:83:SER:CA	1:A:83:SER:C	17	36.5
(1,225)	2:B:279:SER:C	2:B:280:ALA:N	2:B:280:ALA:CA	2:B:280:ALA:C	19	36.4
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	10	36.4
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	20	36.1
(1,228)	2:B:282:PRO:C	2:B:283:ALA:N	2:B:283:ALA:CA	2:B:283:ALA:C	2	36.0
(1,254)	2:B:309:MET:C	2:B:310:GLY:N	2:B:310:GLY:CA	2:B:310:GLY:C	7	35.9
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	9	35.3
(1,256)	2:B:311:PHE:C	2:B:312:GLY:N	2:B:312:GLY:CA	2:B:312:GLY:C	7	35.1
(1,216)	2:B:269:GLY:C	2:B:270:ALA:N	2:B:270:ALA:CA	2:B:270:ALA:C	1	34.5
(1,202)	1:A:104:SER:C	1:A:105:ASP:N	1:A:105:ASP:CA	1:A:105:ASP:C	15	34.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,213)	2:B:266:PRO:C	2:B:267:ALA:N	2:B:267:ALA:CA	2:B:267:ALA:C	16	34.0
(1,236)	2:B:291:ALA:C	2:B:292:GLU:N	2:B:292:GLU:CA	2:B:292:GLU:C	3	33.7
(1,231)	2:B:285:GLY:C	2:B:286:SER:N	2:B:286:SER:CA	2:B:286:SER:C	3	33.2
(1,216)	2:B:269:GLY:C	2:B:270:ALA:N	2:B:270:ALA:CA	2:B:270:ALA:C	20	33.1
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	15	33.1
(1,181)	1:A:82:PRO:C	1:A:83:SER:N	1:A:83:SER:CA	1:A:83:SER:C	7	33.1
(1,236)	2:B:291:ALA:C	2:B:292:GLU:N	2:B:292:GLU:CA	2:B:292:GLU:C	7	32.5
(1,236)	2:B:291:ALA:C	2:B:292:GLU:N	2:B:292:GLU:CA	2:B:292:GLU:C	19	31.3
(1,181)	1:A:82:PRO:C	1:A:83:SER:N	1:A:83:SER:CA	1:A:83:SER:C	5	31.1
(1,182)	1:A:83:SER:C	1:A:84:THR:N	1:A:84:THR:CA	1:A:84:THR:C	8	30.9
(1,209)	1:A:111:GLY:C	1:A:112:LEU:N	1:A:112:LEU:CA	1:A:112:LEU:C	14	30.6
(1,230)	2:B:284:ALA:C	2:B:285:GLY:N	2:B:285:GLY:CA	2:B:285:GLY:C	8	30.4
(1,182)	1:A:83:SER:C	1:A:84:THR:N	1:A:84:THR:CA	1:A:84:THR:C	1	30.4
(1,231)	2:B:285:GLY:C	2:B:286:SER:N	2:B:286:SER:CA	2:B:286:SER:C	2	30.3
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	2	30.2
(1,213)	2:B:266:PRO:C	2:B:267:ALA:N	2:B:267:ALA:CA	2:B:267:ALA:C	14	28.9
(1,182)	1:A:83:SER:C	1:A:84:THR:N	1:A:84:THR:CA	1:A:84:THR:C	18	28.5
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	6	28.3
(1,236)	2:B:291:ALA:C	2:B:292:GLU:N	2:B:292:GLU:CA	2:B:292:GLU:C	2	28.2
(1,228)	2:B:282:PRO:C	2:B:283:ALA:N	2:B:283:ALA:CA	2:B:283:ALA:C	17	28.2
(1,220)	2:B:273:VAL:C	2:B:274:SER:N	2:B:274:SER:CA	2:B:274:SER:C	9	28.0
(1,216)	2:B:269:GLY:C	2:B:270:ALA:N	2:B:270:ALA:CA	2:B:270:ALA:C	9	27.5
(1,256)	2:B:311:PHE:C	2:B:312:GLY:N	2:B:312:GLY:CA	2:B:312:GLY:C	15	27.4
(1,236)	2:B:291:ALA:C	2:B:292:GLU:N	2:B:292:GLU:CA	2:B:292:GLU:C	20	27.3
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	3	25.9
(1,257)	2:B:312:GLY:C	2:B:313:LEU:N	2:B:313:LEU:CA	2:B:313:LEU:C	12	25.8
(1,223)	2:B:277:PRO:C	2:B:278:GLY:N	2:B:278:GLY:CA	2:B:278:GLY:C	4	25.6
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	20	25.3
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	11	25.2
(1,228)	2:B:282:PRO:C	2:B:283:ALA:N	2:B:283:ALA:CA	2:B:283:ALA:C	4	24.4
(1,236)	2:B:291:ALA:C	2:B:292:GLU:N	2:B:292:GLU:CA	2:B:292:GLU:C	17	23.2
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	19	22.8
(1,164)	1:A:65:ALA:C	1:A:66:GLY:N	1:A:66:GLY:CA	1:A:66:GLY:C	19	22.6
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	16	22.5
(1,236)	2:B:291:ALA:C	2:B:292:GLU:N	2:B:292:GLU:CA	2:B:292:GLU:C	15	21.6
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	13	21.0
(1,230)	2:B:284:ALA:C	2:B:285:GLY:N	2:B:285:GLY:CA	2:B:285:GLY:C	1	20.6
(1,257)	2:B:312:GLY:C	2:B:313:LEU:N	2:B:313:LEU:CA	2:B:313:LEU:C	2	19.7
(1,209)	1:A:111:GLY:C	1:A:112:LEU:N	1:A:112:LEU:CA	1:A:112:LEU:C	10	18.2
(1,230)	2:B:284:ALA:C	2:B:285:GLY:N	2:B:285:GLY:CA	2:B:285:GLY:C	16	17.9
(1,211)	2:B:263:ALA:C	2:B:264:SER:N	2:B:264:SER:CA	2:B:264:SER:C	1	17.9
(1,257)	2:B:312:GLY:C	2:B:313:LEU:N	2:B:313:LEU:CA	2:B:313:LEU:C	3	17.6
(1,223)	2:B:277:PRO:C	2:B:278:GLY:N	2:B:278:GLY:CA	2:B:278:GLY:C	12	17.4
(1,206)	1:A:108:MET:C	1:A:109:GLY:N	1:A:109:GLY:CA	1:A:109:GLY:C	5	17.0
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	13	16.5
(1,257)	2:B:312:GLY:C	2:B:313:LEU:N	2:B:313:LEU:CA	2:B:313:LEU:C	5	15.8
(1,230)	2:B:284:ALA:C	2:B:285:GLY:N	2:B:285:GLY:CA	2:B:285:GLY:C	10	14.2
(1,238)	2:B:293:GLU:C	2:B:294:LYS:N	2:B:294:LYS:CA	2:B:294:LYS:C	12	13.2
(1,171)	1:A:72:ALA:C	1:A:73:GLY:N	1:A:73:GLY:CA	1:A:73:GLY:C	18	11.8
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	6	11.0
(1,230)	2:B:284:ALA:C	2:B:285:GLY:N	2:B:285:GLY:CA	2:B:285:GLY:C	15	10.8

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,177)	1:A:78:GLY:C	1:A:79:GLY:N	1:A:79:GLY:CA	1:A:79:GLY:C	10	10.7
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	18	10.4
(1,208)	1:A:110:PHE:C	1:A:111:GLY:N	1:A:111:GLY:CA	1:A:111:GLY:C	2	10.1
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	19	10.1
(1,256)	2:B:311:PHE:C	2:B:312:GLY:N	2:B:312:GLY:CA	2:B:312:GLY:C	1	9.9
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	2	9.9
(1,189)	1:A:91:GLU:C	1:A:92:LYS:N	1:A:92:LYS:CA	1:A:92:LYS:C	6	9.7
(1,230)	2:B:284:ALA:C	2:B:285:GLY:N	2:B:285:GLY:CA	2:B:285:GLY:C	17	9.2
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	17	8.8
(1,171)	1:A:72:ALA:C	1:A:73:GLY:N	1:A:73:GLY:CA	1:A:73:GLY:C	4	8.5
(1,238)	2:B:293:GLU:C	2:B:294:LYS:N	2:B:294:LYS:CA	2:B:294:LYS:C	16	7.1
(1,214)	2:B:267:ALA:C	2:B:268:GLY:N	2:B:268:GLY:CA	2:B:268:GLY:C	7	6.6
(1,71)	1:A:55:ASN:C	1:A:56:ILE:N	1:A:56:ILE:CA	1:A:56:ILE:C	11	4.8
(1,186)	1:A:88:PRO:C	1:A:89:ALA:N	1:A:89:ALA:CA	1:A:89:ALA:C	14	4.6
(1,155)	2:B:257:GLN:C	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	19	4.6
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	4	4.5
(1,156)	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	2:B:259:ILE:N	7	4.4
(1,155)	2:B:257:GLN:C	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	10	4.4
(1,238)	2:B:293:GLU:C	2:B:294:LYS:N	2:B:294:LYS:CA	2:B:294:LYS:C	20	4.3
(1,155)	2:B:257:GLN:C	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	11	4.3
(1,71)	1:A:55:ASN:C	1:A:56:ILE:N	1:A:56:ILE:CA	1:A:56:ILE:C	19	4.1
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	15	3.9
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	17	3.6
(1,70)	1:A:54:VAL:C	1:A:55:ASN:N	1:A:55:ASN:CA	1:A:55:ASN:C	1	3.5
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	10	3.3
(1,71)	1:A:55:ASN:C	1:A:56:ILE:N	1:A:56:ILE:CA	1:A:56:ILE:C	9	3.2
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	18	3.2
(1,155)	2:B:257:GLN:C	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	6	3.2
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	14	3.0
(1,196)	1:A:98:LYS:C	1:A:99:GLU:N	1:A:99:GLU:CA	1:A:99:GLU:C	13	2.9
(1,156)	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	2:B:259:ILE:N	15	2.8
(1,69)	1:A:52:ALA:C	1:A:53:ASN:N	1:A:53:ASN:CA	1:A:53:ASN:C	13	2.7
(1,223)	2:B:277:PRO:C	2:B:278:GLY:N	2:B:278:GLY:CA	2:B:278:GLY:C	10	2.7
(1,155)	2:B:257:GLN:C	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	17	2.7
(1,69)	1:A:52:ALA:C	1:A:53:ASN:N	1:A:53:ASN:CA	1:A:53:ASN:C	15	2.6
(1,156)	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	2:B:259:ILE:N	2	2.6
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	3	2.5
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	5	2.4
(1,156)	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	2:B:259:ILE:N	9	2.4
(1,68)	1:A:52:ALA:N	1:A:52:ALA:CA	1:A:52:ALA:C	1:A:53:ASN:N	4	2.3
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	7	2.3
(1,154)	2:B:257:GLN:N	2:B:257:GLN:CA	2:B:257:GLN:C	2:B:258:GLY:N	3	2.3
(1,68)	1:A:52:ALA:N	1:A:52:ALA:CA	1:A:52:ALA:C	1:A:53:ASN:N	14	2.2
(1,154)	2:B:257:GLN:N	2:B:257:GLN:CA	2:B:257:GLN:C	2:B:258:GLY:N	20	2.2
(1,176)	1:A:77:ALA:C	1:A:78:GLY:N	1:A:78:GLY:CA	1:A:78:GLY:C	11	2.1
(1,69)	1:A:52:ALA:C	1:A:53:ASN:N	1:A:53:ASN:CA	1:A:53:ASN:C	12	2.0
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	6	2.0
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	8	1.9
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	16	1.8
(1,69)	1:A:52:ALA:C	1:A:53:ASN:N	1:A:53:ASN:CA	1:A:53:ASN:C	7	1.7
(1,68)	1:A:52:ALA:N	1:A:52:ALA:CA	1:A:52:ALA:C	1:A:53:ASN:N	18	1.7

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,66)	1:A:51:LEU:N	1:A:51:LEU:CA	1:A:51:LEU:C	1:A:52:ALA:N	9	1.7
(1,177)	1:A:78:GLY:C	1:A:79:GLY:N	1:A:79:GLY:CA	1:A:79:GLY:C	7	1.7
(1,156)	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	2:B:259:ILE:N	6	1.7
(1,154)	2:B:257:GLN:N	2:B:257:GLN:CA	2:B:257:GLN:C	2:B:258:GLY:N	9	1.7
(1,69)	1:A:52:ALA:C	1:A:53:ASN:N	1:A:53:ASN:CA	1:A:53:ASN:C	2	1.6
(1,68)	1:A:52:ALA:N	1:A:52:ALA:CA	1:A:52:ALA:C	1:A:53:ASN:N	1	1.6
(1,68)	1:A:52:ALA:N	1:A:52:ALA:CA	1:A:52:ALA:C	1:A:53:ASN:N	7	1.6
(1,171)	1:A:72:ALA:C	1:A:73:GLY:N	1:A:73:GLY:CA	1:A:73:GLY:C	13	1.5
(1,119)	2:B:232:ILE:C	2:B:233:GLU:N	2:B:233:GLU:CA	2:B:233:GLU:C	2	1.5
(1,68)	1:A:52:ALA:N	1:A:52:ALA:CA	1:A:52:ALA:C	1:A:53:ASN:N	17	1.4
(1,165)	1:A:66:GLY:C	1:A:67:GLY:N	1:A:67:GLY:CA	1:A:67:GLY:C	17	1.4
(1,156)	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	2:B:259:ILE:N	1	1.4
(1,156)	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	2:B:259:ILE:N	14	1.4
(1,155)	2:B:257:GLN:C	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	7	1.3
(1,157)	2:B:258:GLY:C	2:B:259:ILE:N	2:B:259:ILE:CA	2:B:259:ILE:C	14	1.2
(1,156)	2:B:258:GLY:N	2:B:258:GLY:CA	2:B:258:GLY:C	2:B:259:ILE:N	3	1.2
(1,119)	2:B:232:ILE:C	2:B:233:GLU:N	2:B:233:GLU:CA	2:B:233:GLU:C	16	1.2
(1,69)	1:A:52:ALA:C	1:A:53:ASN:N	1:A:53:ASN:CA	1:A:53:ASN:C	19	1.1
(1,68)	1:A:52:ALA:N	1:A:52:ALA:CA	1:A:52:ALA:C	1:A:53:ASN:N	10	1.1
(1,22)	1:A:13:ALA:C	1:A:14:LEU:N	1:A:14:LEU:CA	1:A:14:LEU:C	16	1.1