



# Full wwPDB NMR Structure Validation Report ⓘ

Jun 6, 2023 – 07:46 pm BST

PDB ID : 6TAZ  
BMRB ID : 34443  
Title : Timeless couples G quadruplex detection with processing by DDX11 during DNA replication  
Authors : Lerner Koch, L.; Holzer, S.; Kilkenny, M.L.; Murat, P.; Svikovic, S.; Schiavone, D.; Bittleston, A.; Maman, J.D.; Branzei, D.; Stott, K.; Pellegrini, L.; Sale, E.J.  
Deposited on : 2019-10-31

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

We welcome your comments at [validation@mail.wwpdb.org](mailto: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>.

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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

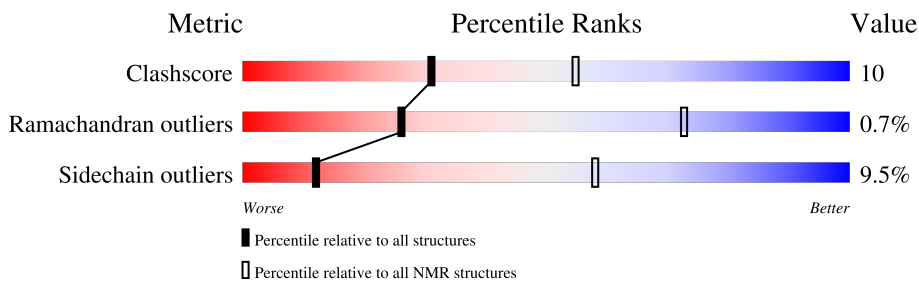
# 1 Overall quality at a glance i

The following experimental techniques were used to determine the structure:

*SOLUTION NMR*

The overall completeness of chemical shifts assignment is 91%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	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  $\geq 3$ , 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	B	141	

## 2 Ensemble composition and analysis i

This entry contains 20 models. Model 15 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	B:9-B:66 (58)	0.62	15
2	B:74-B:131 (58)	0.67	4

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

### 3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 2338 atoms, of which 1187 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein timeless homolog.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	B	141	2338	720	1187	218	211	2	0

There are 2 discrepancies between the modelled and reference sequences:

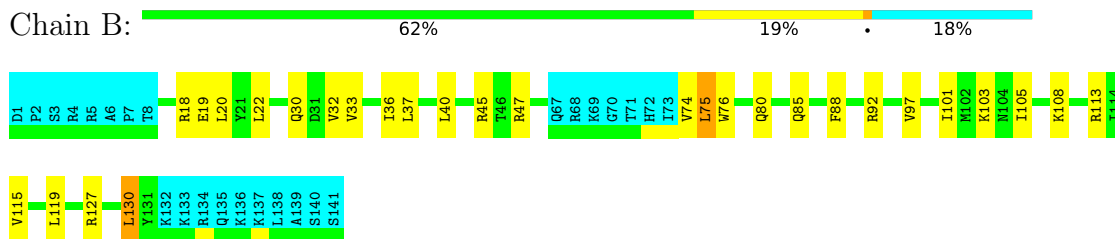
Chain	Residue	Modelled	Actual	Comment	Reference
B	1	ASP	-	expression tag	UNP Q9UNS1
B	2	PRO	-	expression tag	UNP Q9UNS1

## 4 Residue-property plots [i](#)

### 4.1 Average score per residue in the NMR ensemble

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

- Molecule 1: Protein timeless homolog



### 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

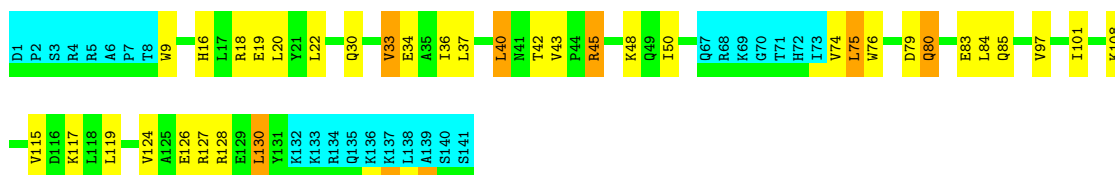
- Molecule 1: Protein timeless homolog



#### 4.2.2 Score per residue for model 2

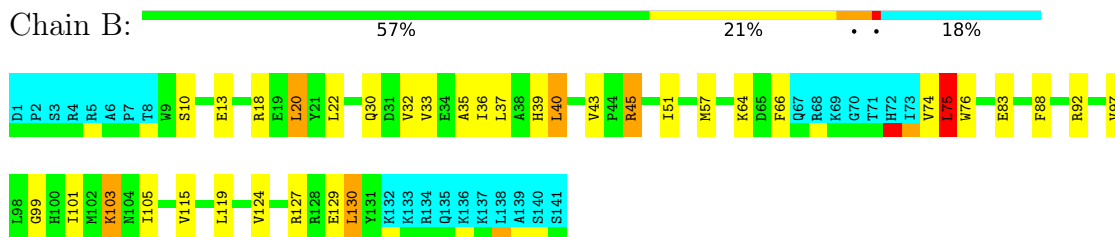
- Molecule 1: Protein timeless homolog





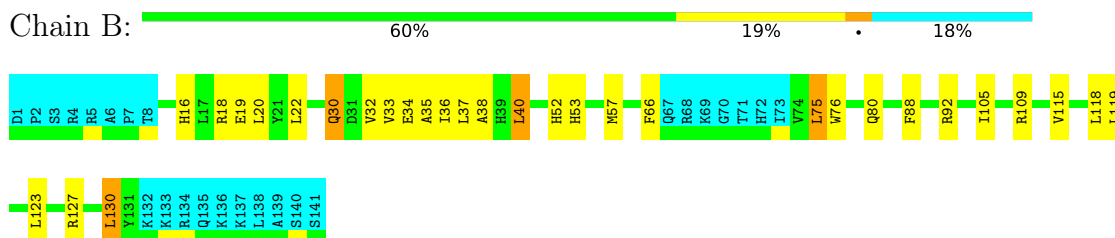
#### 4.2.3 Score per residue for model 3

- Molecule 1: Protein timeless homolog



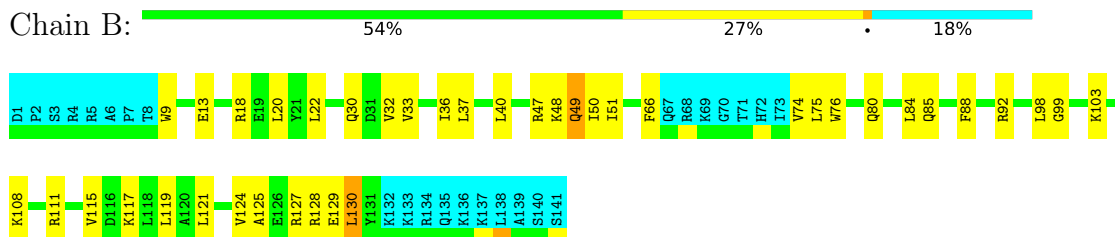
#### 4.2.4 Score per residue for model 4

- Molecule 1: Protein timeless homolog



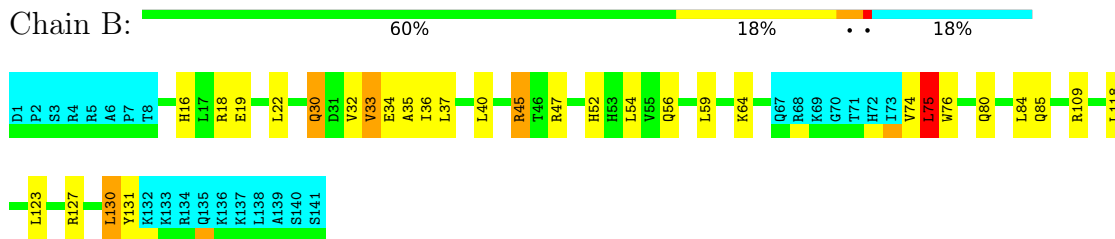
#### 4.2.5 Score per residue for model 5

- Molecule 1: Protein timeless homolog



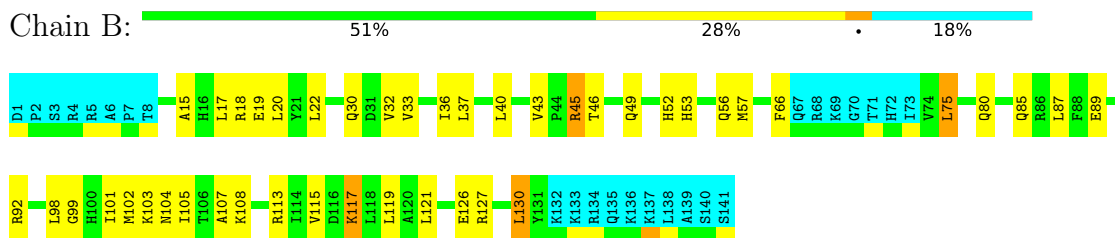
#### 4.2.6 Score per residue for model 6

- Molecule 1: Protein timeless homolog



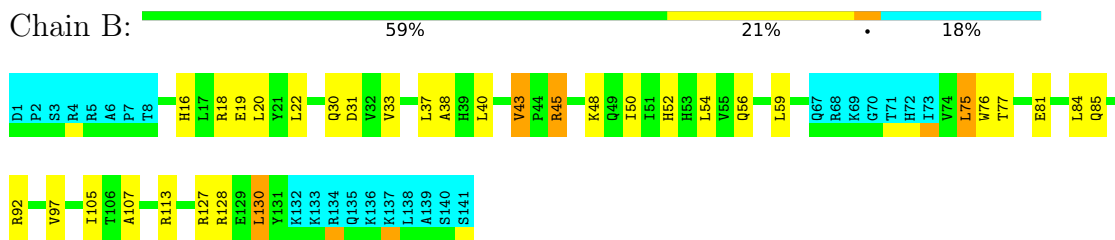
#### 4.2.7 Score per residue for model 7

- Molecule 1: Protein timeless homolog



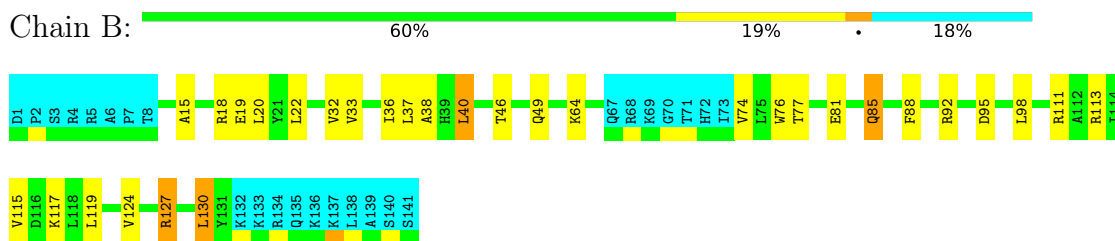
#### 4.2.8 Score per residue for model 8

- Molecule 1: Protein timeless homolog



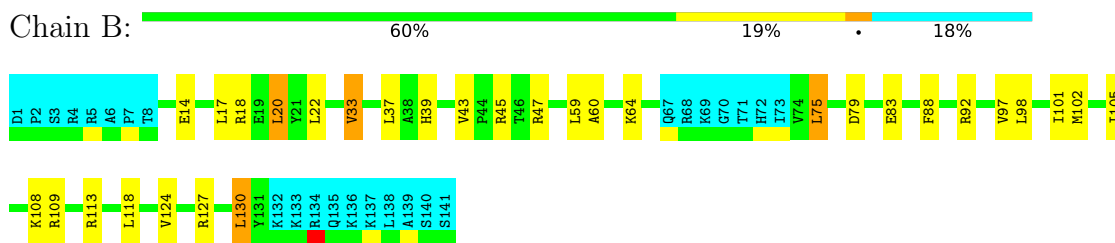
#### 4.2.9 Score per residue for model 9

- Molecule 1: Protein timeless homolog



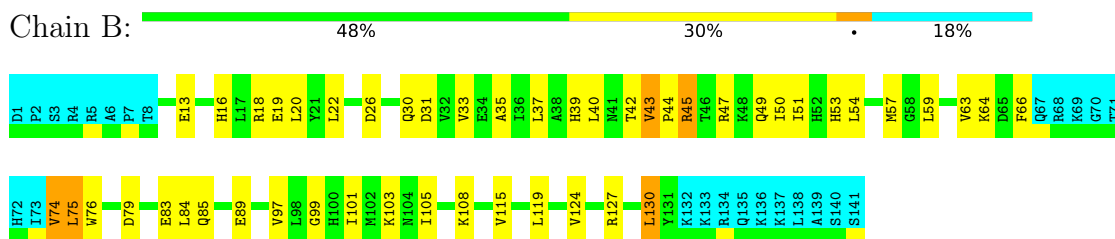
#### 4.2.10 Score per residue for model 10

- Molecule 1: Protein timeless homolog



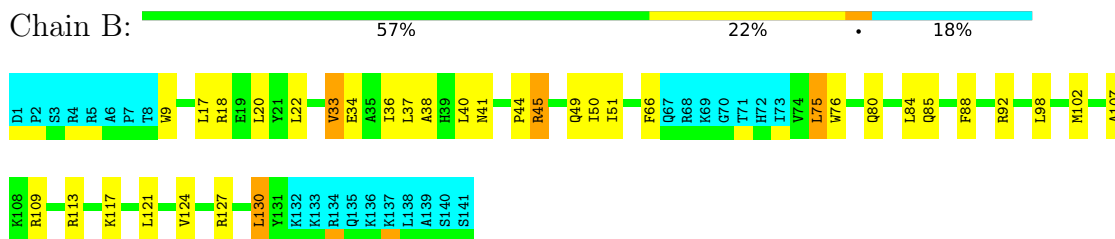
#### 4.2.11 Score per residue for model 11

- Molecule 1: Protein timeless homolog



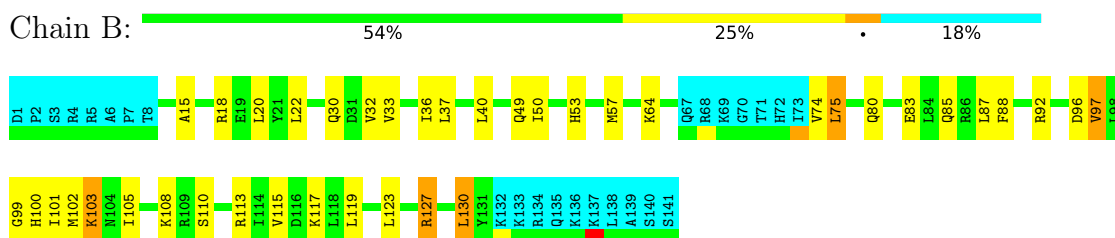
#### 4.2.12 Score per residue for model 12

- Molecule 1: Protein timeless homolog



#### 4.2.13 Score per residue for model 13

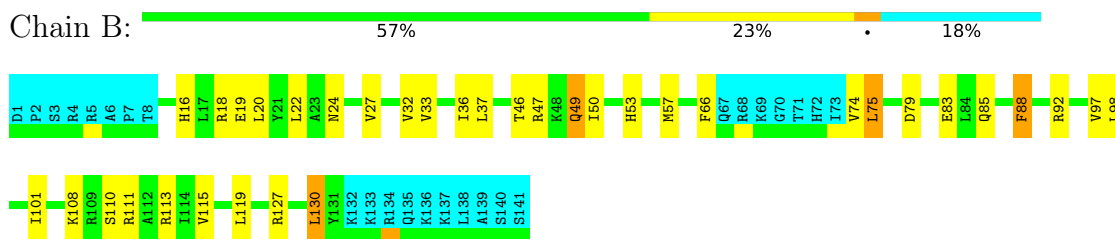
- Molecule 1: Protein timeless homolog





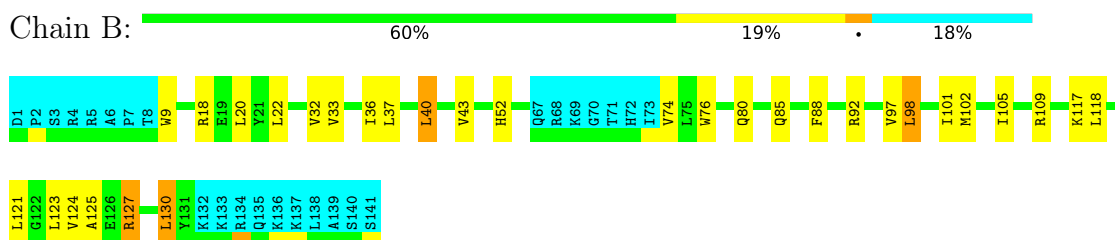
#### 4.2.14 Score per residue for model 14

- Molecule 1: Protein timeless homolog



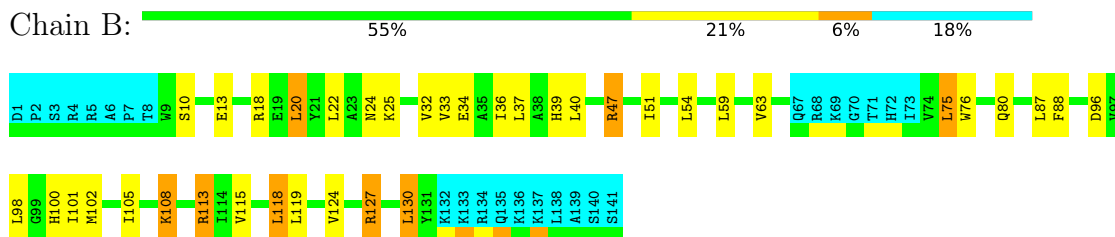
#### 4.2.15 Score per residue for model 15 (medoid)

- Molecule 1: Protein timeless homolog



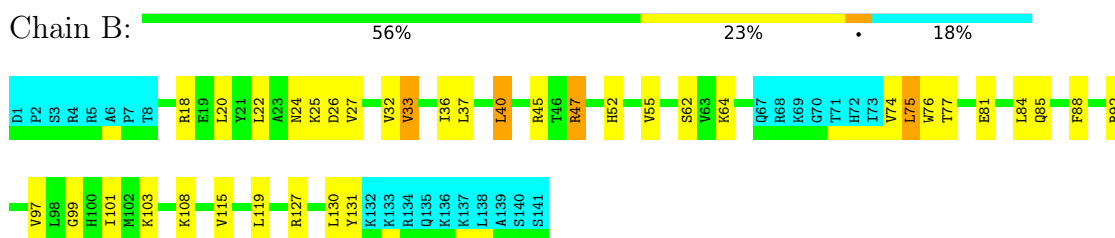
#### 4.2.16 Score per residue for model 16

- Molecule 1: Protein timeless homolog



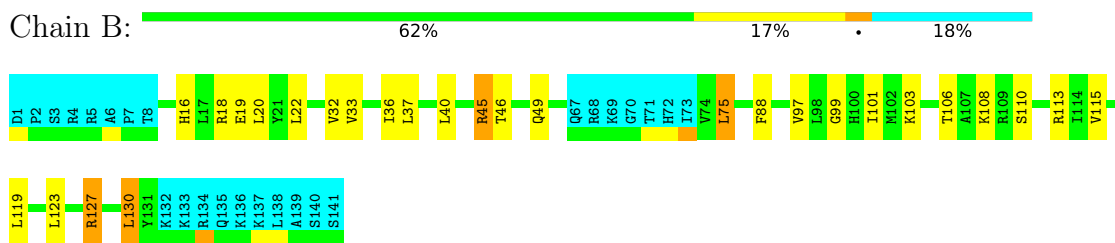
#### 4.2.17 Score per residue for model 17

- Molecule 1: Protein timeless homolog



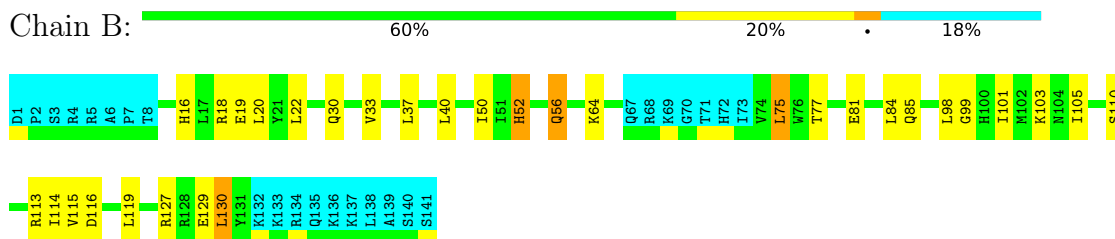
### 4.2.18 Score per residue for model 18

- Molecule 1: Protein timeless homolog



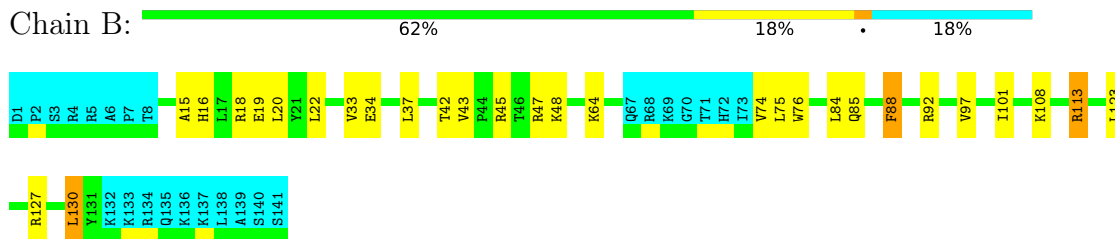
### 4.2.19 Score per residue for model 19

- Molecule 1: Protein timeless homolog



### 4.2.20 Score per residue for model 20

- Molecule 1: Protein timeless homolog



## 5 Refinement protocol and experimental data overview

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

Of the 200 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
CNS	refinement	
ARIA	structure calculation	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1830
Number of shifts mapped to atoms	1830
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	91%

## 6 Model quality i

### 6.1 Standard geometry i

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

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

Mol	Chain	Chirality	Planarity
1	B	0.0±0.0	0.1±0.2
All	All	0	1

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

All unique planar outliers are listed below.

Mol	Chain	Res	Type	Group	Models (Total)
1	B	45	ARG	Sidechain	1

### 6.2 Too-close contacts i

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	B	949	962	957	18±4
All	All	18980	19240	19140	368

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:B:101:ILE:O	1:B:105:ILE:HB	0.75	1.80	1	3
1:B:45:ARG:CZ	1:B:49:GLN:HB3	0.73	2.14	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:33:VAL:O	1:B:37:LEU:HG	0.73	1.83	18	18
1:B:18:ARG:O	1:B:22:LEU:HG	0.72	1.85	9	20
1:B:43:VAL:HG21	1:B:45:ARG:CZ	0.71	2.16	3	1
1:B:45:ARG:NH2	1:B:49:GLN:HB3	0.70	2.01	12	1
1:B:127:ARG:O	1:B:130:LEU:HG	0.69	1.86	20	19
1:B:101:ILE:O	1:B:105:ILE:HG22	0.66	1.89	13	4
1:B:98:LEU:HD22	1:B:114:ILE:HG21	0.66	1.67	19	1
1:B:98:LEU:O	1:B:102:MET:HG3	0.65	1.92	12	3
1:B:97:VAL:O	1:B:101:ILE:HG13	0.62	1.95	13	9
1:B:51:ILE:HG21	1:B:63:VAL:HG13	0.61	1.73	11	1
1:B:40:LEU:HG	1:B:40:LEU:O	0.61	1.95	1	3
1:B:37:LEU:HD23	1:B:50:ILE:HD13	0.60	1.73	1	2
1:B:113:ARG:HD3	1:B:113:ARG:O	0.60	1.97	18	1
1:B:46:THR:HG22	1:B:49:GLN:NE2	0.60	2.12	14	1
1:B:32:VAL:O	1:B:36:ILE:HG13	0.60	1.96	14	8
1:B:9:TRP:HZ2	1:B:45:ARG:NH1	0.60	1.95	12	1
1:B:76:TRP:CH2	1:B:84:LEU:HD23	0.60	2.32	6	2
1:B:115:VAL:O	1:B:119:LEU:HD23	0.59	1.97	16	14
1:B:99:GLY:O	1:B:103:LYS:HD3	0.58	1.97	19	6
1:B:88:PHE:CE1	1:B:123:LEU:HB3	0.58	2.33	1	2
1:B:43:VAL:HG13	1:B:45:ARG:CZ	0.58	2.28	11	1
1:B:43:VAL:HG23	1:B:44:PRO:HD2	0.58	1.75	11	1
1:B:76:TRP:CE3	1:B:80:GLN:HG2	0.58	2.33	12	1
1:B:32:VAL:O	1:B:36:ILE:HG12	0.57	2.00	9	4
1:B:88:PHE:O	1:B:92:ARG:HB2	0.57	1.99	12	7
1:B:97:VAL:O	1:B:101:ILE:HG12	0.57	2.00	11	2
1:B:42:THR:HG23	1:B:43:VAL:HG12	0.56	1.77	11	1
1:B:113:ARG:HA	1:B:113:ARG:NE	0.56	2.14	10	3
1:B:92:ARG:HA	1:B:97:VAL:HG22	0.56	1.77	8	1
1:B:88:PHE:O	1:B:92:ARG:HG3	0.55	2.01	9	2
1:B:79:ASP:O	1:B:83:GLU:HG3	0.55	2.01	11	4
1:B:110:SER:H	1:B:113:ARG:NH1	0.55	1.99	19	1
1:B:99:GLY:O	1:B:103:LYS:HG2	0.55	2.02	1	2
1:B:53:HIS:O	1:B:57:MET:HB2	0.55	2.02	11	5
1:B:75:LEU:O	1:B:75:LEU:HG	0.54	2.01	11	4
1:B:81:GLU:O	1:B:85:GLN:HB2	0.54	2.03	9	1
1:B:124:VAL:HG21	1:B:130:LEU:HD21	0.53	1.81	9	2
1:B:18:ARG:HD2	1:B:57:MET:SD	0.53	2.44	7	2
1:B:96:ASP:HB3	1:B:100:HIS:CG	0.53	2.39	13	1
1:B:37:LEU:HD23	1:B:50:ILE:HG13	0.52	1.80	12	1
1:B:76:TRP:CZ3	1:B:80:GLN:HG2	0.52	2.39	12	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:127:ARG:HA	1:B:130:LEU:HD21	0.52	1.80	7	3
1:B:52:HIS:HB3	1:B:56:GLN:NE2	0.52	2.19	8	2
1:B:88:PHE:CE2	1:B:123:LEU:HB3	0.52	2.40	20	2
1:B:80:GLN:HG3	1:B:109:ARG:NH2	0.51	2.21	4	1
1:B:107:ALA:HB3	1:B:109:ARG:NH2	0.51	2.20	12	1
1:B:124:VAL:HG21	1:B:130:LEU:CD2	0.51	2.35	3	7
1:B:99:GLY:O	1:B:103:LYS:HE3	0.51	2.06	13	1
1:B:84:LEU:HD11	1:B:114:ILE:HG23	0.50	1.83	19	1
1:B:110:SER:O	1:B:113:ARG:HG2	0.50	2.07	14	2
1:B:85:GLN:O	1:B:89:GLU:HG3	0.50	2.07	11	1
1:B:54:LEU:HD22	1:B:59:LEU:HD11	0.49	1.82	11	3
1:B:36:ILE:O	1:B:40:LEU:HG	0.49	2.07	15	7
1:B:31:ASP:OD1	1:B:33:VAL:HG22	0.49	2.08	11	1
1:B:88:PHE:CE2	1:B:118:LEU:HD21	0.49	2.43	15	1
1:B:34:GLU:HA	1:B:37:LEU:HD11	0.49	1.84	2	4
1:B:34:GLU:HA	1:B:37:LEU:CD1	0.49	2.37	12	4
1:B:37:LEU:HB3	1:B:50:ILE:HG13	0.49	1.85	2	2
1:B:92:ARG:HA	1:B:97:VAL:CG1	0.49	2.38	13	1
1:B:118:LEU:HD22	1:B:123:LEU:HD12	0.49	1.85	4	2
1:B:76:TRP:CE2	1:B:117:LYS:HG3	0.48	2.43	15	1
1:B:24:ASN:O	1:B:27:VAL:HG22	0.48	2.07	17	1
1:B:77:THR:O	1:B:81:GLU:HG3	0.48	2.09	17	4
1:B:40:LEU:HD12	1:B:40:LEU:O	0.48	2.08	12	1
1:B:96:ASP:HB3	1:B:100:HIS:CD2	0.48	2.44	13	1
1:B:37:LEU:CD2	1:B:50:ILE:HD13	0.47	2.38	1	2
1:B:98:LEU:HB2	1:B:111:ARG:NH1	0.47	2.24	9	2
1:B:25:LYS:HG3	1:B:26:ASP:OD1	0.47	2.08	17	1
1:B:37:LEU:HD12	1:B:38:ALA:N	0.47	2.25	8	3
1:B:124:VAL:HG22	1:B:125:ALA:H	0.47	1.70	5	1
1:B:51:ILE:HG23	1:B:66:PHE:CG	0.47	2.45	11	2
1:B:98:LEU:O	1:B:102:MET:HG2	0.47	2.09	10	2
1:B:51:ILE:HG22	1:B:63:VAL:HG12	0.47	1.87	16	1
1:B:84:LEU:HD12	1:B:109:ARG:NH1	0.47	2.25	12	1
1:B:46:THR:OG1	1:B:49:GLN:HG2	0.47	2.10	9	2
1:B:105:ILE:HG13	1:B:106:THR:N	0.46	2.25	1	1
1:B:113:ARG:HA	1:B:113:ARG:HE	0.46	1.68	10	3
1:B:16:HIS:HA	1:B:19:GLU:CB	0.46	2.41	11	8
1:B:30:GLN:NE2	1:B:35:ALA:HB2	0.46	2.26	3	1
1:B:113:ARG:HA	1:B:113:ARG:CZ	0.46	2.41	1	1
1:B:47:ARG:N	1:B:47:ARG:HD3	0.46	2.26	17	1
1:B:43:VAL:O	1:B:45:ARG:HD3	0.46	2.11	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:74:VAL:HG21	1:B:109:ARG:CG	0.45	2.41	6	1
1:B:74:VAL:HG21	1:B:109:ARG:HG2	0.45	1.88	6	1
1:B:9:TRP:CE3	1:B:13:GLU:HG2	0.45	2.47	5	1
1:B:40:LEU:HB2	1:B:45:ARG:NH2	0.45	2.25	6	1
1:B:76:TRP:CH2	1:B:84:LEU:HD22	0.45	2.46	8	3
1:B:51:ILE:HG12	1:B:66:PHE:CD2	0.45	2.46	1	2
1:B:33:VAL:HG23	1:B:37:LEU:HD11	0.45	1.88	18	1
1:B:105:ILE:HG23	1:B:107:ALA:O	0.45	2.11	7	2
1:B:105:ILE:HG12	1:B:109:ARG:NH2	0.45	2.26	4	2
1:B:88:PHE:CE1	1:B:118:LEU:HD21	0.45	2.47	16	2
1:B:75:LEU:HD12	1:B:75:LEU:O	0.45	2.11	6	1
1:B:37:LEU:HD23	1:B:50:ILE:HB	0.45	1.89	13	2
1:B:45:ARG:HH11	1:B:45:ARG:HG3	0.45	1.71	12	1
1:B:15:ALA:O	1:B:18:ARG:HG2	0.44	2.12	13	1
1:B:117:LYS:O	1:B:121:LEU:HD13	0.44	2.12	15	5
1:B:17:LEU:HD11	1:B:50:ILE:HG23	0.44	1.89	12	1
1:B:17:LEU:CD2	1:B:53:HIS:HB2	0.44	2.42	7	2
1:B:126:GLU:CD	1:B:128:ARG:HB3	0.44	2.32	2	1
1:B:43:VAL:HG21	1:B:45:ARG:NH1	0.44	2.27	3	1
1:B:74:VAL:O	1:B:76:TRP:HD1	0.44	1.95	11	1
1:B:83:GLU:O	1:B:87:LEU:HB2	0.44	2.13	13	1
1:B:15:ALA:O	1:B:19:GLU:HB2	0.43	2.13	9	3
1:B:92:ARG:NH2	1:B:129:GLU:HB3	0.43	2.28	5	1
1:B:13:GLU:CD	1:B:42:THR:HG21	0.43	2.34	11	1
1:B:87:LEU:CD2	1:B:101:ILE:HG12	0.43	2.43	13	1
1:B:88:PHE:HA	1:B:97:VAL:HG23	0.43	1.89	13	1
1:B:16:HIS:O	1:B:19:GLU:HB3	0.43	2.13	8	6
1:B:30:GLN:OE1	1:B:35:ALA:HB2	0.43	2.14	4	2
1:B:46:THR:OG1	1:B:49:GLN:HG3	0.43	2.13	18	1
1:B:13:GLU:OE2	1:B:42:THR:HG21	0.43	2.13	11	1
1:B:37:LEU:CD2	1:B:47:ARG:HA	0.43	2.43	16	1
1:B:35:ALA:O	1:B:39:HIS:HD2	0.43	1.96	1	2
1:B:45:ARG:CZ	1:B:50:ILE:HD11	0.43	2.44	8	1
1:B:37:LEU:CD2	1:B:50:ILE:HB	0.43	2.43	19	3
1:B:76:TRP:HE1	1:B:113:ARG:NE	0.43	2.12	16	1
1:B:57:MET:HB2	1:B:59:LEU:CD2	0.43	2.44	1	1
1:B:33:VAL:HG22	1:B:66:PHE:CD1	0.43	2.49	4	2
1:B:130:LEU:N	1:B:130:LEU:HD23	0.43	2.29	12	1
1:B:124:VAL:HG21	1:B:130:LEU:HD22	0.42	1.89	10	2
1:B:37:LEU:HD21	1:B:47:ARG:HA	0.42	1.90	1	2
1:B:43:VAL:HB	1:B:45:ARG:CD	0.42	2.44	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:102:MET:HE2	1:B:109:ARG:O	0.42	2.14	1	1
1:B:10:SER:OG	1:B:13:GLU:HB2	0.42	2.14	3	2
1:B:87:LEU:CD2	1:B:101:ILE:HG23	0.42	2.43	16	1
1:B:33:VAL:HG22	1:B:66:PHE:HD2	0.42	1.75	12	1
1:B:48:LYS:HE2	1:B:49:GLN:OE1	0.42	2.15	5	1
1:B:54:LEU:CD2	1:B:59:LEU:HD11	0.42	2.45	11	2
1:B:52:HIS:O	1:B:56:GLN:HB2	0.42	2.15	19	2
1:B:113:ARG:NE	1:B:113:ARG:CA	0.42	2.82	7	1
1:B:24:ASN:O	1:B:27:VAL:HG12	0.42	2.15	14	1
1:B:76:TRP:HA	1:B:80:GLN:NE2	0.42	2.30	2	1
1:B:20:LEU:HD11	1:B:39:HIS:HB2	0.42	1.92	3	3
1:B:88:PHE:CD1	1:B:123:LEU:HD13	0.42	2.50	15	1
1:B:96:ASP:O	1:B:100:HIS:HD2	0.41	1.98	16	1
1:B:130:LEU:HD23	1:B:130:LEU:N	0.41	2.30	15	1
1:B:30:GLN:HG2	1:B:31:ASP:N	0.41	2.30	1	2
1:B:74:VAL:O	1:B:76:TRP:N	0.41	2.53	2	1
1:B:34:GLU:O	1:B:38:ALA:HB3	0.41	2.16	4	1
1:B:9:TRP:CZ2	1:B:45:ARG:HD3	0.41	2.51	2	1
1:B:47:ARG:O	1:B:51:ILE:HG13	0.41	2.16	5	1
1:B:98:LEU:HB2	1:B:111:ARG:CZ	0.41	2.46	5	1
1:B:76:TRP:CZ2	1:B:117:LYS:HG2	0.41	2.51	9	1
1:B:124:VAL:HG21	1:B:129:GLU:HB2	0.41	1.92	5	1
1:B:16:HIS:HA	1:B:19:GLU:HB3	0.41	1.92	14	2
1:B:37:LEU:HD13	1:B:47:ARG:HD2	0.41	1.92	14	1
1:B:55:VAL:HG11	1:B:62:SER:C	0.41	2.36	17	1
1:B:74:VAL:HG22	1:B:80:GLN:HE22	0.40	1.76	1	1
1:B:18:ARG:HD3	1:B:57:MET:SD	0.40	2.56	3	1
1:B:87:LEU:HD23	1:B:101:ILE:HG23	0.40	1.92	7	1
1:B:84:LEU:HD12	1:B:84:LEU:O	0.40	2.17	11	1
1:B:127:ARG:HB3	1:B:131:TYR:CE2	0.40	2.51	6	1
1:B:89:GLU:OE1	1:B:92:ARG:HD2	0.40	2.16	7	1
1:B:59:LEU:HD12	1:B:60:ALA:N	0.40	2.31	10	1
1:B:9:TRP:CH2	1:B:43:VAL:HG21	0.40	2.51	15	1
1:B:14:GLU:O	1:B:17:LEU:HB2	0.40	2.15	10	1
1:B:43:VAL:HG21	1:B:45:ARG:NE	0.40	2.31	10	1
1:B:87:LEU:CD2	1:B:105:ILE:HB	0.40	2.46	7	1
1:B:108:LYS:N	1:B:108:LYS:HE3	0.40	2.31	16	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	B	116/141 (82%)	110±2 (95±1%)	6±2 (5±2%)	1±0 (1±0%)	26	73
All	All	2320/2820 (82%)	2194 (95%)	110 (5%)	16 (1%)	26	73

All 1 unique Ramachandran outliers are listed below.

Mol	Chain	Res	Type	Models (Total)
1	B	75	LEU	16

### 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	B	102/124 (82%)	92±2 (91±2%)	10±2 (9±2%)	12	58
All	All	2040/2480 (82%)	1847 (91%)	193 (9%)	12	58

All 40 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	B	130	LEU	20
1	B	20	LEU	19
1	B	75	LEU	15
1	B	85	GLN	14
1	B	40	LEU	12
1	B	108	LYS	11
1	B	74	VAL	10
1	B	30	GLN	9
1	B	45	ARG	9
1	B	127	ARG	7

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Mol	Chain	Res	Type	Models (Total)
1	B	47	ARG	6
1	B	80	GLN	6
1	B	52	HIS	5
1	B	33	VAL	5
1	B	113	ARG	5
1	B	43	VAL	4
1	B	49	GLN	4
1	B	48	LYS	3
1	B	117	LYS	3
1	B	42	THR	2
1	B	103	LYS	2
1	B	66	PHE	2
1	B	64	LYS	2
1	B	88	PHE	2
1	B	84	LEU	1
1	B	83	GLU	1
1	B	104	ASN	1
1	B	26	ASP	1
1	B	41	ASN	1
1	B	97	VAL	1
1	B	102	MET	1
1	B	98	LEU	1
1	B	109	ARG	1
1	B	24	ASN	1
1	B	25	LYS	1
1	B	118	LEU	1
1	B	131	TYR	1
1	B	106	THR	1
1	B	56	GLN	1
1	B	116	ASP	1

### 6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

## 6.5 Carbohydrates [i](#)

There are no 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 91% for the well-defined parts and 89% for the entire structure.

### 7.1 Chemical shift list 1

File name: working\_cs.cif

Chemical shift list name: *templateNEWEST.str*

#### 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	1830
Number of shifts mapped to atoms	1830
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	5

#### 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
$^{13}\text{C}_\alpha$	140	$-0.41 \pm 0.09$	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	134	$0.04 \pm 0.14$	None needed (< 0.5 ppm)
$^{13}\text{C}'$	134	$0.07 \pm 0.06$	None needed (< 0.5 ppm)
$^{15}\text{N}$	136	$-0.02 \pm 0.23$	None needed (< 0.5 ppm)

#### 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 91%, i.e. 1535 atoms were assigned a chemical shift out of a possible 1687. 0 out of 27 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	$^1\text{H}$	$^{13}\text{C}$	$^{15}\text{N}$
Backbone	579/581 (100%)	235/235 (100%)	230/232 (99%)	114/114 (100%)
Sidechain	866/994 (87%)	592/644 (92%)	263/306 (86%)	11/44 (25%)

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	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Aromatic	90/112 (80%)	45/55 (82%)	43/45 (96%)	2/12 (17%)
Overall	1535/1687 (91%)	872/934 (93%)	536/583 (92%)	127/170 (75%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 89%, i.e. 1830 atoms were assigned a chemical shift out of a possible 2054. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Backbone	692/703 (98%)	282/284 (99%)	274/282 (97%)	136/137 (99%)
Sidechain	1044/1231 (85%)	712/794 (90%)	319/374 (85%)	13/63 (21%)
Aromatic	94/120 (78%)	47/59 (80%)	45/47 (96%)	2/14 (14%)
Overall	1830/2054 (89%)	1041/1137 (92%)	638/703 (91%)	151/214 (71%)

#### 7.1.4 Statistically unusual chemical shifts [i](#)

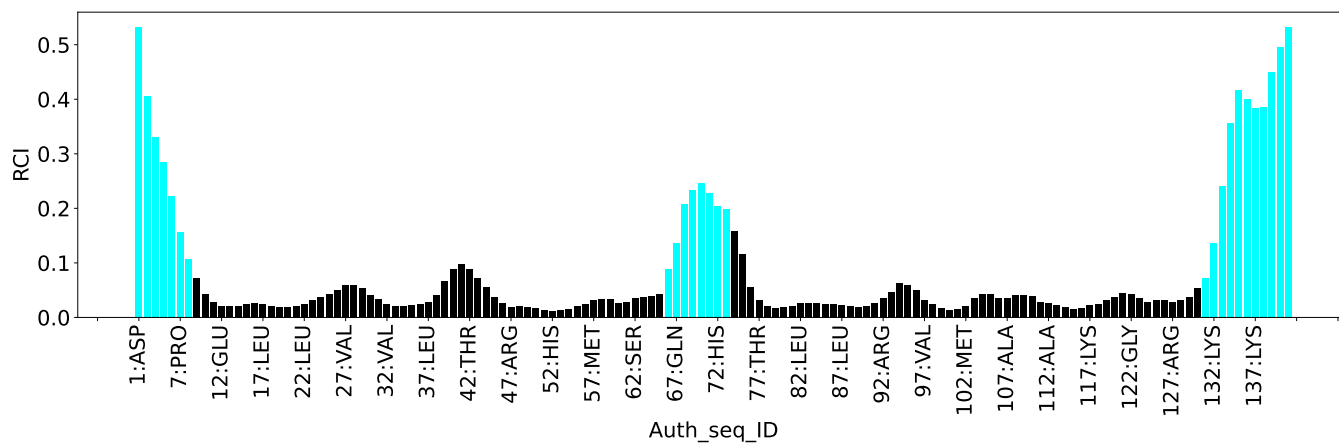
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	B	117	LYS	HG2	-0.95	0.13 – 2.61	-9.3
1	B	117	LYS	HG3	-0.95	0.04 – 2.67	-8.8
1	B	100	HIS	HB2	0.99	1.36 – 4.85	-6.1
1	B	90	GLU	HG2	1.02	1.24 – 3.30	-6.0
1	B	117	LYS	HD2	0.56	0.58 – 2.64	-5.1

#### 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 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	4730
Intra-residue ( $ i-j =0$ )	1612
Sequential ( $ i-j =1$ )	1084
Medium range ( $ i-j >1$ and $ i-j <5$ )	986
Long range ( $ i-j \geq 5$ )	1048
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	210
Number of unmapped restraints	0
Number of restraints per residue	35.0
Number of long range restraints per residue <sup>1</sup>	7.4

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

### 8.2 Residual restraint violations

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

#### 8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	64.6	0.2
0.2-0.5 (Medium)	99.8	0.5
>0.5 (Large)	255.4	14.41

### 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)	1.4	10.0
10.0-20.0 (Medium)	2.7	19.9
>20.0 (Large)	0.5	23.4



## 9 Distance violation analysis

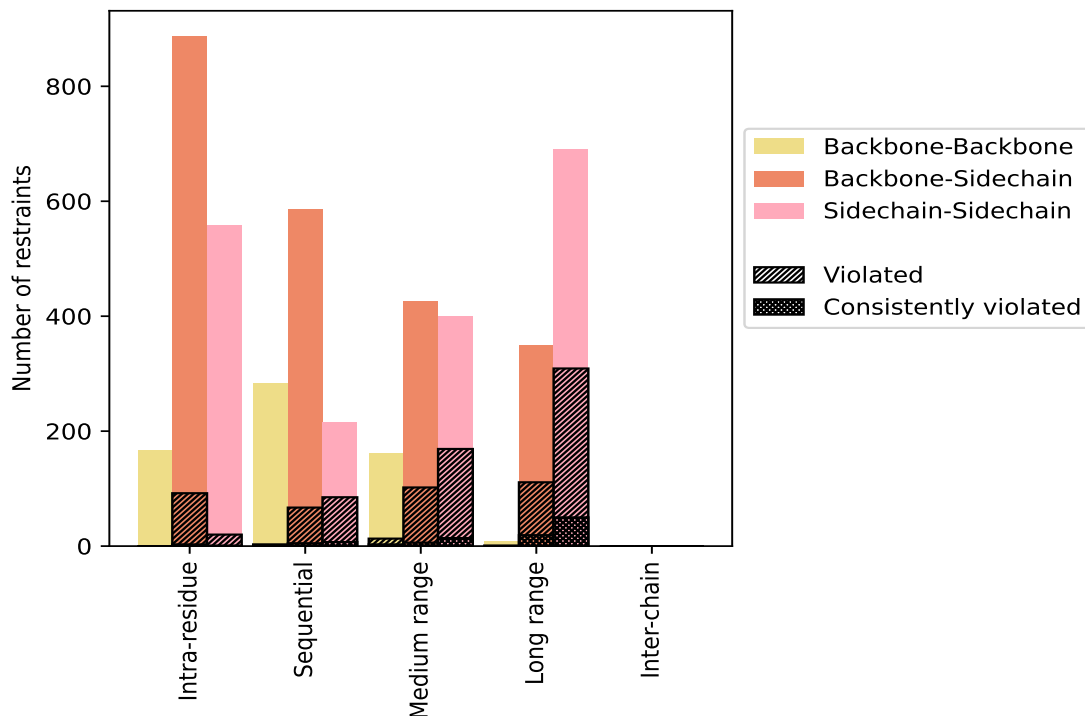
### 9.1 Summary of distance violations

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

Restrains type	Count	% <sup>1</sup>	Violated <sup>3</sup>			Consistently Violated <sup>4</sup>		
			Count	% <sup>2</sup>	% <sup>1</sup>	Count	% <sup>2</sup>	% <sup>1</sup>
<b>Intra-residue (<math> i-j =0</math>)</b>	<b>1612</b>	<b>34.1</b>	<b>112</b>	<b>6.9</b>	<b>2.4</b>	<b>4</b>	<b>0.2</b>	<b>0.1</b>
Backbone-Backbone	167	3.5	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	887	18.8	92	10.4	1.9	3	0.3	0.1
Sidechain-Sidechain	558	11.8	20	3.6	0.4	1	0.2	0.0
<b>Sequential (<math> i-j =1</math>)</b>	<b>1084</b>	<b>22.9</b>	<b>155</b>	<b>14.3</b>	<b>3.3</b>	<b>12</b>	<b>1.1</b>	<b>0.3</b>
Backbone-Backbone	283	6.0	3	1.1	0.1	0	0.0	0.0
Backbone-Sidechain	586	12.4	67	11.4	1.4	5	0.9	0.1
Sidechain-Sidechain	215	4.5	85	39.5	1.8	7	3.3	0.1
<b>Medium range (<math> i-j &gt;1</math> &amp; <math> i-j &lt;5</math>)</b>	<b>986</b>	<b>20.8</b>	<b>284</b>	<b>28.8</b>	<b>6.0</b>	<b>23</b>	<b>2.3</b>	<b>0.5</b>
Backbone-Backbone	161	3.4	13	8.1	0.3	3	1.9	0.1
Backbone-Sidechain	426	9.0	102	23.9	2.2	6	1.4	0.1
Sidechain-Sidechain	399	8.4	169	42.4	3.6	14	3.5	0.3
<b>Long range (<math> i-j \geq 5</math>)</b>	<b>1048</b>	<b>22.2</b>	<b>421</b>	<b>40.2</b>	<b>8.9</b>	<b>69</b>	<b>6.6</b>	<b>1.5</b>
Backbone-Backbone	8	0.2	1	12.5	0.0	0	0.0	0.0
Backbone-Sidechain	350	7.4	111	31.7	2.3	19	5.4	0.4
Sidechain-Sidechain	690	14.6	309	44.8	6.5	50	7.2	1.1
<b>Inter-chain</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
<b>Hydrogen bond</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Disulfide bond</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total</b>	<b>4730</b>	<b>100.0</b>	<b>972</b>	<b>20.5</b>	<b>20.5</b>	<b>108</b>	<b>2.3</b>	<b>2.3</b>
Backbone-Backbone	619	13.1	17	2.7	0.4	3	0.5	0.1
Backbone-Sidechain	2249	47.5	372	16.5	7.9	33	1.5	0.7
Sidechain-Sidechain	1862	39.4	583	31.3	12.3	72	3.9	1.5

<sup>1</sup> percentage calculated with respect to the total number of distance restraints, <sup>2</sup> percentage calculated with respect to the number of restraints in a particular restraint category, <sup>3</sup> violated in at least one model, <sup>4</sup> 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 <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total				
1	34	69	119	211	0	433	1.12	10.81	1.45	0.67
2	28	54	99	189	0	370	1.12	13.7	1.49	0.7
3	32	70	126	207	0	435	1.16	10.46	1.48	0.71
4	34	64	130	201	0	429	1.17	10.68	1.53	0.73
5	34	55	117	210	0	416	1.11	11.18	1.45	0.66
6	41	56	118	199	0	414	1.15	9.79	1.42	0.71
7	41	76	131	195	0	443	1.2	14.41	1.64	0.7
8	27	60	121	232	0	440	1.13	12.91	1.54	0.69
9	29	60	119	221	0	429	1.16	11.51	1.42	0.71
10	37	58	121	205	0	421	1.2	13.84	1.65	0.7
11	30	69	112	216	0	427	1.09	10.87	1.28	0.68

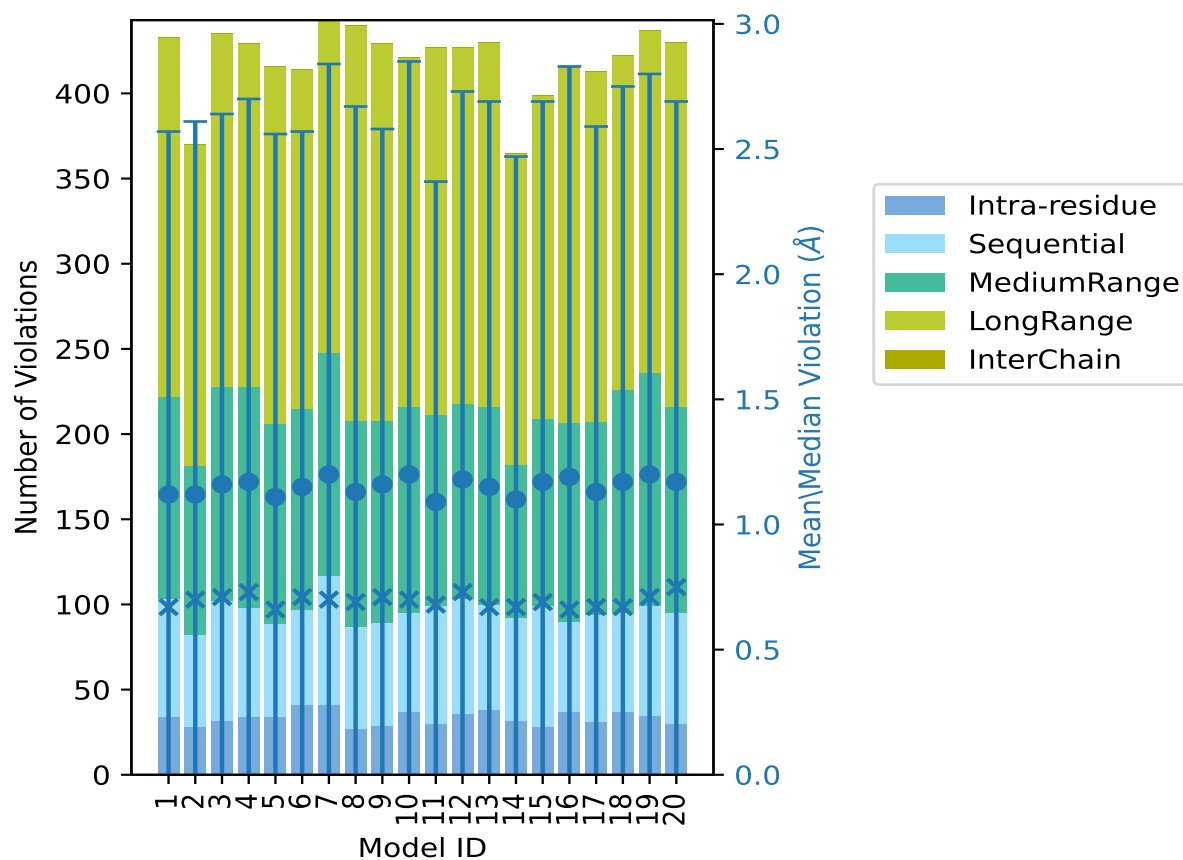
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Model ID	Number of violations					Total	Mean (Å)	Max (Å)	SD <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>					
12	36	67	115	209	0	427	1.18	11.62	1.55	0.73
13	38	62	116	214	0	430	1.15	12.6	1.54	0.67
14	32	60	90	183	0	365	1.1	11.34	1.37	0.67
15	28	71	110	190	0	399	1.17	10.13	1.52	0.69
16	37	53	117	208	0	415	1.19	12.9	1.64	0.66
17	31	63	113	206	0	413	1.13	11.39	1.46	0.67
18	37	58	131	196	0	422	1.17	12.91	1.58	0.67
19	35	64	137	201	0	437	1.2	14.2	1.6	0.71
20	30	65	121	214	0	430	1.17	11.98	1.52	0.75

<sup>1</sup>Intra-residue restraints, <sup>2</sup>Sequential restraints, <sup>3</sup>Medium range restraints, <sup>4</sup>Long range restraints, <sup>5</sup>Inter-chain restraints, <sup>6</sup>Standard deviation

### 9.2.1 Bar graph : Distance Violation statistics for each model



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

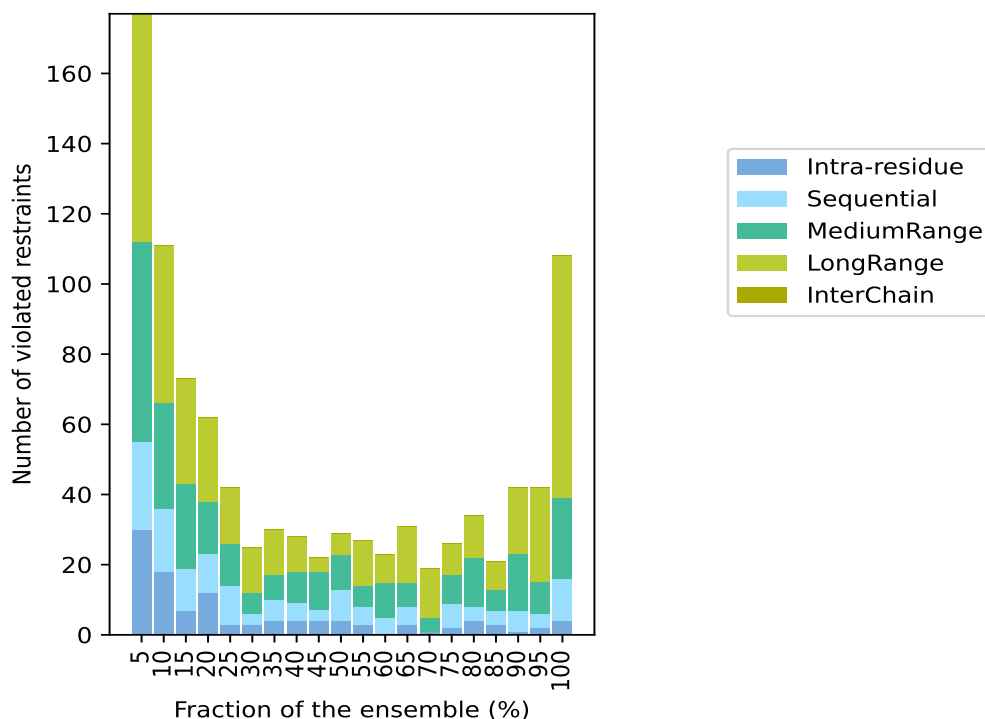
### 9.3 Distance violation statistics for the ensemble

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, 3758(IR:1500, SQ:929, MR:702, LR:627, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total	Count <sup>6</sup>	%
30	25	57	65	0	177	1	5.0
18	18	30	45	0	111	2	10.0
7	12	24	30	0	73	3	15.0
12	11	15	24	0	62	4	20.0
3	11	12	16	0	42	5	25.0
3	3	6	13	0	25	6	30.0
4	6	7	13	0	30	7	35.0
4	5	9	10	0	28	8	40.0
4	3	11	4	0	22	9	45.0
4	9	10	6	0	29	10	50.0
3	5	6	13	0	27	11	55.0
0	5	10	8	0	23	12	60.0
3	5	7	16	0	31	13	65.0
1	0	4	14	0	19	14	70.0
2	7	8	9	0	26	15	75.0
4	4	14	12	0	34	16	80.0
3	4	6	8	0	21	17	85.0
1	6	16	19	0	42	18	90.0
2	4	9	27	0	42	19	95.0
4	12	23	69	0	108	20	100.0

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

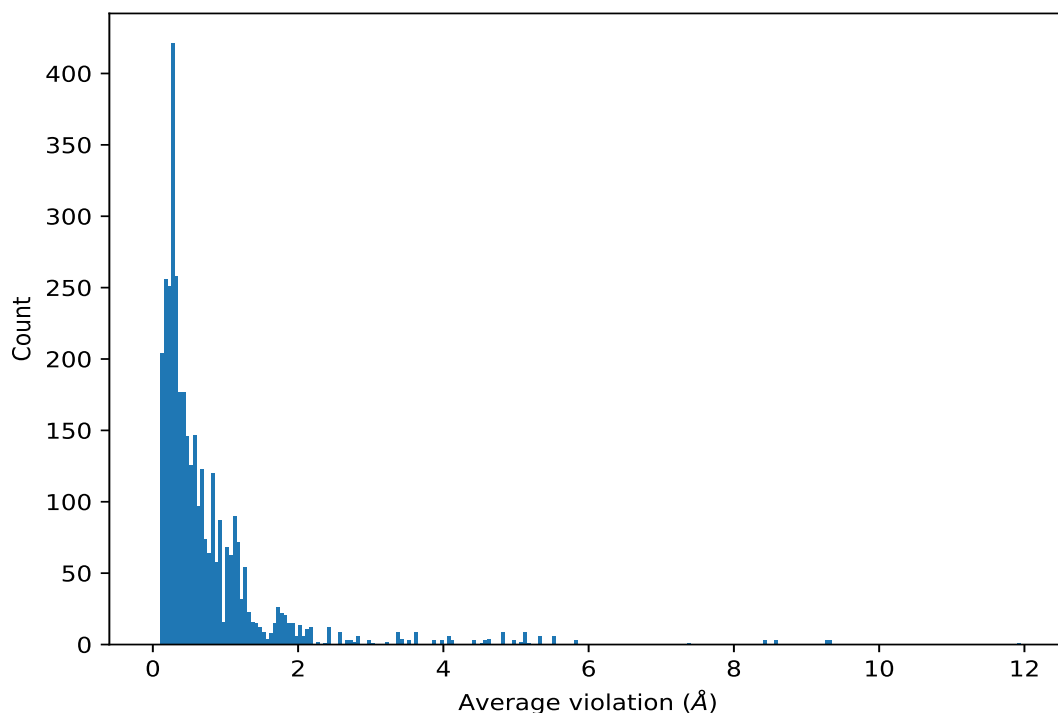
### 9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



## 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 <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	20	11.94	1.35	11.56
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	20	9.33	0.63	9.38
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	20	9.33	0.63	9.38
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	20	9.33	0.63	9.38
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	20	9.25	0.7	9.12
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	20	9.25	0.7	9.12
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	20	9.25	0.7	9.12
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	20	8.59	0.67	8.56
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	20	8.59	0.67	8.56
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	20	8.59	0.67	8.56
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	20	8.45	0.63	8.38
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	20	8.45	0.63	8.38
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	20	8.45	0.63	8.38
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	20	7.38	0.88	7.45
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	20	5.84	1.18	5.96
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	20	5.84	1.18	5.96

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	20	5.84	1.18	5.96
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	20	5.55	0.6	5.73
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	20	5.55	0.6	5.73
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	20	5.55	0.6	5.73
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	20	5.55	0.6	5.73
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	20	5.55	0.6	5.73
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	20	5.55	0.6	5.73
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	20	5.34	1.1	5.49
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	20	5.34	1.1	5.49
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	20	5.34	1.1	5.49
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	20	5.33	0.53	5.46
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	20	5.33	0.53	5.46
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	20	5.33	0.53	5.46
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	20	5.16	1.68	5.14
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	20	5.11	0.51	5.12
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	20	5.11	0.51	5.12
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	20	5.11	0.51	5.12
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	20	5.11	0.51	5.12
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	20	5.11	0.51	5.12
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	20	5.11	0.51	5.12
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	20	5.11	0.51	5.12
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	20	5.11	0.51	5.12
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	20	5.11	0.51	5.12
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	20	5.09	0.77	5.2
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	20	5.09	0.77	5.2
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	20	4.97	1.56	5.42
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	20	4.97	1.56	5.42
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	20	4.97	1.56	5.42
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	20	4.84	0.52	4.86
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	20	4.84	0.52	4.86
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	20	4.84	0.52	4.86
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	20	4.84	0.52	4.86
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	20	4.84	0.52	4.86
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	20	4.84	0.52	4.86
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	20	4.84	0.52	4.86
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	20	4.84	0.52	4.86
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	20	4.84	0.52	4.86
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	20	4.61	0.89	4.8
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	20	4.61	0.89	4.8
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	20	4.59	0.38	4.7
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	20	4.59	0.38	4.7
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	20	4.59	0.38	4.7

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	20	4.5	1.89	5.0
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	20	4.07	0.36	4.11
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	20	4.07	0.36	4.11
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	20	4.07	0.36	4.11
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	20	3.97	0.45	3.92
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	20	3.97	0.45	3.92
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	20	3.97	0.45	3.92
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	20	3.88	1.71	3.67
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	20	3.88	1.71	3.67
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	20	3.88	1.71	3.67
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	20	3.63	0.4	3.68
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	20	3.63	0.4	3.68
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	20	3.63	0.4	3.68
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	20	3.53	0.29	3.54
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	20	3.53	0.29	3.54
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	20	3.53	0.29	3.54
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	20	3.43	0.64	3.36
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	20	3.43	0.64	3.36
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	20	3.43	0.64	3.36
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	20	3.43	0.64	3.36
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	20	3.36	1.14	3.72
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	20	3.36	1.14	3.72
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	20	3.36	1.14	3.72
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	20	3.23	0.41	3.16
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	20	3.23	0.41	3.16
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	20	2.95	0.83	3.34
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	20	2.95	0.83	3.34
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	20	2.95	0.83	3.34
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	20	2.82	0.69	3.04
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	20	2.82	0.69	3.04
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	20	2.82	0.69	3.04
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	20	2.82	0.69	3.04
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	20	2.82	0.69	3.04
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	20	2.82	0.69	3.04
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	20	2.78	1.13	3.24
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	20	2.78	1.13	3.24
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	20	2.72	0.63	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	20	2.72	0.63	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	20	2.72	0.63	2.95
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	20	2.67	0.84	2.9
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	20	2.67	0.84	2.9
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	20	2.67	0.84	2.9

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	20	2.56	1.01	2.49
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	20	2.43	0.6	2.53
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	20	2.43	0.6	2.53
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	20	2.43	0.6	2.53
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	20	2.43	0.6	2.53
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	20	2.43	0.6	2.53
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	20	2.43	0.6	2.53
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	20	2.43	0.6	2.53
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	20	2.43	0.6	2.53
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	20	2.43	0.6	2.53
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	20	2.43	0.66	2.6
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	20	2.43	0.66	2.6
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	20	2.43	0.66	2.6
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	20	2.4	0.52	2.66
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	20	2.26	0.44	2.36
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	20	2.26	0.44	2.36
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	20	2.08	0.46	2.16
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	20	2.08	0.46	2.16
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	20	2.08	0.46	2.16
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	20	2.05	0.48	2.13
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	20	2.05	0.48	2.13
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	20	2.05	0.48	2.13
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	20	2.05	0.48	2.13
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	20	2.05	0.48	2.13
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	20	2.03	0.55	1.99
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	20	2.03	0.55	1.99
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	20	2.03	0.55	1.99
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	20	2.0	0.65	2.0
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	20	2.0	0.65	2.0
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	20	2.0	0.65	2.0
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	20	1.98	0.8	2.41
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	20	1.98	0.8	2.41
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	20	1.98	0.8	2.41
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	20	1.95	0.19	1.94
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	20	1.95	0.19	1.94
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	20	1.95	0.19	1.94
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	20	1.95	0.19	1.94
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	20	1.95	0.19	1.94
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	20	1.95	0.19	1.94
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	20	1.95	0.19	1.94
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	20	1.95	0.19	1.94
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	20	1.95	0.19	1.94

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	20	1.95	0.19	1.94
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	20	1.95	0.19	1.94
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	20	1.95	0.19	1.94
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	20	1.92	0.99	1.72
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	20	1.92	0.99	1.72
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	20	1.92	0.99	1.72
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	20	1.85	0.53	1.86
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	20	1.85	0.53	1.86
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	20	1.85	0.53	1.86
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	20	1.85	0.53	1.86
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	20	1.85	0.53	1.86
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	20	1.85	0.53	1.86
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	20	1.82	0.59	1.55
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	20	1.82	0.59	1.55
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	20	1.82	0.59	1.55
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	20	1.82	0.59	1.55
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	20	1.82	0.59	1.55
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	20	1.82	0.59	1.55
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	20	1.8	0.66	1.4
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	20	1.8	0.66	1.4
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	20	1.8	0.66	1.4
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	20	1.8	0.21	1.81
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	20	1.8	0.21	1.81
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	20	1.8	0.21	1.81
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	20	1.78	0.06	1.76
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	20	1.78	0.06	1.76
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	20	1.78	0.06	1.76
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	20	1.78	0.06	1.76
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	20	1.78	0.06	1.76
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	20	1.78	0.06	1.76
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	20	1.77	0.56	1.68
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	20	1.77	0.56	1.68
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	20	1.73	0.09	1.72
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	20	1.73	0.09	1.72
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	20	1.7	0.27	1.78
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	20	1.7	0.27	1.78
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	20	1.7	0.27	1.78
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	20	1.7	0.72	1.74
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	20	1.7	0.72	1.74
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	20	1.7	0.72	1.74
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	20	1.69	0.31	1.66
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	20	1.69	0.31	1.66

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	20	1.69	0.31	1.66
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	20	1.66	0.39	1.62
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	20	1.66	0.39	1.62
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	20	1.66	0.39	1.62
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	20	1.65	0.22	1.56
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	20	1.63	0.25	1.63
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	20	1.63	0.25	1.63
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	20	1.63	0.25	1.63
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	20	1.63	0.25	1.63
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	20	1.47	0.35	1.62
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	20	1.47	0.35	1.62
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	20	1.47	0.35	1.62
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	20	1.47	0.35	1.62
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	20	1.47	0.35	1.62
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	20	1.47	0.35	1.62
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	20	1.47	0.35	1.62
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	20	1.47	0.35	1.62
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	20	1.47	0.35	1.62
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	20	1.45	0.24	1.45
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	20	1.45	0.24	1.45
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	20	1.45	0.24	1.45
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	20	1.44	0.32	1.54
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	20	1.44	0.32	1.54
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	20	1.44	0.32	1.54
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	20	1.44	0.44	1.51
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	20	1.44	0.44	1.51
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	20	1.39	0.22	1.41
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	20	1.39	0.22	1.41
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	20	1.39	0.22	1.41
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	20	1.39	0.22	1.41
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	20	1.35	0.55	1.23
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	20	1.35	0.55	1.23
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	20	1.35	0.55	1.23
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	20	1.35	0.55	1.23
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	20	1.35	0.55	1.23
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	20	1.35	0.55	1.23
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	20	1.33	0.3	1.42
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	20	1.33	0.3	1.42
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	20	1.33	0.3	1.42
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	20	1.33	0.07	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	20	1.33	0.07	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	20	1.33	0.07	1.35

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	20	1.29	0.75	1.38
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	20	1.29	0.75	1.38
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	20	1.29	0.75	1.38
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	20	1.29	0.75	1.38
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	20	1.29	0.75	1.38
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	20	1.29	0.75	1.38
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	20	1.29	0.75	1.38
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	20	1.29	0.75	1.38
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	20	1.29	0.75	1.38
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	20	1.26	0.18	1.23
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	20	1.19	0.36	1.35
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	20	1.19	0.36	1.35
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	20	1.17	0.44	1.05
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	20	1.17	0.44	1.05
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	20	1.16	0.16	1.15
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	20	1.14	0.28	1.1
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	20	1.14	0.28	1.1
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	20	1.14	0.28	1.1
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	20	1.14	0.28	1.1
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	20	1.14	0.28	1.1
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	20	1.14	0.28	1.1
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	20	1.14	0.28	1.1
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	20	1.14	0.28	1.1
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	20	1.14	0.28	1.1
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	20	1.14	0.34	1.21
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	20	1.14	0.34	1.21
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	20	1.14	0.34	1.21
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	20	1.12	0.53	1.13
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	20	1.12	0.53	1.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	20	1.12	0.53	1.13
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	20	1.11	0.3	1.17
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	20	1.11	0.3	1.17
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	20	1.11	0.3	1.17
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	20	1.11	0.3	1.17
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	20	1.11	0.3	1.17
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	20	1.11	0.3	1.17
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	20	1.09	0.58	0.97
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	20	1.09	0.58	0.97
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	20	1.09	0.58	0.97
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	20	1.07	0.25	1.06
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	20	1.07	0.25	1.06
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	20	1.07	0.25	1.06
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	20	1.07	0.1	1.06
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	20	1.07	0.1	1.06
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	20	1.07	0.1	1.06
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	20	1.07	0.1	1.06
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	20	1.07	0.1	1.06
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	20	1.07	0.1	1.06
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	20	1.07	0.1	1.06
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	20	1.07	0.1	1.06
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	20	1.07	0.1	1.06
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	20	1.05	0.78	0.74
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	20	1.05	0.78	0.74
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	20	1.05	0.78	0.74
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	20	1.03	0.37	1.12
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	20	1.03	0.37	1.12
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	20	1.03	0.37	1.12
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	20	1.03	0.37	1.12
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	20	1.03	0.37	1.12
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	20	1.03	0.37	1.12
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	20	1.03	0.37	1.12
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	20	1.03	0.37	1.12
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	20	1.03	0.37	1.12
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	20	1.01	0.31	1.06
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	20	1.01	0.31	1.06
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	20	1.01	0.31	1.06
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	20	1.01	0.31	1.06
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	20	1.01	0.23	1.08
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	20	0.99	0.23	0.92
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	20	0.98	0.38	1.18
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	20	0.95	0.28	0.98

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	20	0.95	0.28	0.98
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	20	0.95	0.28	0.98
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	20	0.95	0.28	0.98
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	20	0.95	0.28	0.98
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	20	0.95	0.28	0.98
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	20	0.94	0.22	0.98
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	20	0.94	0.22	0.98
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	20	0.94	0.22	0.98
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	20	0.94	0.22	0.98
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	20	0.94	0.22	0.98
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	20	0.94	0.22	0.98
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	20	0.91	0.25	0.96
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	20	0.91	0.25	0.96
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	20	0.91	0.25	0.96
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	20	0.91	0.25	0.96
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	20	0.91	0.25	0.96
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	20	0.91	0.25	0.96
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	20	0.91	0.27	0.86
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	20	0.91	0.27	0.86
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	20	0.88	0.16	0.94
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	20	0.88	0.16	0.94
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	20	0.88	0.16	0.94
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	20	0.88	0.16	0.94
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	20	0.88	0.16	0.94
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	20	0.88	0.16	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	20	0.88	0.16	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	20	0.88	0.16	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	20	0.88	0.16	0.94
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	20	0.88	0.16	0.94
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	20	0.88	0.16	0.94
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	20	0.88	0.16	0.94
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	20	0.85	0.03	0.85
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	20	0.85	0.28	0.92
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	20	0.85	0.28	0.92
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	20	0.85	0.28	0.92
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	20	0.83	0.09	0.82
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	20	0.83	0.09	0.82
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	20	0.83	0.09	0.82
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	20	0.77	0.39	0.74
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	20	0.77	0.39	0.74
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	20	0.77	0.39	0.74
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	20	0.77	0.39	0.74

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	20	0.77	0.39	0.74
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	20	0.77	0.39	0.74
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	20	0.77	0.39	0.74
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	20	0.74	0.19	0.74
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	20	0.74	0.19	0.74
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	20	0.74	0.19	0.74
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	20	0.74	0.19	0.74
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	20	0.74	0.19	0.74
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	20	0.74	0.19	0.74
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	20	0.74	0.19	0.74
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	20	0.74	0.19	0.74
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	20	0.74	0.19	0.74
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	20	0.66	0.3	0.6
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	20	0.66	0.3	0.6
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	20	0.66	0.3	0.6
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	20	0.66	0.3	0.6
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	20	0.66	0.3	0.6
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	20	0.66	0.3	0.6
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	20	0.66	0.1	0.69
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	20	0.63	0.31	0.56
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	20	0.63	0.31	0.56
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	20	0.63	0.31	0.56
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	20	0.63	0.31	0.56
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	20	0.63	0.06	0.62
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	20	0.63	0.06	0.62
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	20	0.63	0.06	0.62
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	20	0.6	0.12	0.64

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	20	0.6	0.12	0.64
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	20	0.6	0.12	0.64
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	20	0.59	0.26	0.68
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	20	0.59	0.26	0.68
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	20	0.59	0.26	0.68
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	20	0.59	0.09	0.59
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	20	0.59	0.09	0.59
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	20	0.59	0.09	0.59
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	20	0.59	0.09	0.59
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	20	0.59	0.09	0.59
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	20	0.59	0.09	0.59
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	20	0.55	0.05	0.56
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	20	0.55	0.05	0.56
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	20	0.55	0.05	0.56
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	20	0.55	0.05	0.56
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	20	0.55	0.05	0.56
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	20	0.55	0.05	0.56
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	20	0.47	0.2	0.42
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	20	0.47	0.2	0.42
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	20	0.47	0.2	0.42
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	20	0.47	0.2	0.41
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	20	0.47	0.2	0.41
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	20	0.45	0.13	0.42
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	20	0.45	0.13	0.42
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	20	0.45	0.13	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	20	0.45	0.13	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	20	0.45	0.13	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	20	0.45	0.13	0.42
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	20	0.45	0.13	0.42
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	20	0.45	0.13	0.42
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	20	0.45	0.13	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	20	0.45	0.13	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	20	0.45	0.13	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	20	0.45	0.13	0.42
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	20	0.44	0.24	0.4
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	20	0.44	0.13	0.44
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	20	0.44	0.13	0.44
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	20	0.38	0.06	0.37
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	20	0.38	0.06	0.37
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	20	0.38	0.06	0.37
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	20	0.34	0.04	0.34
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	20	0.31	0.1	0.3

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	20	0.31	0.1	0.3
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	20	0.31	0.1	0.3
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	19	4.08	2.55	2.99
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	19	4.08	2.55	2.99
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	19	4.08	2.55	2.99
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	19	2.17	0.67	2.31
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	19	2.17	0.67	2.31
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	19	2.17	0.67	2.31
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	19	2.17	0.67	2.31
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	19	2.17	0.67	2.31
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	19	2.17	0.67	2.31
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	19	2.17	0.67	2.31
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	19	2.17	0.67	2.31
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	19	2.17	0.67	2.31
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	19	2.17	0.67	2.31
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	19	2.17	0.67	2.31
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	19	2.17	0.67	2.31
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	19	1.98	0.11	2.0
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	19	1.98	0.11	2.0
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	19	1.98	0.11	2.0
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	19	1.87	0.56	1.83
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	19	1.87	0.56	1.83
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	19	1.87	0.56	1.83
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	19	1.87	0.56	1.83
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	19	1.87	0.56	1.83
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	19	1.87	0.56	1.83
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	19	1.81	0.29	1.86
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	19	1.81	0.29	1.86
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	19	1.81	0.29	1.86
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	19	1.81	0.29	1.86
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	19	1.81	0.29	1.86
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	19	1.81	0.29	1.86
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	19	1.81	0.29	1.86
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	19	1.81	0.29	1.86
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	19	1.81	0.29	1.86
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	19	1.77	0.26	1.84
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	19	1.77	0.26	1.84
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	19	1.77	0.26	1.84
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	19	1.77	0.26	1.84
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	19	1.77	0.26	1.84
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	19	1.77	0.26	1.84
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	19	1.76	0.41	1.63

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	19	1.76	0.41	1.63
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	19	1.74	0.16	1.78
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	19	1.74	0.16	1.78
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	19	1.74	0.16	1.78
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	19	1.74	0.16	1.78
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	19	1.74	0.16	1.78
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	19	1.74	0.16	1.78
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	19	1.74	0.16	1.78
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	19	1.74	0.16	1.78
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	19	1.74	0.16	1.78
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	19	1.72	0.61	2.03
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	19	1.72	0.61	2.03
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	19	1.72	0.61	2.03
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	19	1.72	0.61	2.03
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	19	1.72	0.61	2.03
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	19	1.72	0.61	2.03
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	19	1.72	0.61	2.03
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	19	1.72	0.61	2.03
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	19	1.72	0.61	2.03
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	19	1.72	0.61	2.03
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	19	1.72	0.61	2.03
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	19	1.72	0.61	2.03
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	19	1.58	0.19	1.58
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	19	1.58	0.19	1.58
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	19	1.58	0.19	1.58
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	19	1.54	0.29	1.62
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	19	1.54	0.29	1.62
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	19	1.54	0.29	1.62
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	19	1.3	0.35	1.49
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	19	1.3	0.35	1.49
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	19	1.3	0.35	1.49
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	19	1.3	0.35	1.49
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	19	1.3	0.35	1.49
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	19	1.3	0.35	1.49
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	19	1.29	0.31	1.27
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	19	1.29	0.31	1.27
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	19	1.29	0.31	1.27
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	19	1.29	0.31	1.27
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	19	1.29	0.31	1.27
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	19	1.29	0.31	1.27
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	19	1.28	0.13	1.29

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	19	1.28	0.13	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	19	1.28	0.13	1.29
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	19	1.27	0.24	1.32
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	19	1.27	0.24	1.32
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	19	1.27	0.24	1.32
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	19	1.21	0.51	0.96
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	19	1.21	0.51	0.96
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	19	1.21	0.51	0.96
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	19	1.21	0.51	0.96
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	19	1.21	0.51	0.96
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	19	1.21	0.51	0.96
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	19	1.18	0.5	1.11
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	19	1.18	0.5	1.11
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	19	1.18	0.5	1.11
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	19	1.18	0.5	1.11
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	19	1.18	0.5	1.11
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	19	1.18	0.5	1.11
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	19	1.18	0.43	1.26
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	19	1.18	0.43	1.26
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	19	1.18	0.43	1.26
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	19	1.18	0.43	1.26
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	19	1.18	0.43	1.26
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	19	1.18	0.43	1.26
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	19	1.18	0.43	1.26
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	19	1.18	0.43	1.26
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	19	1.18	0.43	1.26
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	19	1.18	0.43	1.26
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	19	1.18	0.43	1.26

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	19	1.18	0.43	1.26
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	19	1.17	0.12	1.19
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	19	1.17	0.12	1.19
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	19	1.17	0.12	1.19
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	19	1.17	0.12	1.19
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	19	1.17	0.12	1.19
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	19	1.17	0.12	1.19
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	19	1.17	0.12	1.19
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	19	1.17	0.12	1.19
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	19	1.17	0.12	1.19
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	19	1.03	0.49	1.1
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	19	1.03	0.49	1.1
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	19	1.03	0.49	1.1
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	19	1.03	0.49	1.1
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	19	1.03	0.49	1.1
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	19	1.03	0.49	1.1
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	19	1.02	0.06	1.02
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	19	1.02	0.06	1.02
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	19	1.02	0.06	1.02
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	19	1.01	0.19	0.99
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	19	1.01	0.19	0.99
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	19	1.01	0.19	0.99
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	19	1.01	0.19	0.99
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	19	1.01	0.19	0.99
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	19	1.01	0.19	0.99
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	19	1.01	0.19	0.99
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	19	1.01	0.19	0.99
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	19	1.01	0.19	0.99
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	19	0.98	0.18	1.02
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	19	0.98	0.38	0.91
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	19	0.98	0.38	0.91
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	19	0.98	0.38	0.91
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	19	0.94	0.5	0.73
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	19	0.94	0.5	0.73
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	19	0.94	0.12	0.92
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	19	0.94	0.12	0.92
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	19	0.94	0.12	0.92
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	19	0.93	0.03	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	19	0.93	0.03	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	19	0.93	0.03	0.94
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	19	0.83	0.4	0.76
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	19	0.83	0.4	0.76

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	19	0.83	0.4	0.76
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	19	0.83	0.4	0.76
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	19	0.83	0.4	0.76
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	19	0.83	0.4	0.76
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	19	0.81	0.18	0.83
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	19	0.81	0.18	0.83
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	19	0.81	0.18	0.83
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	19	0.81	0.18	0.83
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	19	0.81	0.18	0.83
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	19	0.81	0.18	0.83
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	19	0.8	0.32	0.71
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	19	0.8	0.32	0.71
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	19	0.74	0.65	0.42
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	19	0.74	0.65	0.42
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	19	0.74	0.65	0.42
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	19	0.74	0.34	0.83
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	19	0.74	0.34	0.83
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	19	0.74	0.34	0.83
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	19	0.74	0.07	0.72
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	19	0.74	0.07	0.72
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	19	0.74	0.07	0.72
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	19	0.74	0.07	0.72
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	19	0.64	0.17	0.65
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	19	0.64	0.14	0.65
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	19	0.63	0.35	0.6
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	19	0.63	0.35	0.6
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	19	0.63	0.35	0.6
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	19	0.63	0.35	0.6
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	19	0.63	0.35	0.6
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	19	0.63	0.35	0.6
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	19	0.63	0.35	0.6
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	19	0.63	0.35	0.6
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	19	0.63	0.35	0.6
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	19	0.54	0.21	0.53
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	19	0.54	0.21	0.53
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	19	0.54	0.21	0.53
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	19	0.49	0.17	0.48
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	19	0.49	0.17	0.48
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	19	0.49	0.17	0.48
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	19	0.49	0.17	0.48
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	19	0.49	0.17	0.48
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	19	0.49	0.17	0.48

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	19	0.45	0.22	0.45
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	19	0.45	0.22	0.45
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	19	0.45	0.22	0.45
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	19	0.39	0.27	0.28
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	19	0.39	0.27	0.28
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	19	0.39	0.27	0.28
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	19	0.34	0.2	0.21
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	19	0.34	0.2	0.21
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	19	0.21	0.03	0.2
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	18	4.43	1.62	5.16
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	18	4.43	1.62	5.16
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	18	4.43	1.62	5.16
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	18	4.14	2.03	3.88
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	18	4.14	2.03	3.88
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	18	4.14	2.03	3.88
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	18	3.04	1.19	3.62
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	18	2.02	1.27	2.42
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	18	2.02	1.27	2.42
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	18	2.02	1.27	2.42
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	18	1.76	0.64	1.87
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	18	1.76	0.64	1.87
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	18	1.76	0.64	1.87
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	18	1.76	0.64	1.87
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	18	1.76	0.64	1.87
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	18	1.76	0.64	1.87
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	18	1.68	0.62	1.66

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	18	1.68	0.62	1.66
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	18	1.68	0.62	1.66
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	18	1.61	0.21	1.56
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	18	1.61	0.21	1.56
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	18	1.61	0.21	1.56
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	18	1.43	0.26	1.37
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	18	1.43	0.26	1.37
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	18	1.43	0.26	1.37
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	18	1.34	0.3	1.42
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	18	1.34	0.3	1.42
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	18	1.34	0.3	1.42
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	18	1.34	0.3	1.42
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	18	1.34	0.3	1.42
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	18	1.34	0.3	1.42
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	18	1.27	0.39	1.35
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	18	1.27	0.39	1.35
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	18	1.27	0.39	1.35
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	18	1.27	0.38	1.27
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	18	1.27	0.38	1.27
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	18	1.27	0.38	1.27
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	18	1.27	0.38	1.27
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	18	1.27	0.38	1.27
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	18	1.27	0.38	1.27
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	18	1.27	0.38	1.27
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	18	1.27	0.38	1.27
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	18	1.27	0.38	1.27
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	18	1.23	0.41	1.12
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	18	1.23	0.41	1.12
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	18	1.23	0.41	1.12
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	18	1.23	0.41	1.12
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	18	1.23	0.41	1.12
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	18	1.23	0.41	1.12
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	18	1.23	0.41	1.12
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	18	1.23	0.41	1.12
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	18	1.23	0.41	1.12
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	18	1.22	0.21	1.18
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	18	1.22	0.21	1.18
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	18	1.22	0.21	1.18
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	18	1.21	0.42	1.14
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	18	1.21	0.42	1.14
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	18	1.21	0.42	1.14
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	18	1.21	0.42	1.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	18	1.2	0.62	1.14
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	18	1.08	0.36	1.06
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	18	1.08	0.36	1.06
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	18	1.08	0.36	1.06
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	18	1.08	0.36	1.06
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	18	1.08	0.36	1.06
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	18	1.08	0.36	1.06
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	18	1.08	0.36	1.06
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	18	1.08	0.36	1.06
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	18	1.08	0.36	1.06
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	18	1.08	0.36	1.06
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	18	1.08	0.36	1.06
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	18	1.08	0.36	1.06
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	18	1.08	0.36	1.06
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	18	1.08	0.36	1.06
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	18	1.08	0.36	1.06
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	18	1.08	0.36	1.06
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	18	1.08	0.36	1.06
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	18	1.08	0.36	1.06
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	18	1.08	0.19	1.1
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	18	1.08	0.19	1.1
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	18	1.08	0.19	1.1
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	18	1.07	0.77	0.78
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	18	1.07	0.77	0.78
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	18	1.04	0.54	1.12
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	18	1.04	0.54	1.12
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	18	1.04	0.54	1.12
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	18	0.95	0.22	1.03
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	18	0.95	0.22	1.03
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	18	0.95	0.22	1.03
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	18	0.95	0.22	1.03
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	18	0.95	0.22	1.03
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	18	0.95	0.22	1.03
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	18	0.94	0.13	0.96
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	18	0.94	0.13	0.96
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	18	0.94	0.13	0.96
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	18	0.94	0.13	0.96
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	18	0.94	0.13	0.96
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	18	0.94	0.13	0.96
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	18	0.94	0.61	0.94
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	18	0.92	0.17	0.92
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	18	0.92	0.17	0.92

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	18	0.92	0.17	0.92
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	18	0.92	0.33	1.06
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	18	0.92	0.33	1.06
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	18	0.91	0.02	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	18	0.91	0.02	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	18	0.91	0.02	0.91
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	18	0.82	0.15	0.82
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	18	0.82	0.15	0.82
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	18	0.82	0.15	0.82
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	18	0.82	0.15	0.82
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	18	0.82	0.15	0.82
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	18	0.82	0.15	0.82
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	18	0.82	0.15	0.82
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	18	0.82	0.15	0.82
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	18	0.82	0.15	0.82
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	18	0.82	0.13	0.84
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	18	0.82	0.13	0.84
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	18	0.82	0.13	0.84
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	18	0.82	0.13	0.84
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	18	0.82	0.13	0.84
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	18	0.82	0.13	0.84
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	18	0.8	0.39	0.99
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	18	0.8	0.39	0.99
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	18	0.8	0.39	0.99
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	18	0.8	0.39	0.99
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	18	0.8	0.39	0.99
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	18	0.8	0.39	0.99
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	18	0.8	0.14	0.82

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	18	0.8	0.14	0.82
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	18	0.8	0.14	0.82
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	18	0.78	0.52	0.64
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	18	0.78	0.52	0.64
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	18	0.78	0.52	0.64
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	18	0.78	0.52	0.64
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	18	0.78	0.52	0.64
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	18	0.78	0.52	0.64
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	18	0.77	0.12	0.78
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	18	0.77	0.12	0.78
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	18	0.77	0.12	0.78
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	18	0.77	0.12	0.78
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	18	0.77	0.12	0.78
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	18	0.77	0.12	0.78
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	18	0.72	0.32	0.74
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	18	0.72	0.32	0.74
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	18	0.72	0.32	0.74
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	18	0.72	0.32	0.74
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	18	0.72	0.32	0.74
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	18	0.72	0.32	0.74
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	18	0.69	0.38	0.57
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	18	0.69	0.33	0.79
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	18	0.69	0.33	0.79
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	18	0.65	0.18	0.66
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	18	0.65	0.18	0.66
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	18	0.65	0.18	0.66
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	18	0.63	0.38	0.48
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	18	0.63	0.38	0.48
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	18	0.63	0.38	0.48
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	18	0.6	0.2	0.5
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	18	0.59	0.14	0.6
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	18	0.59	0.14	0.6
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	18	0.59	0.14	0.6
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	18	0.58	0.24	0.62
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	18	0.58	0.24	0.62
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	18	0.58	0.24	0.62
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	18	0.58	0.24	0.62
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	18	0.58	0.24	0.62
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	18	0.58	0.24	0.62
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	18	0.57	0.02	0.58
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	18	0.57	0.02	0.58

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	18	0.57	0.02	0.58
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	18	0.57	0.02	0.58
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	18	0.57	0.02	0.58
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	18	0.57	0.02	0.58
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	18	0.54	0.19	0.62
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	18	0.54	0.19	0.62
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	18	0.54	0.19	0.62
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	18	0.54	0.19	0.62
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	18	0.54	0.19	0.62
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	18	0.54	0.19	0.62
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	18	0.13	0.01	0.12
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	18	0.13	0.01	0.12
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	18	0.13	0.01	0.12
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	17	4.63	2.36	5.8
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	17	4.63	2.36	5.8
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	17	3.36	1.91	3.51
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	17	3.36	1.91	3.51
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	17	3.36	1.91	3.51
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	17	3.36	1.91	3.51
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	17	3.36	1.91	3.51
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	17	3.36	1.91	3.51
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	17	1.42	0.34	1.31
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	17	1.42	0.34	1.31
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	17	1.42	0.34	1.31
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	17	1.23	0.55	1.18
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	17	1.12	0.08	1.15
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	17	1.12	0.08	1.15
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	17	1.12	0.08	1.15
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	17	1.12	0.08	1.15
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	17	1.12	0.08	1.15
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	17	1.12	0.08	1.15
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	17	1.08	0.4	1.06
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	17	1.08	0.4	1.06
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	17	1.08	0.4	1.06
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	17	1.08	0.4	1.06
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	17	1.08	0.4	1.06
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	17	1.08	0.4	1.06
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	17	1.01	0.08	1.0
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	17	0.94	0.44	0.98
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	17	0.9	0.12	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	17	0.9	0.12	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	17	0.9	0.12	0.92

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	17	0.89	0.36	0.89
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	17	0.89	0.36	0.89
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	17	0.89	0.36	0.89
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	17	0.87	0.13	0.9
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	17	0.87	0.13	0.9
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	17	0.87	0.13	0.9
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	17	0.81	0.37	0.8
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	17	0.81	0.37	0.8
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	17	0.81	0.37	0.8
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	17	0.53	0.13	0.56
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	17	0.53	0.13	0.56
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	17	0.53	0.13	0.56
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	17	0.53	0.13	0.56
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	17	0.53	0.13	0.56
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	17	0.53	0.13	0.56
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	17	0.53	0.13	0.56
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	17	0.53	0.13	0.56
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	17	0.53	0.13	0.56
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	17	0.53	0.13	0.56
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	17	0.53	0.13	0.56
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	17	0.53	0.13	0.56
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	17	0.53	0.25	0.5
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	17	0.53	0.25	0.5
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	17	0.53	0.25	0.5
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	17	0.48	0.19	0.45
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	17	0.48	0.19	0.45
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	17	0.48	0.19	0.45
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	17	0.48	0.18	0.46
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	17	0.48	0.18	0.46
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	17	0.48	0.18	0.46
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	17	0.48	0.18	0.46
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	17	0.48	0.18	0.46
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	17	0.48	0.18	0.46
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	17	0.45	0.3	0.34
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	17	0.45	0.3	0.34
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	17	0.45	0.3	0.34
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	17	0.41	0.31	0.3
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	17	0.41	0.31	0.3
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	17	0.41	0.31	0.3
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	17	0.41	0.31	0.35
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	17	0.41	0.31	0.35
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	17	0.41	0.31	0.35

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	17	0.29	0.09	0.31
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	17	0.29	0.09	0.31
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	17	0.29	0.09	0.31
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	17	0.16	0.05	0.15
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	17	0.16	0.05	0.15
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	17	0.16	0.05	0.15
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	16	2.07	0.07	2.06
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	16	2.07	0.07	2.06
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	16	2.07	0.07	2.06
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	16	1.71	0.1	1.71
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	16	1.71	0.1	1.71
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	16	1.71	0.1	1.71
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	16	1.18	0.55	1.25
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	16	1.18	0.55	1.25
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	16	1.18	0.55	1.25
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	16	1.18	0.55	1.25
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	16	1.18	0.55	1.25
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	16	1.18	0.55	1.25
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	16	1.18	0.55	1.25
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	16	1.18	0.55	1.25
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	16	1.18	0.55	1.25
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	16	1.15	0.22	1.11
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	16	1.15	0.22	1.11
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	16	1.15	0.22	1.11
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	16	1.13	0.25	1.15
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	16	1.13	0.25	1.15
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	16	1.13	0.25	1.15
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	16	1.13	0.25	1.15
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	16	1.13	0.25	1.15
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	16	1.13	0.25	1.15
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	16	1.11	0.3	1.1
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	16	1.11	0.3	1.1
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	16	1.11	0.3	1.1
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	16	1.06	0.53	1.34
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	16	1.06	0.53	1.34
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	16	1.06	0.53	1.34
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	16	1.03	0.44	1.27
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	16	1.03	0.44	1.27
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	16	1.03	0.44	1.27
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	16	1.03	0.44	1.27
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	16	1.03	0.44	1.27
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	16	1.03	0.44	1.27

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	16	1.03	0.44	1.27
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	16	1.03	0.44	1.27
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	16	1.03	0.44	1.27
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	16	1.03	0.44	1.27
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	16	1.03	0.44	1.27
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	16	1.03	0.44	1.27
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	16	1.03	0.27	0.96
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	16	1.03	0.27	0.96
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	16	1.03	0.27	0.96
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	16	1.03	0.02	1.02
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	16	1.03	0.02	1.02
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	16	1.03	0.02	1.02
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	16	1.0	0.32	0.97
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	16	1.0	0.32	0.97
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	16	1.0	0.32	0.97
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	16	0.98	0.36	1.02
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	16	0.89	0.41	1.05
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	16	0.89	0.41	1.05
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	16	0.89	0.41	1.05
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	16	0.8	0.37	0.7
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	16	0.8	0.37	0.7
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	16	0.8	0.37	0.7
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	16	0.8	0.36	0.85
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	16	0.8	0.36	0.85
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	16	0.8	0.36	0.85
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	16	0.74	0.26	0.7
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	16	0.74	0.26	0.7
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	16	0.74	0.26	0.7
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	16	0.74	0.26	0.7
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	16	0.74	0.26	0.7
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	16	0.74	0.26	0.7
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	16	0.74	0.26	0.7
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	16	0.74	0.26	0.7
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	16	0.74	0.26	0.7
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	16	0.72	0.39	0.78
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	16	0.72	0.39	0.78
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	16	0.72	0.39	0.78
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	16	0.72	0.39	0.78
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	16	0.67	0.41	0.58
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	16	0.67	0.41	0.58
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	16	0.67	0.41	0.58
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	16	0.67	0.41	0.58

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	16	0.67	0.41	0.58
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	16	0.67	0.41	0.58
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	16	0.67	0.41	0.58
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	16	0.67	0.41	0.58
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	16	0.67	0.41	0.58
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	16	0.67	0.41	0.58
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	16	0.67	0.41	0.58
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	16	0.67	0.41	0.58
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	16	0.67	0.41	0.58
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	16	0.67	0.41	0.58
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	16	0.67	0.41	0.58
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	16	0.67	0.41	0.58
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	16	0.67	0.41	0.58
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	16	0.67	0.41	0.58
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	16	0.64	0.4	0.62
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	16	0.64	0.4	0.62
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	16	0.64	0.4	0.62
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	16	0.64	0.4	0.62
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	16	0.56	0.27	0.57
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	16	0.56	0.27	0.57
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	16	0.56	0.27	0.57
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	16	0.56	0.27	0.57
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	16	0.56	0.27	0.57
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	16	0.56	0.27	0.57
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	16	0.56	0.27	0.57
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	16	0.56	0.27	0.57
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	16	0.56	0.27	0.57
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	16	0.56	0.27	0.57
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	16	0.56	0.27	0.57
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	16	0.56	0.27	0.57
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	16	0.5	0.48	0.31
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	16	0.5	0.48	0.31
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	16	0.5	0.48	0.31
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	16	0.5	0.48	0.31
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	16	0.5	0.48	0.31
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	16	0.5	0.48	0.31
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	16	0.5	0.48	0.31
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	16	0.5	0.48	0.31
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	16	0.5	0.48	0.31
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	16	0.5	0.48	0.31
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	16	0.5	0.48	0.31
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	16	0.5	0.48	0.31

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	16	0.5	0.48	0.31
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	16	0.5	0.48	0.31
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	16	0.5	0.48	0.31
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	16	0.49	0.06	0.49
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	16	0.49	0.06	0.49
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	16	0.49	0.06	0.49
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	16	0.49	0.31	0.42
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	16	0.43	0.16	0.43
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	16	0.43	0.16	0.43
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	16	0.43	0.16	0.43
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	16	0.43	0.16	0.43
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	16	0.43	0.16	0.43
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	16	0.43	0.16	0.43
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	16	0.42	0.51	0.24
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	16	0.42	0.51	0.24
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	16	0.42	0.51	0.24
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	16	0.42	0.18	0.44
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	16	0.42	0.18	0.44
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	16	0.35	0.17	0.33
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	16	0.35	0.17	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	16	0.35	0.17	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	16	0.35	0.17	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	16	0.35	0.17	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	16	0.35	0.17	0.33
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	16	0.35	0.17	0.33
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	16	0.35	0.17	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	16	0.35	0.17	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	16	0.35	0.17	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	16	0.35	0.17	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	16	0.35	0.17	0.33
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	16	0.33	0.13	0.32
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	16	0.33	0.2	0.25
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	16	0.33	0.2	0.25
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	16	0.33	0.2	0.25
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	16	0.33	0.2	0.25
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	16	0.33	0.2	0.25
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	16	0.33	0.2	0.25
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	16	0.32	0.07	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	16	0.32	0.07	0.3
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	16	0.32	0.07	0.3
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	16	0.32	0.07	0.3
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	16	0.32	0.07	0.3

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	16	0.32	0.07	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	16	0.32	0.07	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	16	0.32	0.07	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	16	0.32	0.07	0.3
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	16	0.32	0.07	0.3
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	16	0.32	0.07	0.3
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	16	0.32	0.07	0.3
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	16	0.29	0.21	0.22
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	16	0.29	0.21	0.22
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	16	0.29	0.21	0.22
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	16	0.29	0.21	0.22
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	16	0.29	0.21	0.22
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	16	0.29	0.21	0.22
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	16	0.29	0.21	0.22
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	16	0.29	0.21	0.22
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	16	0.29	0.21	0.22
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	16	0.18	0.05	0.16
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	16	0.18	0.05	0.16
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	16	0.18	0.05	0.16
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	16	0.18	0.05	0.16
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	16	0.17	0.03	0.17
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	16	0.16	0.04	0.16
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	16	0.16	0.04	0.16
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	16	0.16	0.04	0.16
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	16	0.16	0.04	0.16
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	16	0.16	0.04	0.16
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	16	0.16	0.04	0.16
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	16	0.16	0.04	0.16
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	16	0.16	0.04	0.16
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	16	0.16	0.04	0.16
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	15	3.65	3.44	2.8
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	15	3.65	3.44	2.8
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	15	3.65	3.44	2.8
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	15	3.65	3.44	2.8
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	15	3.65	3.44	2.8
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	15	3.65	3.44	2.8
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	15	1.31	0.18	1.35
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	15	1.31	0.18	1.35
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	15	1.31	0.18	1.35
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	15	1.21	0.3	1.2
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	15	1.21	0.3	1.2
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	15	1.21	0.3	1.2

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	15	1.16	0.43	1.36
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	15	1.13	0.07	1.16
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	15	1.13	0.32	1.17
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	15	1.13	0.32	1.17
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	15	1.13	0.32	1.17
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	15	1.13	0.32	1.17
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	15	1.13	0.32	1.17
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	15	1.13	0.32	1.17
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	15	0.98	0.44	0.93
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	15	0.89	0.46	0.89
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	15	0.89	0.46	0.89
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	15	0.89	0.46	0.89
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	15	0.89	0.46	0.89
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	15	0.89	0.46	0.89
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	15	0.89	0.46	0.89
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	15	0.77	0.38	0.6
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	15	0.77	0.38	0.6
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	15	0.77	0.38	0.6
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	15	0.74	0.44	0.73
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	15	0.74	0.44	0.73
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	15	0.71	0.26	0.72
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	15	0.71	0.26	0.72
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	15	0.71	0.26	0.72
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	15	0.66	0.57	0.32
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	15	0.66	0.57	0.32
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	15	0.66	0.57	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	15	0.66	0.57	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	15	0.66	0.57	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	15	0.66	0.57	0.32
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	15	0.66	0.57	0.32
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	15	0.66	0.57	0.32
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	15	0.66	0.57	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	15	0.66	0.57	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	15	0.66	0.57	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	15	0.66	0.57	0.32
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	15	0.63	0.33	0.66
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	15	0.63	0.33	0.66
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	15	0.63	0.33	0.66
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	15	0.61	0.36	0.58
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	15	0.61	0.36	0.58
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	15	0.58	0.35	0.5
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	15	0.58	0.35	0.5

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	15	0.58	0.35	0.5
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	15	0.55	0.2	0.61
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	15	0.55	0.2	0.61
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	15	0.55	0.2	0.61
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	15	0.53	0.21	0.48
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	15	0.53	0.21	0.48
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	15	0.53	0.21	0.48
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	15	0.53	0.21	0.48
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	15	0.53	0.21	0.48
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	15	0.53	0.21	0.48
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	15	0.53	0.21	0.48
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	15	0.53	0.21	0.48
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	15	0.53	0.21	0.48
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	15	0.47	0.26	0.43
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	15	0.47	0.26	0.43
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	15	0.47	0.26	0.43
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	15	0.47	0.2	0.47
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	15	0.39	0.13	0.4
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	15	0.39	0.13	0.4
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	15	0.39	0.13	0.4
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	15	0.39	0.26	0.34
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	15	0.39	0.26	0.34
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	15	0.39	0.26	0.34
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	15	0.36	0.05	0.38
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	15	0.36	0.05	0.38
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	15	0.36	0.05	0.38
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	15	0.36	0.05	0.38
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	15	0.33	0.11	0.3
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	15	0.33	0.11	0.3
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	15	0.33	0.11	0.3
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	15	0.32	0.11	0.28
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	15	0.32	0.11	0.28
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	15	0.32	0.11	0.28
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	15	0.32	0.11	0.28
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	15	0.32	0.11	0.28
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	15	0.32	0.11	0.28
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	15	0.32	0.11	0.28
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	15	0.32	0.11	0.28
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	15	0.32	0.11	0.28
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	15	0.22	0.07	0.2
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	15	0.22	0.07	0.2
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	15	0.22	0.07	0.2

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	15	0.18	0.07	0.16
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	15	0.18	0.07	0.16
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	14	2.11	1.07	2.46
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	14	2.11	1.07	2.46
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	14	2.11	1.07	2.46
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	14	2.11	1.07	2.46
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	14	2.11	1.07	2.46
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	14	2.11	1.07	2.46
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	14	2.11	1.07	2.46
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	14	2.11	1.07	2.46
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	14	2.11	1.07	2.46
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	14	1.57	0.46	1.46
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	14	1.41	0.87	1.57
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	14	1.09	0.45	1.25
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	14	1.09	0.45	1.25
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	14	1.09	0.45	1.25
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	14	1.08	0.54	0.82
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	14	1.08	0.54	0.82
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	14	1.08	0.54	0.82
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	14	1.0	0.55	0.99
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	14	0.63	0.26	0.62
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	14	0.63	0.26	0.62
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	14	0.63	0.26	0.62
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	14	0.62	0.35	0.5
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	14	0.62	0.35	0.5
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	14	0.62	0.35	0.5
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	14	0.62	0.35	0.5
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	14	0.62	0.35	0.5
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	14	0.62	0.35	0.5
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	14	0.62	0.35	0.5
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	14	0.62	0.35	0.5
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	14	0.62	0.35	0.5
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	14	0.62	0.35	0.5
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	14	0.62	0.35	0.5
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	14	0.62	0.35	0.5
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	14	0.57	0.63	0.21

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	14	0.57	0.63	0.21
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	14	0.57	0.63	0.21
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	14	0.5	0.16	0.5
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	14	0.5	0.16	0.5
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	14	0.5	0.16	0.5
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	14	0.48	0.2	0.45
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	14	0.48	0.2	0.45
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	14	0.48	0.2	0.45
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	14	0.41	0.29	0.34
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	14	0.41	0.29	0.34
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	14	0.41	0.29	0.34
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	14	0.41	0.29	0.34
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	14	0.41	0.29	0.34
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	14	0.41	0.29	0.34
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	14	0.41	0.29	0.34
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	14	0.41	0.29	0.34
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	14	0.41	0.29	0.34
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	14	0.41	0.17	0.34
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	14	0.41	0.17	0.34
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	14	0.41	0.17	0.34
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	14	0.38	0.22	0.31
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	14	0.38	0.22	0.31
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	14	0.38	0.22	0.31
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	14	0.38	0.18	0.34
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	14	0.38	0.18	0.34
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	14	0.38	0.18	0.34
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	14	0.31	0.11	0.28
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	14	0.31	0.11	0.28
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	14	0.31	0.11	0.28
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	14	0.31	0.11	0.28
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	14	0.31	0.11	0.28
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	14	0.31	0.11	0.28
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	14	0.31	0.11	0.28

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	14	0.25	0.1	0.22
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	14	0.25	0.1	0.22
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	14	0.25	0.1	0.22
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	14	0.22	0.05	0.22
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	14	0.14	0.03	0.14
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	14	0.14	0.03	0.14
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	14	0.14	0.03	0.14
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	13	2.59	0.94	2.97
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	13	2.59	0.94	2.97
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	13	2.59	0.94	2.97
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	13	2.59	0.94	2.97
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	13	2.59	0.94	2.97
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	13	2.59	0.94	2.97
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	13	1.88	1.01	1.86
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	13	1.88	1.01	1.86
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	13	1.88	1.01	1.86
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	13	1.53	0.24	1.54
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	13	1.53	0.24	1.54
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	13	1.53	0.24	1.54
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	13	1.53	0.24	1.54
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	13	1.53	0.24	1.54
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	13	1.53	0.24	1.54
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	13	1.27	0.77	1.14
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	13	1.27	0.77	1.14
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	13	1.27	0.77	1.14
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	13	1.2	0.75	0.91
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	13	1.2	0.75	0.91
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	13	1.2	0.75	0.91
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	13	1.2	0.75	0.91
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	13	1.2	0.75	0.91
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	13	1.2	0.75	0.91
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	13	1.12	0.59	1.34
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	13	1.11	0.37	1.15
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	13	1.11	0.37	1.15
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	13	1.11	0.37	1.15
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	13	0.96	0.52	1.2
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	13	0.96	0.52	1.2
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	13	0.96	0.52	1.2
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	13	0.96	0.52	1.2
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	13	0.9	0.72	0.6
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	13	0.9	0.72	0.6
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	13	0.81	0.39	0.68

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	13	0.81	0.39	0.68
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	13	0.81	0.39	0.68
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	13	0.81	0.39	0.68
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	13	0.81	0.39	0.68
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	13	0.81	0.39	0.68
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	13	0.8	0.39	0.85
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	13	0.8	0.39	0.85
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	13	0.8	0.39	0.85
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	13	0.8	0.39	0.85
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	13	0.8	0.39	0.85
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	13	0.8	0.39	0.85
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	13	0.68	0.19	0.7
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	13	0.68	0.19	0.7
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	13	0.68	0.19	0.7
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	13	0.66	0.42	0.41
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	13	0.66	0.42	0.41
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	13	0.66	0.42	0.41
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	13	0.66	0.42	0.41
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	13	0.66	0.42	0.41
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	13	0.66	0.42	0.41
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	13	0.64	0.37	0.51
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	13	0.64	0.37	0.51
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	13	0.64	0.37	0.51
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	13	0.64	0.35	0.47
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	13	0.64	0.35	0.47
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	13	0.64	0.35	0.47
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	13	0.64	0.29	0.52
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	13	0.64	0.42	0.52
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	13	0.64	0.42	0.52
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	13	0.64	0.42	0.52
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	13	0.64	0.42	0.52
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	13	0.64	0.42	0.52
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	13	0.64	0.42	0.52
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	13	0.61	0.24	0.52

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	13	0.61	0.24	0.52
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	13	0.61	0.24	0.52
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	13	0.6	0.04	0.62
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	13	0.6	0.04	0.62
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	13	0.6	0.04	0.62
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	13	0.53	0.23	0.57
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	13	0.53	0.23	0.57
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	13	0.44	0.06	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	13	0.44	0.06	0.47
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	13	0.42	0.23	0.29
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	13	0.42	0.23	0.29
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	13	0.37	0.21	0.31
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	13	0.37	0.21	0.31
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	13	0.37	0.21	0.31
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	13	0.36	0.15	0.34
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	13	0.34	0.18	0.33
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	13	0.34	0.18	0.33
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	13	0.34	0.18	0.33
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	13	0.34	0.18	0.33

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	13	0.34	0.18	0.33
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	13	0.34	0.18	0.33
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	13	0.26	0.1	0.24
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	13	0.26	0.1	0.24
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	13	0.26	0.1	0.24
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	13	0.26	0.1	0.24
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	13	0.26	0.1	0.24
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	13	0.26	0.1	0.24
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	13	0.26	0.1	0.24
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	13	0.24	0.09	0.25
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	13	0.24	0.09	0.25
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	13	0.24	0.09	0.25
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	13	0.24	0.09	0.25
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	13	0.24	0.09	0.25
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	13	0.24	0.09	0.25
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	13	0.16	0.04	0.14
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	13	0.16	0.04	0.14
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	13	0.16	0.04	0.14
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	13	0.16	0.04	0.14
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	13	0.16	0.04	0.14
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	13	0.16	0.04	0.14
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	13	0.16	0.04	0.14
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	13	0.16	0.04	0.14
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	13	0.16	0.04	0.14
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	13	0.14	0.03	0.13
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	13	0.12	0.01	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	13	0.12	0.01	0.12
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	13	0.12	0.01	0.12
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	13	0.12	0.01	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	13	0.12	0.01	0.12
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	13	0.12	0.01	0.12
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	13	0.11	0.0	0.11
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	12	2.56	1.34	2.56
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	12	2.56	1.34	2.56
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	12	1.11	1.2	0.81
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	12	1.11	1.2	0.81
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	12	1.11	1.2	0.81
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	12	1.06	0.28	1.03
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	12	1.06	0.28	1.03
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	12	1.06	0.28	1.03
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	12	0.85	0.41	0.8
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	12	0.85	0.41	0.8

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	12	0.85	0.41	0.8
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	12	0.85	0.41	0.8
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	12	0.8	0.23	0.74
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	12	0.8	0.23	0.74
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	12	0.75	0.59	0.46
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	12	0.7	0.54	0.52
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	12	0.7	0.54	0.52
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	12	0.7	0.54	0.52
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	12	0.69	0.29	0.7
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	12	0.69	0.29	0.7
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	12	0.69	0.29	0.7
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	12	0.69	0.29	0.7
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	12	0.69	0.29	0.7
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	12	0.69	0.29	0.7
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	12	0.69	0.29	0.7
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	12	0.69	0.29	0.7
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	12	0.69	0.29	0.7
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	12	0.69	0.29	0.7
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	12	0.69	0.29	0.7
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	12	0.69	0.29	0.7
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	12	0.68	0.28	0.58
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	12	0.68	0.28	0.58
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	12	0.61	0.23	0.66
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	12	0.61	0.23	0.66
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	12	0.61	0.23	0.66
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	12	0.61	0.23	0.66
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	12	0.61	0.23	0.66
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	12	0.61	0.23	0.66
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	12	0.61	0.23	0.66
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	12	0.61	0.23	0.66
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	12	0.61	0.23	0.66
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	12	0.5	0.21	0.51
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	12	0.5	0.21	0.51
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	12	0.5	0.21	0.51
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	12	0.5	0.21	0.51
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	12	0.5	0.21	0.51
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	12	0.5	0.21	0.51
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	12	0.5	0.21	0.51
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	12	0.5	0.21	0.51
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	12	0.46	0.13	0.5
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	12	0.46	0.13	0.5
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	12	0.46	0.13	0.5

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	12	0.44	0.33	0.34
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	12	0.44	0.33	0.34
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	12	0.44	0.33	0.34
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	12	0.44	0.33	0.34
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	12	0.44	0.33	0.34
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	12	0.44	0.33	0.34
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	12	0.44	0.33	0.34
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	12	0.44	0.33	0.34
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	12	0.44	0.33	0.34
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	12	0.41	0.16	0.4
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	12	0.41	0.16	0.4
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	12	0.41	0.16	0.4
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	12	0.41	0.27	0.28
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	12	0.41	0.27	0.28
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	12	0.41	0.27	0.28
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	12	0.41	0.27	0.28
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	12	0.41	0.27	0.28
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	12	0.41	0.27	0.28
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	12	0.32	0.14	0.32
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	12	0.32	0.14	0.32
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	12	0.32	0.14	0.32
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	12	0.32	0.14	0.32
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	12	0.32	0.14	0.32
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	12	0.32	0.14	0.32
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	12	0.3	0.12	0.26
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	12	0.3	0.12	0.26
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	12	0.3	0.12	0.26
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	12	0.3	0.2	0.26
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	12	0.3	0.2	0.26
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	12	0.3	0.2	0.26
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	12	0.3	0.2	0.26
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	12	0.3	0.2	0.26
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	12	0.3	0.2	0.26
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	12	0.3	0.2	0.26
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	12	0.3	0.2	0.26
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	12	0.3	0.2	0.26
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	12	0.28	0.13	0.32
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	12	0.28	0.13	0.32
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	12	0.28	0.13	0.32
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	12	0.28	0.13	0.32
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	12	0.28	0.13	0.32
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	12	0.28	0.13	0.32

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	12	0.28	0.13	0.32
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	12	0.28	0.13	0.32
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	12	0.28	0.13	0.32
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	12	0.24	0.08	0.22
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	12	0.23	0.04	0.24
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	12	0.23	0.04	0.24
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	12	0.23	0.04	0.24
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	12	0.22	0.08	0.22
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	12	0.13	0.02	0.12
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	11	1.24	0.25	1.23
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	11	1.24	0.25	1.23
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	11	1.24	0.25	1.23
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	11	0.93	0.38	1.0
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	11	0.9	0.04	0.9
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	11	0.9	0.04	0.9
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	11	0.9	0.04	0.9
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	11	0.79	0.13	0.79
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	11	0.79	0.13	0.79
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	11	0.79	0.13	0.79
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	11	0.71	0.07	0.69
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	11	0.65	0.41	0.49
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	11	0.65	0.41	0.49
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	11	0.65	0.41	0.49
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	11	0.65	0.41	0.49
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	11	0.65	0.41	0.49
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	11	0.65	0.41	0.49
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	11	0.65	0.41	0.49
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	11	0.65	0.41	0.49
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	11	0.65	0.41	0.49
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	11	0.64	0.34	0.59
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	11	0.64	0.34	0.59
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	11	0.64	0.34	0.59
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	11	0.52	0.07	0.52
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	11	0.52	0.07	0.52
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	11	0.52	0.07	0.52
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	11	0.52	0.07	0.52
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	11	0.52	0.07	0.52
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	11	0.52	0.07	0.52
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	11	0.51	0.21	0.6
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	11	0.51	0.21	0.6
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	11	0.51	0.21	0.6
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	11	0.51	0.21	0.6

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	11	0.51	0.21	0.6
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	11	0.51	0.21	0.6
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	11	0.51	0.48	0.33
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	11	0.51	0.48	0.33
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	11	0.51	0.48	0.33
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	11	0.51	0.48	0.33
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	11	0.48	0.16	0.39
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	11	0.48	0.16	0.39
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	11	0.48	0.16	0.39
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	11	0.48	0.16	0.39
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	11	0.48	0.16	0.39
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	11	0.48	0.16	0.39
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	11	0.45	0.24	0.38
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	11	0.45	0.24	0.38
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	11	0.41	0.24	0.38
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	11	0.41	0.24	0.38
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	11	0.41	0.24	0.38
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	11	0.41	0.24	0.38
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	11	0.41	0.24	0.38
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	11	0.41	0.24	0.38
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	11	0.41	0.24	0.38
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	11	0.41	0.24	0.38
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	11	0.41	0.24	0.38
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	11	0.41	0.18	0.39
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	11	0.41	0.18	0.39
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	11	0.41	0.18	0.39
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	11	0.41	0.18	0.39
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	11	0.41	0.18	0.39
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	11	0.41	0.18	0.39
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	11	0.41	0.2	0.42
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	11	0.41	0.2	0.42
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	11	0.41	0.2	0.42
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	11	0.4	0.13	0.43
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	11	0.4	0.13	0.43
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	11	0.4	0.13	0.43
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	11	0.4	0.13	0.43
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	11	0.4	0.13	0.43
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	11	0.4	0.13	0.43
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	11	0.4	0.13	0.43
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	11	0.4	0.13	0.43
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	11	0.4	0.13	0.43
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	11	0.35	0.35	0.19

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	11	0.35	0.35	0.19
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	11	0.35	0.35	0.19
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	11	0.35	0.35	0.19
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	11	0.35	0.35	0.19
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	11	0.35	0.35	0.19
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	11	0.27	0.11	0.23
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	11	0.27	0.11	0.23
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	11	0.27	0.11	0.23
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	11	0.26	0.07	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	11	0.26	0.07	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	11	0.26	0.07	0.22
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	11	0.26	0.07	0.22
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	11	0.26	0.07	0.22
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	11	0.26	0.07	0.22
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	11	0.26	0.06	0.28
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	11	0.26	0.06	0.28
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	11	0.26	0.06	0.28
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	11	0.26	0.13	0.23
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	11	0.26	0.13	0.23
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	11	0.26	0.13	0.23
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	11	0.23	0.06	0.22
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	11	0.19	0.05	0.19
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	11	0.18	0.05	0.15
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	11	0.18	0.05	0.15
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	11	0.18	0.05	0.15
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	11	0.18	0.05	0.15
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	11	0.16	0.03	0.16
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	11	0.16	0.03	0.16
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	11	0.16	0.03	0.16
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	11	0.16	0.03	0.16
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	11	0.16	0.03	0.16
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	11	0.16	0.03	0.16
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	11	0.16	0.04	0.15
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	11	0.16	0.04	0.15
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	11	0.12	0.01	0.12
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	11	0.12	0.01	0.12
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	11	0.12	0.01	0.12
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD11	10	1.18	0.13	1.19
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD12	10	1.18	0.13	1.19
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD13	10	1.18	0.13	1.19
(3,1248)	1:B:89:GLU:HB2	1:B:90:GLU:HG3	10	1.12	0.29	1.18
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG3	10	1.12	0.29	1.18

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG2	10	1.12	0.29	1.18
(3,1171)	1:B:74:VAL:HG11	1:B:76:TRP:HE1	10	0.95	0.34	0.92
(3,1171)	1:B:74:VAL:HG12	1:B:76:TRP:HE1	10	0.95	0.34	0.92
(3,1171)	1:B:74:VAL:HG13	1:B:76:TRP:HE1	10	0.95	0.34	0.92
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD11	10	0.95	0.34	0.92
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD12	10	0.95	0.34	0.92
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD13	10	0.95	0.34	0.92
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD11	10	0.95	0.34	0.92
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD12	10	0.95	0.34	0.92
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD13	10	0.95	0.34	0.92
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD11	10	0.95	0.34	0.92
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD12	10	0.95	0.34	0.92
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD13	10	0.95	0.34	0.92
(3,1821)	1:B:129:GLU:HG3	1:B:128:ARG:HD3	10	0.89	0.23	0.91
(3,1821)	1:B:129:GLU:HG2	1:B:127:ARG:HD2	10	0.89	0.23	0.91
(3,1821)	1:B:129:GLU:HG3	1:B:127:ARG:HD2	10	0.89	0.23	0.91
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG11	10	0.78	0.45	0.76
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG12	10	0.78	0.45	0.76
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG13	10	0.78	0.45	0.76
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG21	10	0.78	0.45	0.76
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG22	10	0.78	0.45	0.76
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG23	10	0.78	0.45	0.76
(1,2710)	1:B:87:LEU:HD11	1:B:104:ASN:HB2	10	0.72	0.48	0.59
(1,2710)	1:B:87:LEU:HD12	1:B:104:ASN:HB2	10	0.72	0.48	0.59
(1,2710)	1:B:87:LEU:HD13	1:B:104:ASN:HB2	10	0.72	0.48	0.59
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD21	10	0.65	0.11	0.61
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD22	10	0.65	0.11	0.61
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD23	10	0.65	0.11	0.61
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG11	10	0.65	0.11	0.61
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG12	10	0.65	0.11	0.61
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG13	10	0.65	0.11	0.61
(3,890)	1:B:37:LEU:HB3	1:B:36:ILE:HA	10	0.62	0.03	0.63
(3,890)	1:B:37:LEU:HB3	1:B:54:LEU:HA	10	0.62	0.03	0.63
(1,2759)	1:B:88:PHE:HZ	1:B:89:GLU:HG3	10	0.55	0.64	0.14
(1,1224)	1:B:87:LEU:HD11	1:B:101:ILE:HA	10	0.48	0.2	0.55
(1,1224)	1:B:87:LEU:HD12	1:B:101:ILE:HA	10	0.48	0.2	0.55
(1,1224)	1:B:87:LEU:HD13	1:B:101:ILE:HA	10	0.48	0.2	0.55
(1,449)	1:B:68:ARG:H	1:B:67:GLN:HB3	10	0.48	0.2	0.44
(3,1321)	1:B:37:LEU:HD21	1:B:34:GLU:H	10	0.47	0.36	0.35
(3,1321)	1:B:37:LEU:HD22	1:B:34:GLU:H	10	0.47	0.36	0.35
(3,1321)	1:B:37:LEU:HD23	1:B:34:GLU:H	10	0.47	0.36	0.35
(3,1321)	1:B:37:LEU:HD21	1:B:33:VAL:H	10	0.47	0.36	0.35

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1321)	1:B:37:LEU:HD22	1:B:33:VAL:H	10	0.47	0.36	0.35
(3,1321)	1:B:37:LEU:HD23	1:B:33:VAL:H	10	0.47	0.36	0.35
(1,2031)	1:B:57:MET:HE1	1:B:57:MET:HA	10	0.4	0.1	0.46
(1,2031)	1:B:57:MET:HE2	1:B:57:MET:HA	10	0.4	0.1	0.46
(1,2031)	1:B:57:MET:HE3	1:B:57:MET:HA	10	0.4	0.1	0.46
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG3	10	0.38	0.17	0.36
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG2	10	0.38	0.17	0.36
(3,439)	1:B:14:GLU:HB3	1:B:17:LEU:HG	10	0.38	0.17	0.36
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG11	10	0.38	0.19	0.33
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG12	10	0.38	0.19	0.33
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG13	10	0.38	0.19	0.33
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD21	10	0.36	0.17	0.32
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD22	10	0.36	0.17	0.32
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD23	10	0.36	0.17	0.32
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD21	10	0.36	0.17	0.32
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD22	10	0.36	0.17	0.32
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD23	10	0.36	0.17	0.32
(1,1734)	1:B:85:GLN:HG3	1:B:88:PHE:HB3	10	0.35	0.15	0.34
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD21	10	0.31	0.2	0.22
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD22	10	0.31	0.2	0.22
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD23	10	0.31	0.2	0.22
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD21	10	0.31	0.2	0.22
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD22	10	0.31	0.2	0.22
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD23	10	0.31	0.2	0.22
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD21	10	0.31	0.2	0.22
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD22	10	0.31	0.2	0.22
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD23	10	0.31	0.2	0.22
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG11	10	0.31	0.2	0.22
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG12	10	0.31	0.2	0.22
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG13	10	0.31	0.2	0.22
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD21	10	0.31	0.2	0.22
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD22	10	0.31	0.2	0.22
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD23	10	0.31	0.2	0.22
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG11	10	0.31	0.2	0.22
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG12	10	0.31	0.2	0.22
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG13	10	0.31	0.2	0.22
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD3	10	0.3	0.07	0.32
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD2	10	0.3	0.07	0.32
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD2	10	0.3	0.07	0.32
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD3	10	0.3	0.07	0.32
(1,54)	1:B:13:GLU:H	1:B:12:GLU:HB3	10	0.3	0.11	0.31
(1,1081)	1:B:124:VAL:HG21	1:B:126:GLU:H	10	0.29	0.12	0.28

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1081)	1:B:124:VAL:HG22	1:B:126:GLU:H	10	0.29	0.12	0.28
(1,1081)	1:B:124:VAL:HG23	1:B:126:GLU:H	10	0.29	0.12	0.28
(1,2380)	1:B:37:LEU:HB3	1:B:37:LEU:H	10	0.29	0.02	0.3
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD11	10	0.28	0.12	0.32
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD12	10	0.28	0.12	0.32
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD13	10	0.28	0.12	0.32
(3,541)	1:B:124:VAL:HG21	1:B:126:GLU:HG3	10	0.26	0.1	0.23
(3,541)	1:B:124:VAL:HG22	1:B:126:GLU:HG3	10	0.26	0.1	0.23
(3,541)	1:B:124:VAL:HG23	1:B:126:GLU:HG3	10	0.26	0.1	0.23
(3,541)	1:B:124:VAL:HG21	1:B:129:GLU:HB3	10	0.26	0.1	0.23
(3,541)	1:B:124:VAL:HG22	1:B:129:GLU:HB3	10	0.26	0.1	0.23
(3,541)	1:B:124:VAL:HG23	1:B:129:GLU:HB3	10	0.26	0.1	0.23
(3,541)	1:B:124:VAL:HG21	1:B:115:VAL:HB	10	0.26	0.1	0.23
(3,541)	1:B:124:VAL:HG22	1:B:115:VAL:HB	10	0.26	0.1	0.23
(3,541)	1:B:124:VAL:HG23	1:B:115:VAL:HB	10	0.26	0.1	0.23
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG21	10	0.22	0.11	0.15
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG22	10	0.22	0.11	0.15
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG23	10	0.22	0.11	0.15
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD11	10	0.22	0.11	0.15
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD12	10	0.22	0.11	0.15
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD13	10	0.22	0.11	0.15
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB1	10	0.2	0.05	0.2
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB2	10	0.2	0.05	0.2
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB3	10	0.2	0.05	0.2
(3,504)	1:B:13:GLU:HG3	1:B:40:LEU:HB3	10	0.2	0.05	0.2
(3,504)	1:B:13:GLU:HG3	1:B:17:LEU:HG	10	0.2	0.05	0.2
(3,504)	1:B:13:GLU:HG2	1:B:40:LEU:HB3	10	0.2	0.05	0.2
(3,504)	1:B:13:GLU:HG2	1:B:45:ARG:HG2	10	0.2	0.05	0.2
(3,504)	1:B:13:GLU:HG3	1:B:45:ARG:HG2	10	0.2	0.05	0.2
(3,504)	1:B:13:GLU:HG2	1:B:17:LEU:HG	10	0.2	0.05	0.2
(3,77)	1:B:37:LEU:H	1:B:37:LEU:HB3	10	0.17	0.02	0.18
(3,77)	1:B:37:LEU:H	1:B:47:ARG:HB3	10	0.17	0.02	0.18
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB3	10	0.16	0.05	0.16
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB3	10	0.16	0.05	0.16
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB3	10	0.16	0.05	0.16
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB2	10	0.16	0.05	0.16
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB2	10	0.16	0.05	0.16
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB2	10	0.16	0.05	0.16
(3,825)	1:B:105:ILE:HG21	1:B:111:ARG:HG2	10	0.16	0.05	0.16
(3,825)	1:B:105:ILE:HG22	1:B:111:ARG:HG2	10	0.16	0.05	0.16
(3,825)	1:B:105:ILE:HG23	1:B:111:ARG:HG2	10	0.16	0.05	0.16
(1,1137)	1:B:121:LEU:HD11	1:B:121:LEU:HB3	10	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1137)	1:B:121:LEU:HD12	1:B:121:LEU:HB3	10	0.11	0.0	0.11
(1,1137)	1:B:121:LEU:HD13	1:B:121:LEU:HB3	10	0.11	0.0	0.11
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG21	9	1.03	0.41	1.1
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG22	9	1.03	0.41	1.1
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG23	9	1.03	0.41	1.1
(1,1947)	1:B:62:SER:HB3	1:B:65:ASP:HB3	9	0.95	0.53	1.3
(3,97)	1:B:108:LYS:H	1:B:108:LYS:HG2	9	0.79	0.09	0.78
(3,97)	1:B:50:ILE:H	1:B:45:ARG:HG2	9	0.79	0.09	0.78
(1,1388)	1:B:106:THR:HG21	1:B:80:GLN:HG2	9	0.58	0.34	0.5
(1,1388)	1:B:106:THR:HG22	1:B:80:GLN:HG2	9	0.58	0.34	0.5
(1,1388)	1:B:106:THR:HG23	1:B:80:GLN:HG2	9	0.58	0.34	0.5
(1,1271)	1:B:114:ILE:HG12	1:B:76:TRP:HH2	9	0.57	0.38	0.5
(1,2619)	1:B:11:PRO:HA	1:B:14:GLU:HB2	9	0.54	0.18	0.49
(1,2294)	1:B:43:VAL:HG11	1:B:44:PRO:HD2	9	0.43	0.18	0.46
(1,2294)	1:B:43:VAL:HG12	1:B:44:PRO:HD2	9	0.43	0.18	0.46
(1,2294)	1:B:43:VAL:HG13	1:B:44:PRO:HD2	9	0.43	0.18	0.46
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE1	9	0.41	0.19	0.37
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE2	9	0.41	0.19	0.37
(3,1569)	1:B:40:LEU:HB2	1:B:37:LEU:HA	9	0.38	0.23	0.27
(3,1569)	1:B:40:LEU:HB2	1:B:17:LEU:HA	9	0.38	0.23	0.27
(1,2751)	1:B:108:LYS:HG2	1:B:108:LYS:H	9	0.37	0.08	0.39
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD3	9	0.34	0.25	0.25
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD2	9	0.34	0.25	0.25
(1,1178)	1:B:119:LEU:HG	1:B:126:GLU:H	9	0.33	0.1	0.3
(3,722)	1:B:27:VAL:HG11	1:B:30:GLN:HE21	9	0.33	0.15	0.26
(3,722)	1:B:27:VAL:HG12	1:B:30:GLN:HE21	9	0.33	0.15	0.26
(3,722)	1:B:27:VAL:HG13	1:B:30:GLN:HE21	9	0.33	0.15	0.26
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE1	9	0.33	0.15	0.26
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE2	9	0.33	0.15	0.26
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE1	9	0.33	0.15	0.26
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE2	9	0.33	0.15	0.26
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE1	9	0.33	0.15	0.26
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE2	9	0.33	0.15	0.26
(3,1063)	1:B:85:GLN:HG2	1:B:86:ARG:HG3	9	0.31	0.11	0.34
(3,1063)	1:B:85:GLN:HG2	1:B:82:LEU:HB3	9	0.31	0.11	0.34
(3,1770)	1:B:17:LEU:HD21	1:B:14:GLU:HB2	9	0.3	0.14	0.28
(3,1770)	1:B:17:LEU:HD22	1:B:14:GLU:HB2	9	0.3	0.14	0.28
(3,1770)	1:B:17:LEU:HD23	1:B:14:GLU:HB2	9	0.3	0.14	0.28
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG3	9	0.3	0.14	0.28
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG3	9	0.3	0.14	0.28
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG3	9	0.3	0.14	0.28
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG2	9	0.3	0.14	0.28

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG2	9	0.3	0.14	0.28
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG2	9	0.3	0.14	0.28
(3,1770)	1:B:17:LEU:HD21	1:B:33:VAL:HB	9	0.3	0.14	0.28
(3,1770)	1:B:17:LEU:HD22	1:B:33:VAL:HB	9	0.3	0.14	0.28
(3,1770)	1:B:17:LEU:HD23	1:B:33:VAL:HB	9	0.3	0.14	0.28
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HB	9	0.26	0.12	0.22
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HG13	9	0.26	0.12	0.22
(3,1361)	1:B:55:VAL:HG11	1:B:52:HIS:HB2	9	0.25	0.1	0.21
(3,1361)	1:B:55:VAL:HG12	1:B:52:HIS:HB2	9	0.25	0.1	0.21
(3,1361)	1:B:55:VAL:HG13	1:B:52:HIS:HB2	9	0.25	0.1	0.21
(3,1361)	1:B:74:VAL:HG11	1:B:127:ARG:HD3	9	0.25	0.1	0.21
(3,1361)	1:B:74:VAL:HG12	1:B:127:ARG:HD3	9	0.25	0.1	0.21
(3,1361)	1:B:74:VAL:HG13	1:B:127:ARG:HD3	9	0.25	0.1	0.21
(1,2638)	1:B:10:SER:HB3	1:B:11:PRO:HG3	9	0.22	0.07	0.21
(1,1914)	1:B:64:LYS:HD2	1:B:64:LYS:HA	9	0.22	0.07	0.25
(1,1914)	1:B:64:LYS:HD3	1:B:64:LYS:HA	9	0.22	0.07	0.25
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD21	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD22	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD23	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD21	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD22	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD23	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD21	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD22	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD23	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD11	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD12	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD13	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD11	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD12	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD13	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD11	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD12	9	0.18	0.03	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD13	9	0.18	0.03	0.18
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD1	9	0.17	0.04	0.17
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD2	9	0.17	0.04	0.17
(1,888)	1:B:75:LEU:HD21	1:B:75:LEU:HA	9	0.16	0.07	0.14
(1,888)	1:B:75:LEU:HD22	1:B:75:LEU:HA	9	0.16	0.07	0.14
(1,888)	1:B:75:LEU:HD23	1:B:75:LEU:HA	9	0.16	0.07	0.14
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD2	8	1.31	0.56	1.46
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD3	8	1.31	0.56	1.46
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB2	8	0.66	0.37	0.63

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB2	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB2	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG21	1:B:114:ILE:HB	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG22	1:B:114:ILE:HB	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG23	1:B:114:ILE:HB	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB3	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB3	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB3	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG21	1:B:113:ARG:HB3	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG22	1:B:113:ARG:HB3	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG23	1:B:113:ARG:HB3	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HG3	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HG3	8	0.66	0.37	0.63
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HG3	8	0.66	0.37	0.63
(1,1558)	1:B:92:ARG:HD2	1:B:89:GLU:HB2	8	0.64	0.49	0.52
(1,897)	1:B:33:VAL:HG11	1:B:51:ILE:HA	8	0.56	0.1	0.54
(1,897)	1:B:33:VAL:HG12	1:B:51:ILE:HA	8	0.56	0.1	0.54
(1,897)	1:B:33:VAL:HG13	1:B:51:ILE:HA	8	0.56	0.1	0.54
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD11	8	0.53	0.41	0.36
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD12	8	0.53	0.41	0.36
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD13	8	0.53	0.41	0.36
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD11	8	0.53	0.41	0.36
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD12	8	0.53	0.41	0.36
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD13	8	0.53	0.41	0.36
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG21	8	0.52	0.11	0.5
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG22	8	0.52	0.11	0.5
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG23	8	0.52	0.11	0.5
(1,2197)	1:B:49:GLN:HG2	1:B:45:ARG:HG3	8	0.5	0.26	0.47
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB1	8	0.48	0.34	0.42
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB2	8	0.48	0.34	0.42
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB3	8	0.48	0.34	0.42
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG11	8	0.48	0.2	0.41
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG12	8	0.48	0.2	0.41
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG13	8	0.48	0.2	0.41
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB2	8	0.45	0.23	0.51
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB3	8	0.45	0.23	0.51
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB2	8	0.45	0.23	0.51
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB3	8	0.45	0.23	0.51
(3,479)	1:B:131:TYR:HB3	1:B:128:ARG:HB2	8	0.45	0.23	0.51
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD21	8	0.45	0.28	0.4
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD22	8	0.45	0.28	0.4
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD23	8	0.45	0.28	0.4

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD21	8	0.45	0.28	0.4
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD22	8	0.45	0.28	0.4
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD23	8	0.45	0.28	0.4
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD21	8	0.45	0.28	0.4
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD22	8	0.45	0.28	0.4
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD23	8	0.45	0.28	0.4
(1,1286)	1:B:114:ILE:HD11	1:B:109:ARG:HD2	8	0.44	0.23	0.41
(1,1286)	1:B:114:ILE:HD12	1:B:109:ARG:HD2	8	0.44	0.23	0.41
(1,1286)	1:B:114:ILE:HD13	1:B:109:ARG:HD2	8	0.44	0.23	0.41
(3,1234)	1:B:46:THR:HG21	1:B:47:ARG:HD3	8	0.43	0.23	0.5
(3,1234)	1:B:46:THR:HG22	1:B:47:ARG:HD3	8	0.43	0.23	0.5
(3,1234)	1:B:46:THR:HG23	1:B:47:ARG:HD3	8	0.43	0.23	0.5
(3,1234)	1:B:46:THR:HG21	1:B:52:HIS:HB2	8	0.43	0.23	0.5
(3,1234)	1:B:46:THR:HG22	1:B:52:HIS:HB2	8	0.43	0.23	0.5
(3,1234)	1:B:46:THR:HG23	1:B:52:HIS:HB2	8	0.43	0.23	0.5
(1,1246)	1:B:87:LEU:HD11	1:B:104:ASN:H	8	0.39	0.11	0.43
(1,1246)	1:B:87:LEU:HD12	1:B:104:ASN:H	8	0.39	0.11	0.43
(1,1246)	1:B:87:LEU:HD13	1:B:104:ASN:H	8	0.39	0.11	0.43
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD11	8	0.37	0.19	0.44
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD12	8	0.37	0.19	0.44
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD13	8	0.37	0.19	0.44
(3,863)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	8	0.36	0.37	0.22
(3,863)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	8	0.36	0.37	0.22
(3,863)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	8	0.36	0.37	0.22
(3,863)	1:B:36:ILE:HD11	1:B:54:LEU:HG	8	0.36	0.37	0.22
(3,863)	1:B:36:ILE:HD12	1:B:54:LEU:HG	8	0.36	0.37	0.22
(3,863)	1:B:36:ILE:HD13	1:B:54:LEU:HG	8	0.36	0.37	0.22
(3,863)	1:B:105:ILE:HD11	1:B:109:ARG:HB2	8	0.36	0.37	0.22
(3,863)	1:B:105:ILE:HD12	1:B:109:ARG:HB2	8	0.36	0.37	0.22
(3,863)	1:B:105:ILE:HD13	1:B:109:ARG:HB2	8	0.36	0.37	0.22
(3,863)	1:B:101:ILE:HD11	1:B:111:ARG:HG2	8	0.36	0.37	0.22
(3,863)	1:B:101:ILE:HD12	1:B:111:ARG:HG2	8	0.36	0.37	0.22
(3,863)	1:B:101:ILE:HD13	1:B:111:ARG:HG2	8	0.36	0.37	0.22
(3,232)	1:B:104:ASN:H	1:B:87:LEU:HB3	8	0.34	0.15	0.3
(3,232)	1:B:104:ASN:H	1:B:105:ILE:HG12	8	0.34	0.15	0.3
(3,1528)	1:B:46:THR:HB	1:B:45:ARG:HG2	8	0.34	0.19	0.3
(3,1528)	1:B:46:THR:HB	1:B:48:LYS:HG3	8	0.34	0.19	0.3
(3,897)	1:B:98:LEU:HD21	1:B:101:ILE:HB	8	0.34	0.27	0.22
(3,897)	1:B:98:LEU:HD22	1:B:101:ILE:HB	8	0.34	0.27	0.22
(3,897)	1:B:98:LEU:HD23	1:B:101:ILE:HB	8	0.34	0.27	0.22
(3,897)	1:B:98:LEU:HD21	1:B:118:LEU:HB2	8	0.34	0.27	0.22
(3,897)	1:B:98:LEU:HD22	1:B:118:LEU:HB2	8	0.34	0.27	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,897)	1:B:98:LEU:HD23	1:B:118:LEU:HB2	8	0.34	0.27	0.22
(3,1756)	1:B:18:ARG:HD3	1:B:18:ARG:HB3	8	0.29	0.02	0.29
(3,1756)	1:B:18:ARG:HD3	1:B:22:LEU:HG	8	0.29	0.02	0.29
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE2	8	0.28	0.06	0.26
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE2	8	0.28	0.06	0.26
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE2	8	0.28	0.06	0.26
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE3	8	0.28	0.06	0.26
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE3	8	0.28	0.06	0.26
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE3	8	0.28	0.06	0.26
(1,2296)	1:B:43:VAL:HG21	1:B:44:PRO:HD2	8	0.27	0.09	0.27
(1,2296)	1:B:43:VAL:HG22	1:B:44:PRO:HD2	8	0.27	0.09	0.27
(1,2296)	1:B:43:VAL:HG23	1:B:44:PRO:HD2	8	0.27	0.09	0.27
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD11	8	0.25	0.21	0.15
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD12	8	0.25	0.21	0.15
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD13	8	0.25	0.21	0.15
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG21	8	0.25	0.21	0.15
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG22	8	0.25	0.21	0.15
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG23	8	0.25	0.21	0.15
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG21	8	0.25	0.21	0.15
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG22	8	0.25	0.21	0.15
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG23	8	0.25	0.21	0.15
(3,1565)	1:B:40:LEU:HB2	1:B:41:ASN:HB3	8	0.24	0.09	0.26
(3,1565)	1:B:40:LEU:HB2	1:B:45:ARG:HD3	8	0.24	0.09	0.26
(3,1565)	1:B:22:LEU:HB2	1:B:26:ASP:HB2	8	0.24	0.09	0.26
(3,1565)	1:B:40:LEU:HB2	1:B:53:HIS:HB3	8	0.24	0.09	0.26
(1,1511)	1:B:37:LEU:HB3	1:B:36:ILE:H	8	0.24	0.06	0.24
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG2	8	0.23	0.05	0.22
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG3	8	0.23	0.05	0.22
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG3	8	0.16	0.05	0.14
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG2	8	0.16	0.05	0.14
(1,1444)	1:B:102:MET:HG2	1:B:102:MET:H	8	0.14	0.03	0.12
(3,325)	1:B:141:SER:H	1:B:124:VAL:HB	7	1.47	1.34	0.75
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB3	7	1.47	1.34	0.75
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB2	7	1.47	1.34	0.75
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HG	7	1.19	0.42	1.35
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HG	7	1.19	0.42	1.35
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB2	7	1.19	0.42	1.35
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB2	7	1.19	0.42	1.35
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB3	7	1.19	0.42	1.35
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB3	7	1.19	0.42	1.35
(3,335)	1:B:141:SER:HB2	1:B:130:LEU:HG	7	1.19	0.42	1.35
(1,1566)	1:B:92:ARG:HG2	1:B:93:ASP:HB3	7	1.08	0.5	1.3

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG21	7	0.87	0.04	0.88
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG22	7	0.87	0.04	0.88
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG23	7	0.87	0.04	0.88
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG21	7	0.87	0.04	0.88
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG22	7	0.87	0.04	0.88
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG23	7	0.87	0.04	0.88
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG21	7	0.87	0.04	0.88
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG22	7	0.87	0.04	0.88
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG23	7	0.87	0.04	0.88
(1,2302)	1:B:43:VAL:HG21	1:B:43:VAL:H	7	0.79	0.1	0.82
(1,2302)	1:B:43:VAL:HG22	1:B:43:VAL:H	7	0.79	0.1	0.82
(1,2302)	1:B:43:VAL:HG23	1:B:43:VAL:H	7	0.79	0.1	0.82
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD11	7	0.74	0.27	0.88
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD12	7	0.74	0.27	0.88
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD13	7	0.74	0.27	0.88
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD21	7	0.74	0.27	0.88
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD22	7	0.74	0.27	0.88
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD23	7	0.74	0.27	0.88
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG3	7	0.72	0.31	0.62
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG2	7	0.72	0.31	0.62
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG3	7	0.72	0.31	0.62
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG2	7	0.72	0.31	0.62
(3,797)	1:B:64:LYS:HG2	1:B:65:ASP:HB3	7	0.72	0.31	0.62
(3,797)	1:B:64:LYS:HG3	1:B:65:ASP:HB3	7	0.72	0.31	0.62
(1,1165)	1:B:119:LEU:HD11	1:B:127:ARG:HD3	7	0.7	0.3	0.57
(1,1165)	1:B:119:LEU:HD12	1:B:127:ARG:HD3	7	0.7	0.3	0.57
(1,1165)	1:B:119:LEU:HD13	1:B:127:ARG:HD3	7	0.7	0.3	0.57
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG21	7	0.67	0.36	0.78
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG22	7	0.67	0.36	0.78
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG23	7	0.67	0.36	0.78
(3,1182)	1:B:74:VAL:HG21	1:B:109:ARG:HB2	7	0.66	0.2	0.69
(3,1182)	1:B:74:VAL:HG22	1:B:109:ARG:HB2	7	0.66	0.2	0.69
(3,1182)	1:B:74:VAL:HG23	1:B:109:ARG:HB2	7	0.66	0.2	0.69
(3,1182)	1:B:74:VAL:HG21	1:B:73:ILE:HB	7	0.66	0.2	0.69
(3,1182)	1:B:74:VAL:HG22	1:B:73:ILE:HB	7	0.66	0.2	0.69
(3,1182)	1:B:74:VAL:HG23	1:B:73:ILE:HB	7	0.66	0.2	0.69
(3,1556)	1:B:42:THR:HA	1:B:41:ASN:HB3	7	0.5	0.08	0.54
(3,1556)	1:B:42:THR:HA	1:B:45:ARG:HD3	7	0.5	0.08	0.54
(3,602)	1:B:121:LEU:HD11	1:B:85:GLN:HG2	7	0.5	0.27	0.5
(3,602)	1:B:121:LEU:HD12	1:B:85:GLN:HG2	7	0.5	0.27	0.5
(3,602)	1:B:121:LEU:HD13	1:B:85:GLN:HG2	7	0.5	0.27	0.5
(3,602)	1:B:121:LEU:HD11	1:B:89:GLU:HG3	7	0.5	0.27	0.5

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,602)	1:B:121:LEU:HD12	1:B:89:GLU:HG3	7	0.5	0.27	0.5
(3,602)	1:B:121:LEU:HD13	1:B:89:GLU:HG3	7	0.5	0.27	0.5
(1,980)	1:B:33:VAL:HG11	1:B:51:ILE:HG13	7	0.49	0.23	0.42
(1,980)	1:B:33:VAL:HG12	1:B:51:ILE:HG13	7	0.49	0.23	0.42
(1,980)	1:B:33:VAL:HG13	1:B:51:ILE:HG13	7	0.49	0.23	0.42
(1,1633)	1:B:90:GLU:HG3	1:B:86:ARG:HA	7	0.49	0.34	0.35
(3,1552)	1:B:43:VAL:HG21	1:B:42:THR:H	7	0.47	0.13	0.45
(3,1552)	1:B:43:VAL:HG22	1:B:42:THR:H	7	0.47	0.13	0.45
(3,1552)	1:B:43:VAL:HG23	1:B:42:THR:H	7	0.47	0.13	0.45
(3,1552)	1:B:43:VAL:HG21	1:B:50:ILE:H	7	0.47	0.13	0.45
(3,1552)	1:B:43:VAL:HG22	1:B:50:ILE:H	7	0.47	0.13	0.45
(3,1552)	1:B:43:VAL:HG23	1:B:50:ILE:H	7	0.47	0.13	0.45
(3,862)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	7	0.4	0.24	0.35
(3,862)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	7	0.4	0.24	0.35
(3,862)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	7	0.4	0.24	0.35
(3,862)	1:B:101:ILE:HD11	1:B:98:LEU:HB3	7	0.4	0.24	0.35
(3,862)	1:B:101:ILE:HD12	1:B:98:LEU:HB3	7	0.4	0.24	0.35
(3,862)	1:B:101:ILE:HD13	1:B:98:LEU:HB3	7	0.4	0.24	0.35
(3,862)	1:B:105:ILE:HD11	1:B:114:ILE:HG13	7	0.4	0.24	0.35
(3,862)	1:B:105:ILE:HD12	1:B:114:ILE:HG13	7	0.4	0.24	0.35
(3,862)	1:B:105:ILE:HD13	1:B:114:ILE:HG13	7	0.4	0.24	0.35
(3,862)	1:B:101:ILE:HD11	1:B:114:ILE:HG13	7	0.4	0.24	0.35
(3,862)	1:B:101:ILE:HD12	1:B:114:ILE:HG13	7	0.4	0.24	0.35
(3,862)	1:B:101:ILE:HD13	1:B:114:ILE:HG13	7	0.4	0.24	0.35
(1,31)	1:B:9:TRP:H	1:B:9:TRP:HD1	7	0.37	0.18	0.25
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG3	7	0.34	0.13	0.31
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG2	7	0.34	0.13	0.31
(2,52)	1:B:35:ALA:HB1	1:B:33:VAL:HB	7	0.33	0.13	0.27
(2,52)	1:B:35:ALA:HB2	1:B:33:VAL:HB	7	0.33	0.13	0.27
(2,52)	1:B:35:ALA:HB3	1:B:33:VAL:HB	7	0.33	0.13	0.27
(3,1185)	1:B:73:ILE:HD11	1:B:80:GLN:HB2	7	0.32	0.26	0.22
(3,1185)	1:B:73:ILE:HD12	1:B:80:GLN:HB2	7	0.32	0.26	0.22
(3,1185)	1:B:73:ILE:HD13	1:B:80:GLN:HB2	7	0.32	0.26	0.22
(3,1185)	1:B:73:ILE:HD11	1:B:83:GLU:HB2	7	0.32	0.26	0.22
(3,1185)	1:B:73:ILE:HD12	1:B:83:GLU:HB2	7	0.32	0.26	0.22
(3,1185)	1:B:73:ILE:HD13	1:B:83:GLU:HB2	7	0.32	0.26	0.22
(3,1185)	1:B:73:ILE:HD11	1:B:109:ARG:HD3	7	0.32	0.26	0.22
(3,1185)	1:B:73:ILE:HD12	1:B:109:ARG:HD3	7	0.32	0.26	0.22
(3,1185)	1:B:73:ILE:HD13	1:B:109:ARG:HD3	7	0.32	0.26	0.22
(3,1185)	1:B:73:ILE:HD11	1:B:89:GLU:HG2	7	0.32	0.26	0.22
(3,1185)	1:B:73:ILE:HD12	1:B:89:GLU:HG2	7	0.32	0.26	0.22
(3,1185)	1:B:73:ILE:HD13	1:B:89:GLU:HG2	7	0.32	0.26	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,470)	1:B:64:LYS:HE3	1:B:70:GLY:H	7	0.26	0.14	0.18
(3,470)	1:B:64:LYS:HE2	1:B:70:GLY:H	7	0.26	0.14	0.18
(3,470)	1:B:25:LYS:HE3	1:B:26:ASP:H	7	0.26	0.14	0.18
(3,367)	1:B:98:LEU:HD11	1:B:98:LEU:HA	7	0.26	0.08	0.27
(3,367)	1:B:98:LEU:HD12	1:B:98:LEU:HA	7	0.26	0.08	0.27
(3,367)	1:B:98:LEU:HD13	1:B:98:LEU:HA	7	0.26	0.08	0.27
(3,367)	1:B:98:LEU:HD11	1:B:111:ARG:HA	7	0.26	0.08	0.27
(3,367)	1:B:98:LEU:HD12	1:B:111:ARG:HA	7	0.26	0.08	0.27
(3,367)	1:B:98:LEU:HD13	1:B:111:ARG:HA	7	0.26	0.08	0.27
(3,1576)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	7	0.26	0.09	0.23
(3,1576)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	7	0.26	0.09	0.23
(3,1576)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	7	0.26	0.09	0.23
(3,1576)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	7	0.26	0.09	0.23
(3,1576)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	7	0.26	0.09	0.23
(3,1576)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	7	0.26	0.09	0.23
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE1	7	0.24	0.05	0.25
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE2	7	0.24	0.05	0.25
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE3	7	0.24	0.05	0.25
(3,1247)	1:B:89:GLU:HB3	1:B:90:GLU:HB3	7	0.22	0.19	0.14
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG3	7	0.22	0.19	0.14
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG2	7	0.22	0.19	0.14
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD2	7	0.21	0.07	0.18
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD3	7	0.21	0.07	0.18
(3,988)	1:B:45:ARG:HB2	1:B:52:HIS:HB2	7	0.21	0.07	0.18
(3,988)	1:B:45:ARG:HB3	1:B:52:HIS:HB2	7	0.21	0.07	0.18
(3,988)	1:B:45:ARG:HB3	1:B:47:ARG:HD3	7	0.21	0.07	0.18
(1,25)	1:B:8:THR:H	1:B:8:THR:HG21	7	0.2	0.07	0.16
(1,25)	1:B:8:THR:H	1:B:8:THR:HG22	7	0.2	0.07	0.16
(1,25)	1:B:8:THR:H	1:B:8:THR:HG23	7	0.2	0.07	0.16
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD11	7	0.18	0.08	0.14
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD12	7	0.18	0.08	0.14
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD13	7	0.18	0.08	0.14
(1,1076)	1:B:124:VAL:HG11	1:B:115:VAL:HA	7	0.17	0.04	0.16
(1,1076)	1:B:124:VAL:HG12	1:B:115:VAL:HA	7	0.17	0.04	0.16
(1,1076)	1:B:124:VAL:HG13	1:B:115:VAL:HA	7	0.17	0.04	0.16
(1,1311)	1:B:110:SER:HA	1:B:102:MET:HG3	7	0.14	0.03	0.13
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG2	6	2.11	1.6	1.44
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG3	6	2.11	1.6	1.44
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG3	6	1.25	1.11	0.86
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG2	6	1.25	1.11	0.86
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD3	6	0.99	0.49	1.0
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD2	6	0.99	0.49	1.0

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD3	6	0.99	0.49	1.0
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD2	6	0.99	0.49	1.0
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE1	6	0.9	0.42	1.02
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE2	6	0.9	0.42	1.02
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE1	6	0.9	0.42	1.02
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE2	6	0.9	0.42	1.02
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE1	6	0.9	0.42	1.02
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE2	6	0.9	0.42	1.02
(3,1180)	1:B:74:VAL:HG21	1:B:76:TRP:HZ3	6	0.88	0.26	0.91
(3,1180)	1:B:74:VAL:HG22	1:B:76:TRP:HZ3	6	0.88	0.26	0.91
(3,1180)	1:B:74:VAL:HG23	1:B:76:TRP:HZ3	6	0.88	0.26	0.91
(3,1180)	1:B:74:VAL:HG21	1:B:72:HIS:HD2	6	0.88	0.26	0.91
(3,1180)	1:B:74:VAL:HG22	1:B:72:HIS:HD2	6	0.88	0.26	0.91
(3,1180)	1:B:74:VAL:HG23	1:B:72:HIS:HD2	6	0.88	0.26	0.91
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD1	6	0.78	0.07	0.8
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD2	6	0.78	0.07	0.8
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD1	6	0.78	0.07	0.8
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD2	6	0.78	0.07	0.8
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD1	6	0.78	0.07	0.8
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD2	6	0.78	0.07	0.8
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HZ	6	0.78	0.07	0.8
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HZ	6	0.78	0.07	0.8
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HZ	6	0.78	0.07	0.8
(1,1903)	1:B:65:ASP:HB3	1:B:64:LYS:HA	6	0.59	0.03	0.59
(1,414)	1:B:65:ASP:H	1:B:65:ASP:HB3	6	0.58	0.04	0.59
(3,558)	1:B:84:LEU:HD21	1:B:118:LEU:HA	6	0.5	0.19	0.62
(3,558)	1:B:84:LEU:HD22	1:B:118:LEU:HA	6	0.5	0.19	0.62
(3,558)	1:B:84:LEU:HD23	1:B:118:LEU:HA	6	0.5	0.19	0.62
(3,558)	1:B:84:LEU:HD21	1:B:101:ILE:HA	6	0.5	0.19	0.62
(3,558)	1:B:84:LEU:HD22	1:B:101:ILE:HA	6	0.5	0.19	0.62
(3,558)	1:B:84:LEU:HD23	1:B:101:ILE:HA	6	0.5	0.19	0.62
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG11	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG12	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG13	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG11	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG12	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG13	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG11	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG12	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG13	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD11	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD12	6	0.38	0.26	0.32

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD13	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD11	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD12	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD13	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD11	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD12	6	0.38	0.26	0.32
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD13	6	0.38	0.26	0.32
(3,585)	1:B:121:LEU:HD11	1:B:87:LEU:H	6	0.34	0.18	0.29
(3,585)	1:B:121:LEU:HD12	1:B:87:LEU:H	6	0.34	0.18	0.29
(3,585)	1:B:121:LEU:HD13	1:B:87:LEU:H	6	0.34	0.18	0.29
(3,585)	1:B:121:LEU:HD11	1:B:81:GLU:H	6	0.34	0.18	0.29
(3,585)	1:B:121:LEU:HD12	1:B:81:GLU:H	6	0.34	0.18	0.29
(3,585)	1:B:121:LEU:HD13	1:B:81:GLU:H	6	0.34	0.18	0.29
(3,585)	1:B:121:LEU:HD11	1:B:128:ARG:H	6	0.34	0.18	0.29
(3,585)	1:B:121:LEU:HD12	1:B:128:ARG:H	6	0.34	0.18	0.29
(3,585)	1:B:121:LEU:HD13	1:B:128:ARG:H	6	0.34	0.18	0.29
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG3	6	0.26	0.1	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG3	6	0.26	0.1	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG3	6	0.26	0.1	0.22
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG2	6	0.26	0.1	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG2	6	0.26	0.1	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG2	6	0.26	0.1	0.22
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HB3	6	0.26	0.1	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HB3	6	0.26	0.1	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HB3	6	0.26	0.1	0.22
(1,252)	1:B:40:LEU:H	1:B:40:LEU:HB3	6	0.25	0.06	0.29
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE1	6	0.24	0.04	0.24
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE2	6	0.24	0.04	0.24
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE3	6	0.24	0.04	0.24
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE1	6	0.24	0.04	0.24
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE2	6	0.24	0.04	0.24
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE3	6	0.24	0.04	0.24
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE1	6	0.24	0.04	0.24
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE2	6	0.24	0.04	0.24
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE3	6	0.24	0.04	0.24
(3,734)	1:B:114:ILE:HG21	1:B:115:VAL:HB	6	0.24	0.04	0.24
(3,734)	1:B:114:ILE:HG22	1:B:115:VAL:HB	6	0.24	0.04	0.24
(3,734)	1:B:114:ILE:HG23	1:B:115:VAL:HB	6	0.24	0.04	0.24
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE1	6	0.23	0.08	0.24
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE2	6	0.23	0.08	0.24
(3,830)	1:B:31:ASP:HB3	1:B:30:GLN:HE21	6	0.23	0.08	0.24
(3,1288)	1:B:31:ASP:HB2	1:B:37:LEU:HG	6	0.23	0.1	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD3	6	0.23	0.1	0.22
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD2	6	0.23	0.1	0.22
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD3	6	0.23	0.1	0.22
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD2	6	0.23	0.1	0.22
(1,2662)	1:B:42:THR:HG21	1:B:44:PRO:HD2	6	0.2	0.13	0.15
(1,2662)	1:B:42:THR:HG22	1:B:44:PRO:HD2	6	0.2	0.13	0.15
(1,2662)	1:B:42:THR:HG23	1:B:44:PRO:HD2	6	0.2	0.13	0.15
(3,1384)	1:B:54:LEU:HD21	1:B:59:LEU:HB2	6	0.19	0.05	0.18
(3,1384)	1:B:54:LEU:HD22	1:B:59:LEU:HB2	6	0.19	0.05	0.18
(3,1384)	1:B:54:LEU:HD23	1:B:59:LEU:HB2	6	0.19	0.05	0.18
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB1	6	0.19	0.05	0.18
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB2	6	0.19	0.05	0.18
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB3	6	0.19	0.05	0.18
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB1	6	0.19	0.05	0.18
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB2	6	0.19	0.05	0.18
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB3	6	0.19	0.05	0.18
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB1	6	0.19	0.05	0.18
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB2	6	0.19	0.05	0.18
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB3	6	0.19	0.05	0.18
(1,2687)	1:B:6:ALA:HB1	1:B:49:GLN:HE22	6	0.17	0.07	0.15
(1,2687)	1:B:6:ALA:HB2	1:B:49:GLN:HE22	6	0.17	0.07	0.15
(1,2687)	1:B:6:ALA:HB3	1:B:49:GLN:HE22	6	0.17	0.07	0.15
(1,2338)	1:B:40:LEU:HD11	1:B:9:TRP:HZ3	6	0.17	0.03	0.16
(1,2338)	1:B:40:LEU:HD12	1:B:9:TRP:HZ3	6	0.17	0.03	0.16
(1,2338)	1:B:40:LEU:HD13	1:B:9:TRP:HZ3	6	0.17	0.03	0.16
(2,15)	1:B:111:ARG:HE	1:B:101:ILE:HB	6	0.14	0.03	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG21	6	0.13	0.02	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG22	6	0.13	0.02	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG23	6	0.13	0.02	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG11	6	0.13	0.02	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG12	6	0.13	0.02	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG13	6	0.13	0.02	0.13
(1,1443)	1:B:102:MET:HE1	1:B:103:LYS:H	6	0.13	0.02	0.12
(1,1443)	1:B:102:MET:HE2	1:B:103:LYS:H	6	0.13	0.02	0.12
(1,1443)	1:B:102:MET:HE3	1:B:103:LYS:H	6	0.13	0.02	0.12
(3,1829)	1:B:10:SER:HB2	1:B:10:SER:HB3	6	0.13	0.01	0.13
(3,1829)	1:B:10:SER:HB2	1:B:11:PRO:HD2	6	0.13	0.01	0.13
(3,1392)	1:B:54:LEU:HD11	1:B:57:MET:H	6	0.12	0.01	0.12
(3,1392)	1:B:54:LEU:HD12	1:B:57:MET:H	6	0.12	0.01	0.12
(3,1392)	1:B:54:LEU:HD13	1:B:57:MET:H	6	0.12	0.01	0.12
(3,1392)	1:B:54:LEU:HD11	1:B:62:SER:H	6	0.12	0.01	0.12
(3,1392)	1:B:54:LEU:HD12	1:B:62:SER:H	6	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1392)	1:B:54:LEU:HD13	1:B:62:SER:H	6	0.12	0.01	0.12
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG11	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG12	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG13	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG11	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG12	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG13	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG11	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG12	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG13	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD11	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD12	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD13	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD11	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD12	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD13	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD11	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD12	5	1.11	0.5	1.15
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD13	5	1.11	0.5	1.15
(2,7)	1:B:68:ARG:H	1:B:64:LYS:HB3	5	0.92	0.74	0.84
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE1	5	0.87	0.61	1.25
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE2	5	0.87	0.61	1.25
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE3	5	0.87	0.61	1.25
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE1	5	0.87	0.61	1.25
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE2	5	0.87	0.61	1.25
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE3	5	0.87	0.61	1.25
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE1	5	0.87	0.61	1.25
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE2	5	0.87	0.61	1.25
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE3	5	0.87	0.61	1.25
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HG13	5	0.75	0.31	0.91
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HB	5	0.75	0.31	0.91
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB3	5	0.75	0.4	0.69
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB2	5	0.75	0.4	0.69
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB3	5	0.75	0.4	0.69
(3,658)	1:B:95:ASP:HB2	1:B:132:LYS:HB2	5	0.75	0.4	0.69
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB2	5	0.75	0.4	0.69
(3,164)	1:B:76:TRP:HE1	1:B:109:ARG:HG2	5	0.71	0.37	0.52
(3,164)	1:B:76:TRP:HE1	1:B:105:ILE:HG13	5	0.71	0.37	0.52
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG21	5	0.69	0.28	0.78
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG22	5	0.69	0.28	0.78
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG23	5	0.69	0.28	0.78
(3,865)	1:B:101:ILE:HD11	1:B:102:MET:HG3	5	0.53	0.13	0.51

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,865)	1:B:101:ILE:HD12	1:B:102:MET:HG3	5	0.53	0.13	0.51
(3,865)	1:B:101:ILE:HD13	1:B:102:MET:HG3	5	0.53	0.13	0.51
(3,865)	1:B:105:ILE:HD11	1:B:102:MET:HG3	5	0.53	0.13	0.51
(3,865)	1:B:105:ILE:HD12	1:B:102:MET:HG3	5	0.53	0.13	0.51
(3,865)	1:B:105:ILE:HD13	1:B:102:MET:HG3	5	0.53	0.13	0.51
(1,285)	1:B:46:THR:H	1:B:49:GLN:HG2	5	0.48	0.13	0.54
(1,2651)	1:B:9:TRP:HZ2	1:B:49:GLN:HG2	5	0.47	0.36	0.31
(1,954)	1:B:131:TYR:HE1	1:B:127:ARG:HG2	5	0.45	0.39	0.28
(1,954)	1:B:131:TYR:HE2	1:B:127:ARG:HG2	5	0.45	0.39	0.28
(1,837)	1:B:45:ARG:HE	1:B:53:HIS:HD2	5	0.45	0.07	0.47
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD1	5	0.43	0.2	0.33
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD2	5	0.43	0.2	0.33
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD1	5	0.43	0.2	0.33
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD2	5	0.43	0.2	0.33
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD1	5	0.43	0.2	0.33
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD2	5	0.43	0.2	0.33
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD21	5	0.43	0.14	0.35
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD22	5	0.43	0.14	0.35
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD23	5	0.43	0.14	0.35
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD21	5	0.43	0.14	0.35
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD22	5	0.43	0.14	0.35
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD23	5	0.43	0.14	0.35
(1,169)	1:B:30:GLN:HE21	1:B:30:GLN:HG2	5	0.37	0.29	0.17
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG21	5	0.35	0.07	0.34
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG22	5	0.35	0.07	0.34
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG23	5	0.35	0.07	0.34
(1,409)	1:B:64:LYS:H	1:B:65:ASP:HB3	5	0.34	0.1	0.29
(1,2683)	1:B:6:ALA:HB1	1:B:7:PRO:HD2	5	0.33	0.17	0.28
(1,2683)	1:B:6:ALA:HB2	1:B:7:PRO:HD2	5	0.33	0.17	0.28
(1,2683)	1:B:6:ALA:HB3	1:B:7:PRO:HD2	5	0.33	0.17	0.28
(1,2658)	1:B:8:THR:HB	1:B:9:TRP:HD1	5	0.31	0.17	0.37
(3,1418)	1:B:9:TRP:HE3	1:B:12:GLU:HB3	5	0.31	0.2	0.23
(3,1418)	1:B:52:HIS:HD2	1:B:55:VAL:HB	5	0.31	0.2	0.23
(3,1418)	1:B:52:HIS:HD2	1:B:67:GLN:HB2	5	0.31	0.2	0.23
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	5	0.3	0.23	0.17
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB3	5	0.3	0.23	0.17
(3,318)	1:B:135:GLN:HE21	1:B:126:GLU:HG3	5	0.3	0.23	0.17
(1,966)	1:B:131:TYR:HD1	1:B:130:LEU:H	5	0.29	0.13	0.35
(1,966)	1:B:131:TYR:HD2	1:B:130:LEU:H	5	0.29	0.13	0.35
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG3	5	0.29	0.11	0.35
(3,1683)	1:B:86:ARG:HB3	1:B:90:GLU:HB3	5	0.29	0.11	0.35
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG2	5	0.29	0.11	0.35

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1683)	1:B:86:ARG:HB2	1:B:90:GLU:HB3	5	0.29	0.11	0.35
(1,1995)	1:B:37:LEU:HD21	1:B:50:ILE:HB	5	0.28	0.15	0.22
(1,1995)	1:B:37:LEU:HD22	1:B:50:ILE:HB	5	0.28	0.15	0.22
(1,1995)	1:B:37:LEU:HD23	1:B:50:ILE:HB	5	0.28	0.15	0.22
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG21	5	0.25	0.12	0.22
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG22	5	0.25	0.12	0.22
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG23	5	0.25	0.12	0.22
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG21	5	0.25	0.12	0.22
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG22	5	0.25	0.12	0.22
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG23	5	0.25	0.12	0.22
(1,608)	1:B:94:SER:H	1:B:91:PHE:HA	5	0.24	0.08	0.24
(1,435)	1:B:67:GLN:H	1:B:66:PHE:H	5	0.22	0.13	0.17
(1,248)	1:B:40:LEU:H	1:B:37:LEU:HA	5	0.2	0.07	0.19
(3,837)	1:B:102:MET:HE1	1:B:102:MET:HA	5	0.2	0.07	0.16
(3,837)	1:B:102:MET:HE2	1:B:102:MET:HA	5	0.2	0.07	0.16
(3,837)	1:B:102:MET:HE3	1:B:102:MET:HA	5	0.2	0.07	0.16
(3,837)	1:B:102:MET:HE1	1:B:111:ARG:HA	5	0.2	0.07	0.16
(3,837)	1:B:102:MET:HE2	1:B:111:ARG:HA	5	0.2	0.07	0.16
(3,837)	1:B:102:MET:HE3	1:B:111:ARG:HA	5	0.2	0.07	0.16
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD11	5	0.19	0.05	0.16
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD12	5	0.19	0.05	0.16
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD13	5	0.19	0.05	0.16
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD11	5	0.19	0.05	0.16
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD12	5	0.19	0.05	0.16
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD13	5	0.19	0.05	0.16
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD11	5	0.19	0.05	0.16
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD12	5	0.19	0.05	0.16
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD13	5	0.19	0.05	0.16
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD11	5	0.19	0.06	0.22
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD12	5	0.19	0.06	0.22
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD13	5	0.19	0.06	0.22
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD11	5	0.19	0.06	0.22
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD12	5	0.19	0.06	0.22
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD13	5	0.19	0.06	0.22
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD11	5	0.19	0.06	0.22
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD12	5	0.19	0.06	0.22
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD13	5	0.19	0.06	0.22
(1,1509)	1:B:98:LEU:HD21	1:B:101:ILE:H	5	0.19	0.04	0.2
(1,1509)	1:B:98:LEU:HD22	1:B:101:ILE:H	5	0.19	0.04	0.2
(1,1509)	1:B:98:LEU:HD23	1:B:101:ILE:H	5	0.19	0.04	0.2
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG11	5	0.19	0.06	0.19
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG12	5	0.19	0.06	0.19

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG13	5	0.19	0.06	0.19
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG21	5	0.19	0.06	0.19
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG22	5	0.19	0.06	0.19
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG23	5	0.19	0.06	0.19
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG11	5	0.16	0.05	0.14
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG12	5	0.16	0.05	0.14
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG13	5	0.16	0.05	0.14
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD11	5	0.16	0.05	0.14
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD12	5	0.16	0.05	0.14
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD13	5	0.16	0.05	0.14
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG21	5	0.16	0.05	0.14
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG22	5	0.16	0.05	0.14
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG23	5	0.16	0.05	0.14
(3,1423)	1:B:52:HIS:HE1	1:B:63:VAL:HB	5	0.14	0.02	0.14
(3,1423)	1:B:52:HIS:HE1	1:B:56:GLN:HG2	5	0.14	0.02	0.14
(3,1859)	1:B:8:THR:HG21	1:B:9:TRP:HE1	5	0.14	0.02	0.14
(3,1859)	1:B:8:THR:HG22	1:B:9:TRP:HE1	5	0.14	0.02	0.14
(3,1859)	1:B:8:THR:HG23	1:B:9:TRP:HE1	5	0.14	0.02	0.14
(3,1859)	1:B:42:THR:HG21	1:B:9:TRP:HE1	5	0.14	0.02	0.14
(3,1859)	1:B:42:THR:HG22	1:B:9:TRP:HE1	5	0.14	0.02	0.14
(3,1859)	1:B:42:THR:HG23	1:B:9:TRP:HE1	5	0.14	0.02	0.14
(1,662)	1:B:106:THR:H	1:B:105:ILE:HG13	5	0.14	0.04	0.12
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD11	5	0.14	0.02	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD12	5	0.14	0.02	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD13	5	0.14	0.02	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG11	5	0.14	0.02	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG12	5	0.14	0.02	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG13	5	0.14	0.02	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG21	5	0.14	0.02	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG22	5	0.14	0.02	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG23	5	0.14	0.02	0.14
(2,10)	1:B:104:ASN:H	1:B:100:HIS:H	5	0.13	0.02	0.13
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB2	5	0.13	0.02	0.12
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB2	5	0.13	0.02	0.12
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB2	5	0.13	0.02	0.12
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB3	5	0.13	0.02	0.12
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB3	5	0.13	0.02	0.12
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB3	5	0.13	0.02	0.12
(1,491)	1:B:77:THR:H	1:B:80:GLN:HB3	5	0.12	0.01	0.12
(3,340)	1:B:63:VAL:HA	1:B:63:VAL:HB	5	0.12	0.0	0.12
(3,340)	1:B:110:SER:HB3	1:B:113:ARG:HB2	5	0.12	0.0	0.12
(1,2552)	1:B:17:LEU:HD11	1:B:40:LEU:HB2	4	1.35	0.72	1.67

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2552)	1:B:17:LEU:HD12	1:B:40:LEU:HB2	4	1.35	0.72	1.67
(1,2552)	1:B:17:LEU:HD13	1:B:40:LEU:HB2	4	1.35	0.72	1.67
(1,2552)	1:B:17:LEU:HD11	1:B:40:LEU:HG	4	1.35	0.72	1.67
(1,2552)	1:B:17:LEU:HD12	1:B:40:LEU:HG	4	1.35	0.72	1.67
(1,2552)	1:B:17:LEU:HD13	1:B:40:LEU:HG	4	1.35	0.72	1.67
(1,2390)	1:B:36:ILE:HG13	1:B:35:ALA:H	4	1.23	0.11	1.19
(1,617)	1:B:96:ASP:H	1:B:100:HIS:HD2	4	1.13	0.78	1.17
(1,1241)	1:B:115:VAL:HG11	1:B:115:VAL:H	4	1.03	0.01	1.02
(1,1241)	1:B:115:VAL:HG12	1:B:115:VAL:H	4	1.03	0.01	1.02
(1,1241)	1:B:115:VAL:HG13	1:B:115:VAL:H	4	1.03	0.01	1.02
(1,1250)	1:B:115:VAL:HG21	1:B:116:ASP:H	4	0.85	0.03	0.86
(1,1250)	1:B:115:VAL:HG22	1:B:116:ASP:H	4	0.85	0.03	0.86
(1,1250)	1:B:115:VAL:HG23	1:B:116:ASP:H	4	0.85	0.03	0.86
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD21	4	0.82	0.15	0.84
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD22	4	0.82	0.15	0.84
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD23	4	0.82	0.15	0.84
(2,57)	1:B:6:ALA:HB1	1:B:49:GLN:HG2	4	0.81	0.89	0.34
(2,57)	1:B:6:ALA:HB2	1:B:49:GLN:HG2	4	0.81	0.89	0.34
(2,57)	1:B:6:ALA:HB3	1:B:49:GLN:HG2	4	0.81	0.89	0.34
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG11	4	0.8	0.32	0.66
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG12	4	0.8	0.32	0.66
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG13	4	0.8	0.32	0.66
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG11	4	0.8	0.32	0.66
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG12	4	0.8	0.32	0.66
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG13	4	0.8	0.32	0.66
(1,1644)	1:B:89:GLU:HG3	1:B:92:ARG:HD2	4	0.79	0.31	0.82
(1,1230)	1:B:115:VAL:HG21	1:B:116:ASP:HB2	4	0.77	0.09	0.77
(1,1230)	1:B:115:VAL:HG22	1:B:116:ASP:HB2	4	0.77	0.09	0.77
(1,1230)	1:B:115:VAL:HG23	1:B:116:ASP:HB2	4	0.77	0.09	0.77
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD11	4	0.75	0.14	0.74
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD12	4	0.75	0.14	0.74
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD13	4	0.75	0.14	0.74
(3,261)	1:B:117:LYS:H	1:B:123:LEU:HB2	4	0.75	0.14	0.74
(1,1549)	1:B:65:ASP:HB3	1:B:64:LYS:HB2	4	0.75	0.31	0.84
(1,403)	1:B:64:LYS:H	1:B:64:LYS:HB2	4	0.66	0.01	0.66
(1,1522)	1:B:97:VAL:HG21	1:B:92:ARG:HB2	4	0.64	0.15	0.6
(1,1522)	1:B:97:VAL:HG22	1:B:92:ARG:HB2	4	0.64	0.15	0.6
(1,1522)	1:B:97:VAL:HG23	1:B:92:ARG:HB2	4	0.64	0.15	0.6
(1,415)	1:B:65:ASP:H	1:B:64:LYS:HB2	4	0.61	0.05	0.6
(3,1561)	1:B:131:TYR:HB2	1:B:133:LYS:HG2	4	0.6	0.39	0.38
(3,1561)	1:B:131:TYR:HB2	1:B:133:LYS:HG3	4	0.6	0.39	0.38
(3,1561)	1:B:131:TYR:HB2	1:B:132:LYS:HG2	4	0.6	0.39	0.38

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,10)	1:B:5:ARG:H	1:B:5:ARG:HB2	4	0.59	0.03	0.59
(1,2229)	1:B:45:ARG:HD2	1:B:43:VAL:HB	4	0.59	0.35	0.65
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD21	4	0.58	0.12	0.58
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD22	4	0.58	0.12	0.58
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD23	4	0.58	0.12	0.58
(3,495)	1:B:130:LEU:HD11	1:B:115:VAL:HB	4	0.57	0.09	0.54
(3,495)	1:B:130:LEU:HD12	1:B:115:VAL:HB	4	0.57	0.09	0.54
(3,495)	1:B:130:LEU:HD13	1:B:115:VAL:HB	4	0.57	0.09	0.54
(3,495)	1:B:130:LEU:HD11	1:B:129:GLU:HB2	4	0.57	0.09	0.54
(3,495)	1:B:130:LEU:HD12	1:B:129:GLU:HB2	4	0.57	0.09	0.54
(3,495)	1:B:130:LEU:HD13	1:B:129:GLU:HB2	4	0.57	0.09	0.54
(1,2736)	1:B:76:TRP:HH2	1:B:114:ILE:HG13	4	0.54	0.22	0.56
(1,1691)	1:B:20:LEU:HD11	1:B:36:ILE:HG12	4	0.52	0.12	0.5
(1,1691)	1:B:20:LEU:HD12	1:B:36:ILE:HG12	4	0.52	0.12	0.5
(1,1691)	1:B:20:LEU:HD13	1:B:36:ILE:HG12	4	0.52	0.12	0.5
(2,33)	1:B:74:VAL:HG21	1:B:114:ILE:HG12	4	0.52	0.23	0.62
(2,33)	1:B:74:VAL:HG22	1:B:114:ILE:HG12	4	0.52	0.23	0.62
(2,33)	1:B:74:VAL:HG23	1:B:114:ILE:HG12	4	0.52	0.23	0.62
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD11	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD12	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD13	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD11	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD12	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD13	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD11	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD12	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD13	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD21	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD22	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD23	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD21	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD22	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD23	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD21	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD22	4	0.39	0.11	0.4
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD23	4	0.39	0.11	0.4
(3,1262)	1:B:65:ASP:HB3	1:B:63:VAL:HA	4	0.39	0.16	0.36
(3,1262)	1:B:65:ASP:HB3	1:B:55:VAL:HA	4	0.39	0.16	0.36
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD11	4	0.38	0.08	0.42
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD12	4	0.38	0.08	0.42
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD13	4	0.38	0.08	0.42
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD11	4	0.38	0.08	0.42

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD12	4	0.38	0.08	0.42
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD13	4	0.38	0.08	0.42
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD11	4	0.38	0.08	0.42
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD12	4	0.38	0.08	0.42
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD13	4	0.38	0.08	0.42
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD11	4	0.38	0.04	0.38
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD12	4	0.38	0.04	0.38
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD13	4	0.38	0.04	0.38
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD21	4	0.38	0.04	0.38
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD22	4	0.38	0.04	0.38
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD23	4	0.38	0.04	0.38
(3,1348)	1:B:30:GLN:HG3	1:B:31:ASP:HB3	4	0.35	0.12	0.3
(3,1348)	1:B:56:GLN:HG2	1:B:53:HIS:HB3	4	0.35	0.12	0.3
(1,588)	1:B:92:ARG:H	1:B:92:ARG:HB3	4	0.34	0.01	0.34
(1,6)	1:B:4:ARG:H	1:B:4:ARG:HB2	4	0.34	0.14	0.34
(1,1422)	1:B:105:ILE:HG21	1:B:109:ARG:HD3	4	0.33	0.2	0.33
(1,1422)	1:B:105:ILE:HG22	1:B:109:ARG:HD3	4	0.33	0.2	0.33
(1,1422)	1:B:105:ILE:HG23	1:B:109:ARG:HD3	4	0.33	0.2	0.33
(1,885)	1:B:40:LEU:HD21	1:B:9:TRP:HZ3	4	0.3	0.13	0.28
(1,885)	1:B:40:LEU:HD22	1:B:9:TRP:HZ3	4	0.3	0.13	0.28
(1,885)	1:B:40:LEU:HD23	1:B:9:TRP:HZ3	4	0.3	0.13	0.28
(3,719)	1:B:27:VAL:HG11	1:B:30:GLN:HE22	4	0.3	0.12	0.3
(3,719)	1:B:27:VAL:HG12	1:B:30:GLN:HE22	4	0.3	0.12	0.3
(3,719)	1:B:27:VAL:HG13	1:B:30:GLN:HE22	4	0.3	0.12	0.3
(3,719)	1:B:115:VAL:HG21	1:B:130:LEU:H	4	0.3	0.12	0.3
(3,719)	1:B:115:VAL:HG22	1:B:130:LEU:H	4	0.3	0.12	0.3
(3,719)	1:B:115:VAL:HG23	1:B:130:LEU:H	4	0.3	0.12	0.3
(1,1592)	1:B:92:ARG:HD3	1:B:88:PHE:HE1	4	0.28	0.1	0.32
(1,1592)	1:B:92:ARG:HD3	1:B:88:PHE:HE2	4	0.28	0.1	0.32
(3,378)	1:B:22:LEU:HD11	1:B:18:ARG:HD2	4	0.28	0.13	0.26
(3,378)	1:B:22:LEU:HD12	1:B:18:ARG:HD2	4	0.28	0.13	0.26
(3,378)	1:B:22:LEU:HD13	1:B:18:ARG:HD2	4	0.28	0.13	0.26
(3,378)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	4	0.28	0.13	0.26
(3,378)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	4	0.28	0.13	0.26
(3,378)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	4	0.28	0.13	0.26
(3,378)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	4	0.28	0.13	0.26
(3,378)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	4	0.28	0.13	0.26
(3,378)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	4	0.28	0.13	0.26
(3,1232)	1:B:8:THR:HB	1:B:7:PRO:HB2	4	0.28	0.09	0.31
(3,1232)	1:B:71:THR:HB	1:B:82:LEU:HB3	4	0.28	0.09	0.31
(3,1659)	1:B:33:VAL:HB	1:B:33:VAL:H	4	0.28	0.08	0.29
(3,1659)	1:B:33:VAL:HB	1:B:34:GLU:H	4	0.28	0.08	0.29

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD21	4	0.27	0.14	0.23
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD22	4	0.27	0.14	0.23
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD23	4	0.27	0.14	0.23
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD21	4	0.27	0.14	0.23
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD22	4	0.27	0.14	0.23
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD23	4	0.27	0.14	0.23
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD21	4	0.27	0.14	0.23
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD22	4	0.27	0.14	0.23
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD23	4	0.27	0.14	0.23
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG21	4	0.26	0.1	0.24
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG22	4	0.26	0.1	0.24
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG23	4	0.26	0.1	0.24
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG21	4	0.26	0.1	0.24
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG22	4	0.26	0.1	0.24
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG23	4	0.26	0.1	0.24
(1,2136)	1:B:51:ILE:HG21	1:B:63:VAL:HB	4	0.26	0.05	0.24
(1,2136)	1:B:51:ILE:HG22	1:B:63:VAL:HB	4	0.26	0.05	0.24
(1,2136)	1:B:51:ILE:HG23	1:B:63:VAL:HB	4	0.26	0.05	0.24
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD11	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD12	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD13	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD11	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD12	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD13	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD11	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD12	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD13	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG21	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG22	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG23	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG21	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG22	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG23	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG21	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG22	4	0.25	0.12	0.22
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG23	4	0.25	0.12	0.22
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HG3	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HG3	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HG3	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HG2	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HG2	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HG2	4	0.25	0.07	0.24

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1466)	1:B:50:ILE:HD11	1:B:14:GLU:HB2	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD12	1:B:14:GLU:HB2	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD13	1:B:14:GLU:HB2	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD11	1:B:34:GLU:HG2	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD12	1:B:34:GLU:HG2	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD13	1:B:34:GLU:HG2	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HB3	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HB3	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HB3	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HB2	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HB2	4	0.25	0.07	0.24
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HB2	4	0.25	0.07	0.24
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG21	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG22	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG23	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG21	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG22	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG23	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG21	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG22	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG23	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD11	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD12	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD13	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD11	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD12	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD13	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD11	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD12	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD13	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD11	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD12	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD13	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD11	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD12	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD13	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD11	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD12	4	0.25	0.13	0.25
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD13	4	0.25	0.13	0.25
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG21	4	0.25	0.13	0.25
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG22	4	0.25	0.13	0.25
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG23	4	0.25	0.13	0.25

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG21	4	0.25	0.13	0.25
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG22	4	0.25	0.13	0.25
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG23	4	0.25	0.13	0.25
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG21	4	0.25	0.13	0.25
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG22	4	0.25	0.13	0.25
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG23	4	0.25	0.13	0.25
(3,1178)	1:B:27:VAL:HG21	1:B:30:GLN:HE21	4	0.24	0.06	0.24
(3,1178)	1:B:27:VAL:HG22	1:B:30:GLN:HE21	4	0.24	0.06	0.24
(3,1178)	1:B:27:VAL:HG23	1:B:30:GLN:HE21	4	0.24	0.06	0.24
(3,1178)	1:B:74:VAL:HG11	1:B:76:TRP:HZ3	4	0.24	0.06	0.24
(3,1178)	1:B:74:VAL:HG12	1:B:76:TRP:HZ3	4	0.24	0.06	0.24
(3,1178)	1:B:74:VAL:HG13	1:B:76:TRP:HZ3	4	0.24	0.06	0.24
(3,697)	1:B:115:VAL:HG21	1:B:116:ASP:HA	4	0.24	0.04	0.24
(3,697)	1:B:115:VAL:HG22	1:B:116:ASP:HA	4	0.24	0.04	0.24
(3,697)	1:B:115:VAL:HG23	1:B:116:ASP:HA	4	0.24	0.04	0.24
(3,697)	1:B:115:VAL:HG21	1:B:113:ARG:HA	4	0.24	0.04	0.24
(3,697)	1:B:115:VAL:HG22	1:B:113:ARG:HA	4	0.24	0.04	0.24
(3,697)	1:B:115:VAL:HG23	1:B:113:ARG:HA	4	0.24	0.04	0.24
(3,458)	1:B:25:LYS:HE2	1:B:25:LYS:HG2	4	0.24	0.07	0.23
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG21	4	0.24	0.07	0.23
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG22	4	0.24	0.07	0.23
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG23	4	0.24	0.07	0.23
(3,458)	1:B:25:LYS:HE3	1:B:25:LYS:HG2	4	0.24	0.07	0.23
(1,1531)	1:B:97:VAL:HG11	1:B:88:PHE:HE1	4	0.23	0.1	0.22
(1,1531)	1:B:97:VAL:HG11	1:B:88:PHE:HE2	4	0.23	0.1	0.22
(1,1531)	1:B:97:VAL:HG12	1:B:88:PHE:HE1	4	0.23	0.1	0.22
(1,1531)	1:B:97:VAL:HG12	1:B:88:PHE:HE2	4	0.23	0.1	0.22
(1,1531)	1:B:97:VAL:HG13	1:B:88:PHE:HE1	4	0.23	0.1	0.22
(1,1531)	1:B:97:VAL:HG13	1:B:88:PHE:HE2	4	0.23	0.1	0.22
(3,172)	1:B:82:LEU:H	1:B:81:GLU:HG3	4	0.22	0.09	0.18
(3,172)	1:B:82:LEU:H	1:B:83:GLU:HG3	4	0.22	0.09	0.18
(3,1671)	1:B:32:VAL:HG11	1:B:66:PHE:H	4	0.21	0.06	0.22
(3,1671)	1:B:32:VAL:HG12	1:B:66:PHE:H	4	0.21	0.06	0.22
(3,1671)	1:B:32:VAL:HG13	1:B:66:PHE:H	4	0.21	0.06	0.22
(3,1671)	1:B:32:VAL:HG11	1:B:24:ASN:HD22	4	0.21	0.06	0.22
(3,1671)	1:B:32:VAL:HG12	1:B:24:ASN:HD22	4	0.21	0.06	0.22
(3,1671)	1:B:32:VAL:HG13	1:B:24:ASN:HD22	4	0.21	0.06	0.22
(1,1620)	1:B:90:GLU:HG2	1:B:91:PHE:HD1	4	0.21	0.04	0.22
(1,1620)	1:B:90:GLU:HG2	1:B:91:PHE:HD2	4	0.21	0.04	0.22
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG21	4	0.21	0.04	0.21
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG22	4	0.21	0.04	0.21
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG23	4	0.21	0.04	0.21

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,711)	1:B:87:LEU:HD11	1:B:91:PHE:H	4	0.2	0.04	0.2
(3,711)	1:B:87:LEU:HD12	1:B:91:PHE:H	4	0.2	0.04	0.2
(3,711)	1:B:87:LEU:HD13	1:B:91:PHE:H	4	0.2	0.04	0.2
(3,711)	1:B:87:LEU:HD11	1:B:100:HIS:H	4	0.2	0.04	0.2
(3,711)	1:B:87:LEU:HD12	1:B:100:HIS:H	4	0.2	0.04	0.2
(3,711)	1:B:87:LEU:HD13	1:B:100:HIS:H	4	0.2	0.04	0.2
(1,1359)	1:B:5:ARG:HB2	1:B:5:ARG:HD3	4	0.2	0.02	0.2
(1,1359)	1:B:5:ARG:HB2	1:B:5:ARG:HD2	4	0.2	0.02	0.2
(1,1969)	1:B:42:THR:HG21	1:B:13:GLU:HG3	4	0.2	0.08	0.16
(1,1969)	1:B:42:THR:HG22	1:B:13:GLU:HG3	4	0.2	0.08	0.16
(1,1969)	1:B:42:THR:HG23	1:B:13:GLU:HG3	4	0.2	0.08	0.16
(1,1969)	1:B:42:THR:HG21	1:B:13:GLU:HG2	4	0.2	0.08	0.16
(1,1969)	1:B:42:THR:HG22	1:B:13:GLU:HG2	4	0.2	0.08	0.16
(1,1969)	1:B:42:THR:HG23	1:B:13:GLU:HG2	4	0.2	0.08	0.16
(1,3)	1:B:102:MET:H	1:B:102:MET:HG3	4	0.18	0.04	0.18
(1,1268)	1:B:114:ILE:HG21	1:B:111:ARG:HA	4	0.18	0.05	0.18
(1,1268)	1:B:114:ILE:HG22	1:B:111:ARG:HA	4	0.18	0.05	0.18
(1,1268)	1:B:114:ILE:HG23	1:B:111:ARG:HA	4	0.18	0.05	0.18
(3,377)	1:B:98:LEU:HD11	1:B:111:ARG:HD2	4	0.18	0.03	0.18
(3,377)	1:B:98:LEU:HD12	1:B:111:ARG:HD2	4	0.18	0.03	0.18
(3,377)	1:B:98:LEU:HD13	1:B:111:ARG:HD2	4	0.18	0.03	0.18
(3,377)	1:B:98:LEU:HD11	1:B:111:ARG:HD3	4	0.18	0.03	0.18
(3,377)	1:B:98:LEU:HD12	1:B:111:ARG:HD3	4	0.18	0.03	0.18
(3,377)	1:B:98:LEU:HD13	1:B:111:ARG:HD3	4	0.18	0.03	0.18
(3,377)	1:B:98:LEU:HD11	1:B:88:PHE:HB3	4	0.18	0.03	0.18
(3,377)	1:B:98:LEU:HD12	1:B:88:PHE:HB3	4	0.18	0.03	0.18
(3,377)	1:B:98:LEU:HD13	1:B:88:PHE:HB3	4	0.18	0.03	0.18
(1,1943)	1:B:62:SER:HB3	1:B:63:VAL:H	4	0.16	0.04	0.15
(2,11)	1:B:110:SER:H	1:B:74:VAL:HB	4	0.15	0.02	0.15
(1,537)	1:B:85:GLN:HE21	1:B:85:GLN:HB2	4	0.15	0.0	0.15
(1,537)	1:B:85:GLN:HE21	1:B:85:GLN:HG3	4	0.15	0.0	0.15
(1,594)	1:B:93:ASP:H	1:B:93:ASP:HB2	4	0.15	0.03	0.15
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD11	4	0.12	0.01	0.11
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD12	4	0.12	0.01	0.11
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD13	4	0.12	0.01	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD11	4	0.12	0.01	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD12	4	0.12	0.01	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD13	4	0.12	0.01	0.11
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD11	4	0.12	0.01	0.11
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD12	4	0.12	0.01	0.11
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD13	4	0.12	0.01	0.11
(3,1227)	1:B:71:THR:HB	1:B:121:LEU:HB3	3	1.21	0.75	1.17

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1227)	1:B:71:THR:HB	1:B:73:ILE:HG13	3	1.21	0.75	1.17
(1,1142)	1:B:75:LEU:HG	1:B:74:VAL:HA	3	1.0	0.45	1.28
(3,662)	1:B:116:ASP:HA	1:B:127:ARG:HG2	3	0.92	0.35	1.08
(3,662)	1:B:87:LEU:HA	1:B:90:GLU:HB2	3	0.92	0.35	1.08
(1,2556)	1:B:17:LEU:HD21	1:B:54:LEU:HA	3	0.92	0.34	0.75
(1,2556)	1:B:17:LEU:HD22	1:B:54:LEU:HA	3	0.92	0.34	0.75
(1,2556)	1:B:17:LEU:HD23	1:B:54:LEU:HA	3	0.92	0.34	0.75
(3,1422)	1:B:52:HIS:HE1	1:B:48:LYS:HD2	3	0.9	0.01	0.91
(3,1422)	1:B:52:HIS:HE1	1:B:56:GLN:HB2	3	0.9	0.01	0.91
(3,384)	1:B:82:LEU:HD11	1:B:83:GLU:HG3	3	0.83	0.04	0.8
(3,384)	1:B:82:LEU:HD12	1:B:83:GLU:HG3	3	0.83	0.04	0.8
(3,384)	1:B:82:LEU:HD13	1:B:83:GLU:HG3	3	0.83	0.04	0.8
(3,384)	1:B:40:LEU:HD21	1:B:13:GLU:HG3	3	0.83	0.04	0.8
(3,384)	1:B:40:LEU:HD22	1:B:13:GLU:HG3	3	0.83	0.04	0.8
(3,384)	1:B:40:LEU:HD23	1:B:13:GLU:HG3	3	0.83	0.04	0.8
(3,384)	1:B:82:LEU:HD11	1:B:83:GLU:HB2	3	0.83	0.04	0.8
(3,384)	1:B:82:LEU:HD12	1:B:83:GLU:HB2	3	0.83	0.04	0.8
(3,384)	1:B:82:LEU:HD13	1:B:83:GLU:HB2	3	0.83	0.04	0.8
(3,384)	1:B:40:LEU:HD21	1:B:13:GLU:HG2	3	0.83	0.04	0.8
(3,384)	1:B:40:LEU:HD22	1:B:13:GLU:HG2	3	0.83	0.04	0.8
(3,384)	1:B:40:LEU:HD23	1:B:13:GLU:HG2	3	0.83	0.04	0.8
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD11	3	0.8	0.26	0.7
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD12	3	0.8	0.26	0.7
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD13	3	0.8	0.26	0.7
(3,1174)	1:B:74:VAL:HG11	1:B:75:LEU:HG	3	0.74	0.45	0.87
(3,1174)	1:B:74:VAL:HG12	1:B:75:LEU:HG	3	0.74	0.45	0.87
(3,1174)	1:B:74:VAL:HG13	1:B:75:LEU:HG	3	0.74	0.45	0.87
(3,1174)	1:B:74:VAL:HG11	1:B:117:LYS:HB3	3	0.74	0.45	0.87
(3,1174)	1:B:74:VAL:HG12	1:B:117:LYS:HB3	3	0.74	0.45	0.87
(3,1174)	1:B:74:VAL:HG13	1:B:117:LYS:HB3	3	0.74	0.45	0.87
(1,2210)	1:B:48:LYS:HG2	1:B:49:GLN:HG2	3	0.74	0.02	0.73
(1,2557)	1:B:17:LEU:HD21	1:B:53:HIS:HB3	3	0.69	0.39	0.44
(1,2557)	1:B:17:LEU:HD22	1:B:53:HIS:HB3	3	0.69	0.39	0.44
(1,2557)	1:B:17:LEU:HD23	1:B:53:HIS:HB3	3	0.69	0.39	0.44
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD21	3	0.66	0.16	0.75
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD22	3	0.66	0.16	0.75
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD23	3	0.66	0.16	0.75
(1,1603)	1:B:66:PHE:HE1	1:B:65:ASP:HB3	3	0.64	0.18	0.69
(1,1603)	1:B:66:PHE:HE2	1:B:65:ASP:HB3	3	0.64	0.18	0.69
(1,883)	1:B:40:LEU:HD11	1:B:43:VAL:H	3	0.6	0.23	0.5
(1,883)	1:B:40:LEU:HD12	1:B:43:VAL:H	3	0.6	0.23	0.5
(1,883)	1:B:40:LEU:HD13	1:B:43:VAL:H	3	0.6	0.23	0.5

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1766)	1:B:17:LEU:HD11	1:B:17:LEU:HA	3	0.59	0.25	0.49
(3,1766)	1:B:17:LEU:HD12	1:B:17:LEU:HA	3	0.59	0.25	0.49
(3,1766)	1:B:17:LEU:HD13	1:B:17:LEU:HA	3	0.59	0.25	0.49
(3,1766)	1:B:17:LEU:HD11	1:B:37:LEU:HA	3	0.59	0.25	0.49
(3,1766)	1:B:17:LEU:HD12	1:B:37:LEU:HA	3	0.59	0.25	0.49
(3,1766)	1:B:17:LEU:HD13	1:B:37:LEU:HA	3	0.59	0.25	0.49
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD21	3	0.55	0.38	0.41
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD22	3	0.55	0.38	0.41
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD23	3	0.55	0.38	0.41
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD21	3	0.55	0.38	0.41
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD22	3	0.55	0.38	0.41
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD23	3	0.55	0.38	0.41
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD11	3	0.54	0.26	0.53
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD12	3	0.54	0.26	0.53
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD13	3	0.54	0.26	0.53
(3,1864)	1:B:6:ALA:HB1	1:B:45:ARG:HD3	3	0.51	0.14	0.44
(3,1864)	1:B:6:ALA:HB2	1:B:45:ARG:HD3	3	0.51	0.14	0.44
(3,1864)	1:B:6:ALA:HB3	1:B:45:ARG:HD3	3	0.51	0.14	0.44
(3,1864)	1:B:6:ALA:HB1	1:B:9:TRP:HB3	3	0.51	0.14	0.44
(3,1864)	1:B:6:ALA:HB2	1:B:9:TRP:HB3	3	0.51	0.14	0.44
(3,1864)	1:B:6:ALA:HB3	1:B:9:TRP:HB3	3	0.51	0.14	0.44
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HB2	3	0.46	0.35	0.24
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HB2	3	0.46	0.35	0.24
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HB2	3	0.46	0.35	0.24
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HG3	3	0.46	0.35	0.24
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HG3	3	0.46	0.35	0.24
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HG3	3	0.46	0.35	0.24
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HB3	3	0.46	0.35	0.24
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HB3	3	0.46	0.35	0.24
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HB3	3	0.46	0.35	0.24
(3,927)	1:B:97:VAL:HG11	1:B:98:LEU:HG	3	0.45	0.38	0.2
(3,927)	1:B:97:VAL:HG12	1:B:98:LEU:HG	3	0.45	0.38	0.2
(3,927)	1:B:97:VAL:HG13	1:B:98:LEU:HG	3	0.45	0.38	0.2
(3,927)	1:B:97:VAL:HG11	1:B:111:ARG:HG2	3	0.45	0.38	0.2
(3,927)	1:B:97:VAL:HG12	1:B:111:ARG:HG2	3	0.45	0.38	0.2
(3,927)	1:B:97:VAL:HG13	1:B:111:ARG:HG2	3	0.45	0.38	0.2
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD11	3	0.45	0.24	0.37
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD12	3	0.45	0.24	0.37
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD13	3	0.45	0.24	0.37
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD11	3	0.45	0.24	0.37
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD12	3	0.45	0.24	0.37
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD13	3	0.45	0.24	0.37

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,257)	1:B:116:ASP:H	1:B:127:ARG:HG3	3	0.42	0.2	0.53
(3,257)	1:B:116:ASP:H	1:B:118:LEU:HB3	3	0.42	0.2	0.53
(1,816)	1:B:138:LEU:H	1:B:138:LEU:HB2	3	0.38	0.08	0.42
(1,816)	1:B:138:LEU:H	1:B:138:LEU:HB3	3	0.38	0.08	0.42
(3,1383)	1:B:54:LEU:HD21	1:B:17:LEU:HG	3	0.37	0.03	0.36
(3,1383)	1:B:54:LEU:HD22	1:B:17:LEU:HG	3	0.37	0.03	0.36
(3,1383)	1:B:54:LEU:HD23	1:B:17:LEU:HG	3	0.37	0.03	0.36
(3,1383)	1:B:54:LEU:HD21	1:B:59:LEU:HG	3	0.37	0.03	0.36
(3,1383)	1:B:54:LEU:HD22	1:B:59:LEU:HG	3	0.37	0.03	0.36
(3,1383)	1:B:54:LEU:HD23	1:B:59:LEU:HG	3	0.37	0.03	0.36
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD11	3	0.37	0.19	0.33
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD12	3	0.37	0.19	0.33
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD13	3	0.37	0.19	0.33
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD11	3	0.37	0.19	0.33
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD12	3	0.37	0.19	0.33
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD13	3	0.37	0.19	0.33
(3,1134)	1:B:52:HIS:HB3	1:B:48:LYS:HG3	3	0.34	0.07	0.36
(3,1134)	1:B:72:HIS:HB3	1:B:121:LEU:HG	3	0.34	0.07	0.36
(3,1134)	1:B:72:HIS:HB3	1:B:117:LYS:HB3	3	0.34	0.07	0.36
(3,1134)	1:B:52:HIS:HB3	1:B:51:ILE:HG12	3	0.34	0.07	0.36
(3,1134)	1:B:72:HIS:HB3	1:B:119:LEU:HB3	3	0.34	0.07	0.36
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG11	3	0.33	0.25	0.18
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG12	3	0.33	0.25	0.18
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG13	3	0.33	0.25	0.18
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG21	3	0.33	0.25	0.18
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG22	3	0.33	0.25	0.18
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG23	3	0.33	0.25	0.18
(3,356)	1:B:82:LEU:HD21	1:B:85:GLN:HE22	3	0.32	0.06	0.29
(3,356)	1:B:82:LEU:HD22	1:B:85:GLN:HE22	3	0.32	0.06	0.29
(3,356)	1:B:82:LEU:HD23	1:B:85:GLN:HE22	3	0.32	0.06	0.29
(3,356)	1:B:130:LEU:HD21	1:B:88:PHE:HE1	3	0.32	0.06	0.29
(3,356)	1:B:130:LEU:HD21	1:B:88:PHE:HE2	3	0.32	0.06	0.29
(3,356)	1:B:130:LEU:HD22	1:B:88:PHE:HE1	3	0.32	0.06	0.29
(3,356)	1:B:130:LEU:HD22	1:B:88:PHE:HE2	3	0.32	0.06	0.29
(3,356)	1:B:130:LEU:HD23	1:B:88:PHE:HE1	3	0.32	0.06	0.29
(3,356)	1:B:130:LEU:HD23	1:B:88:PHE:HE2	3	0.32	0.06	0.29
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG11	3	0.3	0.27	0.11
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG12	3	0.3	0.27	0.11
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG13	3	0.3	0.27	0.11
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG11	3	0.3	0.27	0.11
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG12	3	0.3	0.27	0.11
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG13	3	0.3	0.27	0.11

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD11	3	0.3	0.27	0.11
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD12	3	0.3	0.27	0.11
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD13	3	0.3	0.27	0.11
(3,589)	1:B:84:LEU:HD21	1:B:86:ARG:H	3	0.3	0.13	0.38
(3,589)	1:B:84:LEU:HD22	1:B:86:ARG:H	3	0.3	0.13	0.38
(3,589)	1:B:84:LEU:HD23	1:B:86:ARG:H	3	0.3	0.13	0.38
(3,589)	1:B:84:LEU:HD21	1:B:74:VAL:H	3	0.3	0.13	0.38
(3,589)	1:B:84:LEU:HD22	1:B:74:VAL:H	3	0.3	0.13	0.38
(3,589)	1:B:84:LEU:HD23	1:B:74:VAL:H	3	0.3	0.13	0.38
(3,589)	1:B:84:LEU:HD21	1:B:118:LEU:H	3	0.3	0.13	0.38
(3,589)	1:B:84:LEU:HD22	1:B:118:LEU:H	3	0.3	0.13	0.38
(3,589)	1:B:84:LEU:HD23	1:B:118:LEU:H	3	0.3	0.13	0.38
(1,1695)	1:B:127:ARG:HD2	1:B:116:ASP:H	3	0.29	0.03	0.28
(1,1695)	1:B:127:ARG:HD3	1:B:116:ASP:H	3	0.29	0.03	0.28
(1,2386)	1:B:36:ILE:HB	1:B:33:VAL:HA	3	0.29	0.04	0.31
(1,1977)	1:B:60:ALA:HB1	1:B:66:PHE:HZ	3	0.29	0.2	0.18
(1,1977)	1:B:60:ALA:HB2	1:B:66:PHE:HZ	3	0.29	0.2	0.18
(1,1977)	1:B:60:ALA:HB3	1:B:66:PHE:HZ	3	0.29	0.2	0.18
(3,1231)	1:B:71:THR:HA	1:B:121:LEU:HA	3	0.28	0.11	0.35
(3,1231)	1:B:71:THR:HA	1:B:71:THR:HB	3	0.28	0.11	0.35
(3,603)	1:B:121:LEU:HD11	1:B:71:THR:HB	3	0.27	0.0	0.27
(3,603)	1:B:121:LEU:HD12	1:B:71:THR:HB	3	0.27	0.0	0.27
(3,603)	1:B:121:LEU:HD13	1:B:71:THR:HB	3	0.27	0.0	0.27
(3,603)	1:B:121:LEU:HD11	1:B:121:LEU:HA	3	0.27	0.0	0.27
(3,603)	1:B:121:LEU:HD12	1:B:121:LEU:HA	3	0.27	0.0	0.27
(3,603)	1:B:121:LEU:HD13	1:B:121:LEU:HA	3	0.27	0.0	0.27
(3,619)	1:B:119:LEU:HD11	1:B:115:VAL:HB	3	0.27	0.16	0.15
(3,619)	1:B:119:LEU:HD12	1:B:115:VAL:HB	3	0.27	0.16	0.15
(3,619)	1:B:119:LEU:HD13	1:B:115:VAL:HB	3	0.27	0.16	0.15
(3,619)	1:B:119:LEU:HD11	1:B:126:GLU:HB2	3	0.27	0.16	0.15
(3,619)	1:B:119:LEU:HD12	1:B:126:GLU:HB2	3	0.27	0.16	0.15
(3,619)	1:B:119:LEU:HD13	1:B:126:GLU:HB2	3	0.27	0.16	0.15
(3,619)	1:B:119:LEU:HD11	1:B:126:GLU:HG3	3	0.27	0.16	0.15
(3,619)	1:B:119:LEU:HD12	1:B:126:GLU:HG3	3	0.27	0.16	0.15
(3,619)	1:B:119:LEU:HD13	1:B:126:GLU:HG3	3	0.27	0.16	0.15
(1,1653)	1:B:89:GLU:HG3	1:B:89:GLU:H	3	0.26	0.0	0.26
(3,349)	1:B:33:VAL:HG11	1:B:37:LEU:H	3	0.26	0.06	0.24
(3,349)	1:B:33:VAL:HG12	1:B:37:LEU:H	3	0.26	0.06	0.24
(3,349)	1:B:33:VAL:HG13	1:B:37:LEU:H	3	0.26	0.06	0.24
(3,349)	1:B:130:LEU:HD21	1:B:115:VAL:H	3	0.26	0.06	0.24
(3,349)	1:B:130:LEU:HD22	1:B:115:VAL:H	3	0.26	0.06	0.24
(3,349)	1:B:130:LEU:HD23	1:B:115:VAL:H	3	0.26	0.06	0.24

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG11	3	0.26	0.07	0.26
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG12	3	0.26	0.07	0.26
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG13	3	0.26	0.07	0.26
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG21	3	0.26	0.07	0.26
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG22	3	0.26	0.07	0.26
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG23	3	0.26	0.07	0.26
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG11	3	0.25	0.1	0.18
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG12	3	0.25	0.1	0.18
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG13	3	0.25	0.1	0.18
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG21	3	0.25	0.1	0.18
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG22	3	0.25	0.1	0.18
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG23	3	0.25	0.1	0.18
(1,2293)	1:B:43:VAL:HB	1:B:44:PRO:HD2	3	0.24	0.06	0.26
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG21	3	0.24	0.02	0.24
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG22	3	0.24	0.02	0.24
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG23	3	0.24	0.02	0.24
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD11	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD12	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD13	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD11	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD12	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD13	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD11	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD12	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD13	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG11	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG12	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG13	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG11	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG12	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG13	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG11	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG12	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG13	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG21	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG22	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG23	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG21	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG22	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG23	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG21	3	0.24	0.04	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG22	3	0.24	0.04	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG23	3	0.24	0.04	0.22
(1,1528)	1:B:97:VAL:HG21	1:B:88:PHE:HE1	3	0.23	0.11	0.17
(1,1528)	1:B:97:VAL:HG21	1:B:88:PHE:HE2	3	0.23	0.11	0.17
(1,1528)	1:B:97:VAL:HG22	1:B:88:PHE:HE1	3	0.23	0.11	0.17
(1,1528)	1:B:97:VAL:HG22	1:B:88:PHE:HE2	3	0.23	0.11	0.17
(1,1528)	1:B:97:VAL:HG23	1:B:88:PHE:HE1	3	0.23	0.11	0.17
(1,1528)	1:B:97:VAL:HG23	1:B:88:PHE:HE2	3	0.23	0.11	0.17
(1,2397)	1:B:35:ALA:HB1	1:B:39:HIS:HB3	3	0.23	0.05	0.24
(1,2397)	1:B:35:ALA:HB2	1:B:39:HIS:HB3	3	0.23	0.05	0.24
(1,2397)	1:B:35:ALA:HB3	1:B:39:HIS:HB3	3	0.23	0.05	0.24
(1,1482)	1:B:100:HIS:HD2	1:B:97:VAL:HA	3	0.23	0.12	0.15
(1,859)	1:B:63:VAL:HA	1:B:66:PHE:HD1	3	0.22	0.08	0.2
(1,859)	1:B:63:VAL:HA	1:B:66:PHE:HD2	3	0.22	0.08	0.2
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG21	3	0.22	0.08	0.21
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG22	3	0.22	0.08	0.21
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG23	3	0.22	0.08	0.21
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG21	3	0.22	0.08	0.21
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG22	3	0.22	0.08	0.21
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG23	3	0.22	0.08	0.21
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG21	3	0.22	0.08	0.21
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG22	3	0.22	0.08	0.21
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG23	3	0.22	0.08	0.21
(1,1809)	1:B:74:VAL:HG11	1:B:113:ARG:HD2	3	0.21	0.14	0.11
(1,1809)	1:B:74:VAL:HG12	1:B:113:ARG:HD2	3	0.21	0.14	0.11
(1,1809)	1:B:74:VAL:HG13	1:B:113:ARG:HD2	3	0.21	0.14	0.11
(1,1809)	1:B:74:VAL:HG11	1:B:113:ARG:HD3	3	0.21	0.14	0.11
(1,1809)	1:B:74:VAL:HG12	1:B:113:ARG:HD3	3	0.21	0.14	0.11
(1,1809)	1:B:74:VAL:HG13	1:B:113:ARG:HD3	3	0.21	0.14	0.11
(1,2701)	1:B:118:LEU:HD11	1:B:88:PHE:HB3	3	0.21	0.08	0.18
(1,2701)	1:B:118:LEU:HD12	1:B:88:PHE:HB3	3	0.21	0.08	0.18
(1,2701)	1:B:118:LEU:HD13	1:B:88:PHE:HB3	3	0.21	0.08	0.18
(3,382)	1:B:128:ARG:HG2	1:B:126:GLU:HG3	3	0.2	0.04	0.22
(3,382)	1:B:128:ARG:HG2	1:B:126:GLU:HB2	3	0.2	0.04	0.22
(3,382)	1:B:128:ARG:HG3	1:B:126:GLU:HB2	3	0.2	0.04	0.22
(3,382)	1:B:128:ARG:HG3	1:B:126:GLU:HG3	3	0.2	0.04	0.22
(3,382)	1:B:128:ARG:HG2	1:B:129:GLU:HB3	3	0.2	0.04	0.22
(3,382)	1:B:128:ARG:HG3	1:B:129:GLU:HB3	3	0.2	0.04	0.22
(3,731)	1:B:114:ILE:HG13	1:B:109:ARG:HD3	3	0.19	0.06	0.19
(3,731)	1:B:128:ARG:HB3	1:B:129:GLU:HG2	3	0.19	0.06	0.19
(3,731)	1:B:128:ARG:HB2	1:B:129:GLU:HG2	3	0.19	0.06	0.19
(3,731)	1:B:128:ARG:HB3	1:B:129:GLU:HG3	3	0.19	0.06	0.19
(3,731)	1:B:128:ARG:HB2	1:B:129:GLU:HG3	3	0.19	0.06	0.19

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,756)	1:B:113:ARG:HD3	1:B:110:SER:H	3	0.19	0.05	0.22
(3,756)	1:B:18:ARG:HD3	1:B:18:ARG:H	3	0.19	0.05	0.22
(3,756)	1:B:113:ARG:HD2	1:B:110:SER:H	3	0.19	0.05	0.22
(3,756)	1:B:113:ARG:HD3	1:B:75:LEU:H	3	0.19	0.05	0.22
(3,756)	1:B:113:ARG:HD3	1:B:74:VAL:H	3	0.19	0.05	0.22
(3,357)	1:B:98:LEU:HD11	1:B:114:ILE:H	3	0.19	0.02	0.2
(3,357)	1:B:98:LEU:HD12	1:B:114:ILE:H	3	0.19	0.02	0.2
(3,357)	1:B:98:LEU:HD13	1:B:114:ILE:H	3	0.19	0.02	0.2
(3,357)	1:B:98:LEU:HD11	1:B:116:ASP:H	3	0.19	0.02	0.2
(3,357)	1:B:98:LEU:HD12	1:B:116:ASP:H	3	0.19	0.02	0.2
(3,357)	1:B:98:LEU:HD13	1:B:116:ASP:H	3	0.19	0.02	0.2
(1,1239)	1:B:63:VAL:HB	1:B:66:PHE:HD1	3	0.18	0.08	0.14
(1,1239)	1:B:63:VAL:HB	1:B:66:PHE:HD2	3	0.18	0.08	0.14
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD11	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD12	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD13	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD11	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD12	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD13	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD11	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD12	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD13	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG11	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG12	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG13	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG11	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG12	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG13	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG11	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG12	3	0.18	0.03	0.17
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG13	3	0.18	0.03	0.17
(3,1229)	1:B:71:THR:HA	1:B:73:ILE:HB	3	0.18	0.03	0.18
(3,1229)	1:B:71:THR:HA	1:B:81:GLU:HB2	3	0.18	0.03	0.18
(1,431)	1:B:67:GLN:H	1:B:64:LYS:HB3	3	0.17	0.06	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG21	3	0.17	0.04	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG22	3	0.17	0.04	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG23	3	0.17	0.04	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG11	3	0.17	0.04	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG12	3	0.17	0.04	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG13	3	0.17	0.04	0.16
(1,2754)	1:B:109:ARG:HD2	1:B:114:ILE:H	3	0.17	0.09	0.11
(1,1940)	1:B:63:VAL:HG21	1:B:64:LYS:H	3	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1940)	1:B:63:VAL:HG22	1:B:64:LYS:H	3	0.16	0.02	0.16
(1,1940)	1:B:63:VAL:HG23	1:B:64:LYS:H	3	0.16	0.02	0.16
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD11	3	0.16	0.02	0.15
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD12	3	0.16	0.02	0.15
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD13	3	0.16	0.02	0.15
(3,726)	1:B:114:ILE:HG13	1:B:117:LYS:HD3	3	0.16	0.02	0.15
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG11	3	0.16	0.02	0.15
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG12	3	0.16	0.02	0.15
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG13	3	0.16	0.02	0.15
(3,1137)	1:B:76:TRP:HB2	1:B:81:GLU:HB3	3	0.15	0.05	0.12
(3,1137)	1:B:76:TRP:HB2	1:B:84:LEU:HB3	3	0.15	0.05	0.12
(3,1137)	1:B:52:HIS:HB3	1:B:55:VAL:HB	3	0.15	0.05	0.12
(3,1137)	1:B:76:TRP:HB2	1:B:74:VAL:HB	3	0.15	0.05	0.12
(2,16)	1:B:3:SER:HB3	1:B:44:PRO:HA	3	0.15	0.03	0.14
(3,679)	1:B:97:VAL:HB	1:B:88:PHE:HB2	3	0.14	0.03	0.13
(3,679)	1:B:63:VAL:HB	1:B:51:ILE:HA	3	0.14	0.03	0.13
(3,679)	1:B:63:VAL:HB	1:B:64:LYS:HE3	3	0.14	0.03	0.13
(1,451)	1:B:68:ARG:H	1:B:70:GLY:H	3	0.14	0.01	0.14
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG11	3	0.14	0.02	0.13
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG12	3	0.14	0.02	0.13
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG13	3	0.14	0.02	0.13
(1,959)	1:B:131:TYR:HD1	1:B:127:ARG:HB3	3	0.13	0.01	0.14
(1,959)	1:B:131:TYR:HD2	1:B:127:ARG:HB3	3	0.13	0.01	0.14
(1,959)	1:B:131:TYR:HD1	1:B:127:ARG:HB2	3	0.13	0.01	0.14
(1,959)	1:B:131:TYR:HD2	1:B:127:ARG:HB2	3	0.13	0.01	0.14
(1,1844)	1:B:73:ILE:HD11	1:B:80:GLN:HE21	3	0.13	0.03	0.11
(1,1844)	1:B:73:ILE:HD12	1:B:80:GLN:HE21	3	0.13	0.03	0.11
(1,1844)	1:B:73:ILE:HD13	1:B:80:GLN:HE21	3	0.13	0.03	0.11
(3,935)	1:B:33:VAL:HG21	1:B:37:LEU:HB3	3	0.13	0.01	0.12
(3,935)	1:B:33:VAL:HG22	1:B:37:LEU:HB3	3	0.13	0.01	0.12
(3,935)	1:B:33:VAL:HG23	1:B:37:LEU:HB3	3	0.13	0.01	0.12
(3,935)	1:B:97:VAL:HG21	1:B:98:LEU:HB3	3	0.13	0.01	0.12
(3,935)	1:B:97:VAL:HG22	1:B:98:LEU:HB3	3	0.13	0.01	0.12
(3,935)	1:B:97:VAL:HG23	1:B:98:LEU:HB3	3	0.13	0.01	0.12
(3,935)	1:B:33:VAL:HG21	1:B:47:ARG:HB3	3	0.13	0.01	0.12
(3,935)	1:B:33:VAL:HG22	1:B:47:ARG:HB3	3	0.13	0.01	0.12
(3,935)	1:B:33:VAL:HG23	1:B:47:ARG:HB3	3	0.13	0.01	0.12
(3,60)	1:B:29:GLY:H	1:B:27:VAL:HA	3	0.13	0.02	0.12
(3,60)	1:B:29:GLY:H	1:B:25:LYS:HA	3	0.13	0.02	0.12
(3,713)	1:B:22:LEU:HD21	1:B:22:LEU:H	3	0.12	0.01	0.11
(3,713)	1:B:22:LEU:HD22	1:B:22:LEU:H	3	0.12	0.01	0.11
(3,713)	1:B:22:LEU:HD23	1:B:22:LEU:H	3	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,713)	1:B:33:VAL:HG21	1:B:37:LEU:H	3	0.12	0.01	0.11
(3,713)	1:B:33:VAL:HG22	1:B:37:LEU:H	3	0.12	0.01	0.11
(3,713)	1:B:33:VAL:HG23	1:B:37:LEU:H	3	0.12	0.01	0.11
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD21	3	0.11	0.0	0.11
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD22	3	0.11	0.0	0.11
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD23	3	0.11	0.0	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD21	3	0.11	0.0	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD22	3	0.11	0.0	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD23	3	0.11	0.0	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD11	3	0.11	0.0	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD12	3	0.11	0.0	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD13	3	0.11	0.0	0.11
(1,831)	1:B:80:GLN:HE21	1:B:80:GLN:HB3	3	0.11	0.0	0.11
(3,1221)	1:B:72:HIS:HE1	1:B:75:LEU:HD21	2	1.15	0.03	1.15
(3,1221)	1:B:72:HIS:HE1	1:B:75:LEU:HD22	2	1.15	0.03	1.15
(3,1221)	1:B:72:HIS:HE1	1:B:75:LEU:HD23	2	1.15	0.03	1.15
(3,1221)	1:B:72:HIS:HE1	1:B:74:VAL:HG11	2	1.15	0.03	1.15
(3,1221)	1:B:72:HIS:HE1	1:B:74:VAL:HG12	2	1.15	0.03	1.15
(3,1221)	1:B:72:HIS:HE1	1:B:74:VAL:HG13	2	1.15	0.03	1.15
(3,1221)	1:B:72:HIS:HE1	1:B:73:ILE:HG21	2	1.15	0.03	1.15
(3,1221)	1:B:72:HIS:HE1	1:B:73:ILE:HG22	2	1.15	0.03	1.15
(3,1221)	1:B:72:HIS:HE1	1:B:73:ILE:HG23	2	1.15	0.03	1.15
(1,1822)	1:B:74:VAL:HG21	1:B:75:LEU:HG	2	1.13	0.16	1.13
(1,1822)	1:B:74:VAL:HG22	1:B:75:LEU:HG	2	1.13	0.16	1.13
(1,1822)	1:B:74:VAL:HG23	1:B:75:LEU:HG	2	1.13	0.16	1.13
(1,1822)	1:B:74:VAL:HG21	1:B:75:LEU:HB2	2	1.13	0.16	1.13
(1,1822)	1:B:74:VAL:HG22	1:B:75:LEU:HB2	2	1.13	0.16	1.13
(1,1822)	1:B:74:VAL:HG23	1:B:75:LEU:HB2	2	1.13	0.16	1.13
(1,1517)	1:B:97:VAL:HG11	1:B:98:LEU:HB2	2	1.07	0.27	1.07
(1,1517)	1:B:97:VAL:HG12	1:B:98:LEU:HB2	2	1.07	0.27	1.07
(1,1517)	1:B:97:VAL:HG13	1:B:98:LEU:HB2	2	1.07	0.27	1.07
(1,1526)	1:B:97:VAL:HG21	1:B:88:PHE:HA	2	1.01	0.11	1.01
(1,1526)	1:B:97:VAL:HG22	1:B:88:PHE:HA	2	1.01	0.11	1.01
(1,1526)	1:B:97:VAL:HG23	1:B:88:PHE:HA	2	1.01	0.11	1.01
(1,1577)	1:B:92:ARG:HB3	1:B:97:VAL:HB	2	0.92	0.19	0.92
(1,999)	1:B:67:GLN:HB2	1:B:67:GLN:H	2	0.88	0.03	0.88
(1,1804)	1:B:74:VAL:HG11	1:B:74:VAL:H	2	0.88	0.01	0.88
(1,1804)	1:B:74:VAL:HG12	1:B:74:VAL:H	2	0.88	0.01	0.88
(1,1804)	1:B:74:VAL:HG13	1:B:74:VAL:H	2	0.88	0.01	0.88
(1,2562)	1:B:17:LEU:HD11	1:B:9:TRP:HH2	2	0.8	0.49	0.8
(1,2562)	1:B:17:LEU:HD12	1:B:9:TRP:HH2	2	0.8	0.49	0.8
(1,2562)	1:B:17:LEU:HD13	1:B:9:TRP:HH2	2	0.8	0.49	0.8

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1228)	1:B:71:THR:HB	1:B:73:ILE:HG13	2	0.76	0.49	0.76
(3,1228)	1:B:71:THR:HB	1:B:123:LEU:HG	2	0.76	0.49	0.76
(3,1578)	1:B:98:LEU:HD11	1:B:102:MET:H	2	0.71	0.17	0.71
(3,1578)	1:B:98:LEU:HD12	1:B:102:MET:H	2	0.71	0.17	0.71
(3,1578)	1:B:98:LEU:HD13	1:B:102:MET:H	2	0.71	0.17	0.71
(3,1578)	1:B:98:LEU:HD11	1:B:97:VAL:H	2	0.71	0.17	0.71
(3,1578)	1:B:98:LEU:HD12	1:B:97:VAL:H	2	0.71	0.17	0.71
(3,1578)	1:B:98:LEU:HD13	1:B:97:VAL:H	2	0.71	0.17	0.71
(1,1499)	1:B:98:LEU:HB3	1:B:111:ARG:HD3	2	0.7	0.29	0.7
(1,354)	1:B:56:GLN:HE22	1:B:53:HIS:HE1	2	0.68	0.15	0.68
(1,1425)	1:B:103:LYS:HE2	1:B:103:LYS:H	2	0.59	0.44	0.59
(1,1425)	1:B:103:LYS:HE3	1:B:103:LYS:H	2	0.59	0.44	0.59
(1,312)	1:B:50:ILE:H	1:B:17:LEU:HD11	2	0.58	0.1	0.58
(1,312)	1:B:50:ILE:H	1:B:17:LEU:HD12	2	0.58	0.1	0.58
(1,312)	1:B:50:ILE:H	1:B:17:LEU:HD13	2	0.58	0.1	0.58
(3,1417)	1:B:52:HIS:HD2	1:B:63:VAL:HB	2	0.57	0.04	0.57
(3,1417)	1:B:9:TRP:HE3	1:B:17:LEU:HB3	2	0.57	0.04	0.57
(3,1682)	1:B:28:GLU:HB3	1:B:27:VAL:HG21	2	0.56	0.05	0.56
(3,1682)	1:B:28:GLU:HB3	1:B:27:VAL:HG22	2	0.56	0.05	0.56
(3,1682)	1:B:28:GLU:HB3	1:B:27:VAL:HG23	2	0.56	0.05	0.56
(3,1682)	1:B:86:ARG:HB2	1:B:82:LEU:HD21	2	0.56	0.05	0.56
(3,1682)	1:B:86:ARG:HB2	1:B:82:LEU:HD22	2	0.56	0.05	0.56
(3,1682)	1:B:86:ARG:HB2	1:B:82:LEU:HD23	2	0.56	0.05	0.56
(3,1682)	1:B:86:ARG:HB3	1:B:82:LEU:HD21	2	0.56	0.05	0.56
(3,1682)	1:B:86:ARG:HB3	1:B:82:LEU:HD22	2	0.56	0.05	0.56
(3,1682)	1:B:86:ARG:HB3	1:B:82:LEU:HD23	2	0.56	0.05	0.56
(3,1682)	1:B:28:GLU:HB2	1:B:27:VAL:HG21	2	0.56	0.05	0.56
(3,1682)	1:B:28:GLU:HB2	1:B:27:VAL:HG22	2	0.56	0.05	0.56
(3,1682)	1:B:28:GLU:HB2	1:B:27:VAL:HG23	2	0.56	0.05	0.56
(1,575)	1:B:90:GLU:H	1:B:90:GLU:HB2	2	0.55	0.01	0.55
(3,1862)	1:B:6:ALA:HA	1:B:5:ARG:HB3	2	0.54	0.01	0.54
(3,1862)	1:B:6:ALA:HA	1:B:44:PRO:HB2	2	0.54	0.01	0.54
(1,1806)	1:B:74:VAL:HG11	1:B:109:ARG:HD3	2	0.47	0.12	0.47
(1,1806)	1:B:74:VAL:HG12	1:B:109:ARG:HD3	2	0.47	0.12	0.47
(1,1806)	1:B:74:VAL:HG13	1:B:109:ARG:HD3	2	0.47	0.12	0.47
(3,767)	1:B:62:SER:HB2	1:B:64:LYS:HB2	2	0.46	0.1	0.46
(3,767)	1:B:32:VAL:HA	1:B:30:GLN:HB3	2	0.46	0.1	0.46
(3,767)	1:B:110:SER:HB3	1:B:111:ARG:HB3	2	0.46	0.1	0.46
(3,767)	1:B:110:SER:HB3	1:B:109:ARG:HB2	2	0.46	0.1	0.46
(1,622)	1:B:97:VAL:H	1:B:97:VAL:HG11	2	0.46	0.03	0.46
(1,622)	1:B:97:VAL:H	1:B:97:VAL:HG12	2	0.46	0.03	0.46
(1,622)	1:B:97:VAL:H	1:B:97:VAL:HG13	2	0.46	0.03	0.46

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1660)	1:B:90:GLU:HA	1:B:90:GLU:HG2	2	0.45	0.01	0.45
(3,1712)	1:B:97:VAL:HG21	1:B:88:PHE:HA	2	0.45	0.07	0.45
(3,1712)	1:B:97:VAL:HG22	1:B:88:PHE:HA	2	0.45	0.07	0.45
(3,1712)	1:B:97:VAL:HG23	1:B:88:PHE:HA	2	0.45	0.07	0.45
(3,1712)	1:B:97:VAL:HG21	1:B:98:LEU:HA	2	0.45	0.07	0.45
(3,1712)	1:B:97:VAL:HG22	1:B:98:LEU:HA	2	0.45	0.07	0.45
(3,1712)	1:B:97:VAL:HG23	1:B:98:LEU:HA	2	0.45	0.07	0.45
(3,1712)	1:B:22:LEU:HD21	1:B:21:TYR:HA	2	0.45	0.07	0.45
(3,1712)	1:B:22:LEU:HD22	1:B:21:TYR:HA	2	0.45	0.07	0.45
(3,1712)	1:B:22:LEU:HD23	1:B:21:TYR:HA	2	0.45	0.07	0.45
(1,962)	1:B:131:TYR:HD1	1:B:115:VAL:HG11	2	0.44	0.24	0.44
(1,962)	1:B:131:TYR:HD1	1:B:115:VAL:HG12	2	0.44	0.24	0.44
(1,962)	1:B:131:TYR:HD1	1:B:115:VAL:HG13	2	0.44	0.24	0.44
(1,962)	1:B:131:TYR:HD2	1:B:115:VAL:HG11	2	0.44	0.24	0.44
(1,962)	1:B:131:TYR:HD2	1:B:115:VAL:HG12	2	0.44	0.24	0.44
(1,962)	1:B:131:TYR:HD2	1:B:115:VAL:HG13	2	0.44	0.24	0.44
(3,1545)	1:B:43:VAL:HG11	1:B:7:PRO:HB2	2	0.44	0.2	0.44
(3,1545)	1:B:43:VAL:HG12	1:B:7:PRO:HB2	2	0.44	0.2	0.44
(3,1545)	1:B:43:VAL:HG13	1:B:7:PRO:HB2	2	0.44	0.2	0.44
(3,1545)	1:B:43:VAL:HG11	1:B:45:ARG:HB3	2	0.44	0.2	0.44
(3,1545)	1:B:43:VAL:HG12	1:B:45:ARG:HB3	2	0.44	0.2	0.44
(3,1545)	1:B:43:VAL:HG13	1:B:45:ARG:HB3	2	0.44	0.2	0.44
(3,1545)	1:B:43:VAL:HG11	1:B:45:ARG:HB2	2	0.44	0.2	0.44
(3,1545)	1:B:43:VAL:HG12	1:B:45:ARG:HB2	2	0.44	0.2	0.44
(3,1545)	1:B:43:VAL:HG13	1:B:45:ARG:HB2	2	0.44	0.2	0.44
(1,1763)	1:B:82:LEU:HD11	1:B:85:GLN:HE22	2	0.42	0.06	0.42
(1,1763)	1:B:82:LEU:HD12	1:B:85:GLN:HE22	2	0.42	0.06	0.42
(1,1763)	1:B:82:LEU:HD13	1:B:85:GLN:HE22	2	0.42	0.06	0.42
(1,2177)	1:B:50:ILE:HD11	1:B:37:LEU:HB3	2	0.42	0.09	0.42
(1,2177)	1:B:50:ILE:HD12	1:B:37:LEU:HB3	2	0.42	0.09	0.42
(1,2177)	1:B:50:ILE:HD13	1:B:37:LEU:HB3	2	0.42	0.09	0.42
(1,2120)	1:B:52:HIS:HE1	1:B:56:GLN:HG3	2	0.4	0.26	0.4
(3,942)	1:B:97:VAL:HG11	1:B:98:LEU:H	2	0.4	0.07	0.4
(3,942)	1:B:97:VAL:HG12	1:B:98:LEU:H	2	0.4	0.07	0.4
(3,942)	1:B:97:VAL:HG13	1:B:98:LEU:H	2	0.4	0.07	0.4
(3,942)	1:B:97:VAL:HG11	1:B:97:VAL:H	2	0.4	0.07	0.4
(3,942)	1:B:97:VAL:HG12	1:B:97:VAL:H	2	0.4	0.07	0.4
(3,942)	1:B:97:VAL:HG13	1:B:97:VAL:H	2	0.4	0.07	0.4
(3,1110)	1:B:82:LEU:HD11	1:B:87:LEU:H	2	0.4	0.0	0.4
(3,1110)	1:B:82:LEU:HD12	1:B:87:LEU:H	2	0.4	0.0	0.4
(3,1110)	1:B:82:LEU:HD13	1:B:87:LEU:H	2	0.4	0.0	0.4
(3,1110)	1:B:82:LEU:HD11	1:B:81:GLU:H	2	0.4	0.0	0.4

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1110)	1:B:82:LEU:HD12	1:B:81:GLU:H	2	0.4	0.0	0.4
(3,1110)	1:B:82:LEU:HD13	1:B:81:GLU:H	2	0.4	0.0	0.4
(1,2568)	1:B:17:LEU:HD21	1:B:9:TRP:HZ2	2	0.4	0.28	0.4
(1,2568)	1:B:17:LEU:HD22	1:B:9:TRP:HZ2	2	0.4	0.28	0.4
(1,2568)	1:B:17:LEU:HD23	1:B:9:TRP:HZ2	2	0.4	0.28	0.4
(1,1171)	1:B:119:LEU:HD21	1:B:116:ASP:HB3	2	0.39	0.28	0.39
(1,1171)	1:B:119:LEU:HD22	1:B:116:ASP:HB3	2	0.39	0.28	0.39
(1,1171)	1:B:119:LEU:HD23	1:B:116:ASP:HB3	2	0.39	0.28	0.39
(1,1096)	1:B:123:LEU:HD21	1:B:85:GLN:HG3	2	0.37	0.12	0.37
(1,1096)	1:B:123:LEU:HD22	1:B:85:GLN:HG3	2	0.37	0.12	0.37
(1,1096)	1:B:123:LEU:HD23	1:B:85:GLN:HG3	2	0.37	0.12	0.37
(3,1629)	1:B:35:ALA:HB1	1:B:30:GLN:HG2	2	0.37	0.16	0.37
(3,1629)	1:B:35:ALA:HB2	1:B:30:GLN:HG2	2	0.37	0.16	0.37
(3,1629)	1:B:35:ALA:HB3	1:B:30:GLN:HG2	2	0.37	0.16	0.37
(3,1629)	1:B:35:ALA:HB1	1:B:36:ILE:HG13	2	0.37	0.16	0.37
(3,1629)	1:B:35:ALA:HB2	1:B:36:ILE:HG13	2	0.37	0.16	0.37
(3,1629)	1:B:35:ALA:HB3	1:B:36:ILE:HG13	2	0.37	0.16	0.37
(3,1261)	1:B:65:ASP:HB3	1:B:63:VAL:HG11	2	0.36	0.06	0.36
(3,1261)	1:B:65:ASP:HB3	1:B:63:VAL:HG12	2	0.36	0.06	0.36
(3,1261)	1:B:65:ASP:HB3	1:B:63:VAL:HG13	2	0.36	0.06	0.36
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG11	2	0.36	0.06	0.36
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG12	2	0.36	0.06	0.36
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG13	2	0.36	0.06	0.36
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG21	2	0.36	0.06	0.36
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG22	2	0.36	0.06	0.36
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG23	2	0.36	0.06	0.36
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG11	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG12	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG13	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG11	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG12	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG13	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG11	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG12	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG13	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG21	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG22	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG23	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG21	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG22	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG23	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG21	2	0.36	0.2	0.36

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG22	2	0.36	0.2	0.36
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG23	2	0.36	0.2	0.36
(1,2279)	1:B:43:VAL:HG21	1:B:45:ARG:HG2	2	0.36	0.08	0.36
(1,2279)	1:B:43:VAL:HG22	1:B:45:ARG:HG2	2	0.36	0.08	0.36
(1,2279)	1:B:43:VAL:HG23	1:B:45:ARG:HG2	2	0.36	0.08	0.36
(3,1344)	1:B:30:GLN:HG2	1:B:32:VAL:HG11	2	0.36	0.08	0.36
(3,1344)	1:B:30:GLN:HG2	1:B:32:VAL:HG12	2	0.36	0.08	0.36
(3,1344)	1:B:30:GLN:HG2	1:B:32:VAL:HG13	2	0.36	0.08	0.36
(3,1344)	1:B:30:GLN:HG2	1:B:38:ALA:HB1	2	0.36	0.08	0.36
(3,1344)	1:B:30:GLN:HG2	1:B:38:ALA:HB2	2	0.36	0.08	0.36
(3,1344)	1:B:30:GLN:HG2	1:B:38:ALA:HB3	2	0.36	0.08	0.36
(3,1344)	1:B:56:GLN:HG3	1:B:59:LEU:HB2	2	0.36	0.08	0.36
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD21	2	0.35	0.1	0.35
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD22	2	0.35	0.1	0.35
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD23	2	0.35	0.1	0.35
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD11	2	0.35	0.1	0.35
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD12	2	0.35	0.1	0.35
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD13	2	0.35	0.1	0.35
(1,2276)	1:B:43:VAL:HG21	1:B:49:GLN:HB3	2	0.35	0.0	0.35
(1,2276)	1:B:43:VAL:HG22	1:B:49:GLN:HB3	2	0.35	0.0	0.35
(1,2276)	1:B:43:VAL:HG23	1:B:49:GLN:HB3	2	0.35	0.0	0.35
(1,2276)	1:B:43:VAL:HG21	1:B:49:GLN:HG3	2	0.35	0.0	0.35
(1,2276)	1:B:43:VAL:HG22	1:B:49:GLN:HG3	2	0.35	0.0	0.35
(1,2276)	1:B:43:VAL:HG23	1:B:49:GLN:HG3	2	0.35	0.0	0.35
(1,2276)	1:B:43:VAL:HG21	1:B:49:GLN:HB2	2	0.35	0.0	0.35
(1,2276)	1:B:43:VAL:HG22	1:B:49:GLN:HB2	2	0.35	0.0	0.35
(1,2276)	1:B:43:VAL:HG23	1:B:49:GLN:HB2	2	0.35	0.0	0.35
(1,2699)	1:B:118:LEU:HD11	1:B:123:LEU:HA	2	0.34	0.13	0.34
(1,2699)	1:B:118:LEU:HD12	1:B:123:LEU:HA	2	0.34	0.13	0.34
(1,2699)	1:B:118:LEU:HD13	1:B:123:LEU:HA	2	0.34	0.13	0.34
(1,1557)	1:B:92:ARG:HD2	1:B:89:GLU:HB3	2	0.34	0.22	0.34
(3,923)	1:B:97:VAL:HB	1:B:92:ARG:HA	2	0.34	0.04	0.34
(3,923)	1:B:44:PRO:HB3	1:B:44:PRO:HD2	2	0.34	0.04	0.34
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG11	2	0.34	0.07	0.34
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG12	2	0.34	0.07	0.34
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG13	2	0.34	0.07	0.34
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG21	2	0.34	0.07	0.34
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG22	2	0.34	0.07	0.34
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG23	2	0.34	0.07	0.34
(3,1128)	1:B:72:HIS:HB2	1:B:74:VAL:HG11	2	0.34	0.07	0.34
(3,1128)	1:B:72:HIS:HB2	1:B:74:VAL:HG12	2	0.34	0.07	0.34
(3,1128)	1:B:72:HIS:HB2	1:B:74:VAL:HG13	2	0.34	0.07	0.34

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1993)	1:B:59:LEU:HB2	1:B:57:MET:HB3	2	0.33	0.07	0.33
(1,2221)	1:B:46:THR:HG21	1:B:49:GLN:HB2	2	0.33	0.01	0.33
(1,2221)	1:B:46:THR:HG22	1:B:49:GLN:HB2	2	0.33	0.01	0.33
(1,2221)	1:B:46:THR:HG23	1:B:49:GLN:HB2	2	0.33	0.01	0.33
(1,2221)	1:B:46:THR:HG21	1:B:49:GLN:HB3	2	0.33	0.01	0.33
(1,2221)	1:B:46:THR:HG22	1:B:49:GLN:HB3	2	0.33	0.01	0.33
(1,2221)	1:B:46:THR:HG23	1:B:49:GLN:HB3	2	0.33	0.01	0.33
(1,1585)	1:B:92:ARG:HA	1:B:97:VAL:HB	2	0.32	0.09	0.32
(1,426)	1:B:66:PHE:H	1:B:66:PHE:HD1	2	0.32	0.13	0.32
(1,426)	1:B:66:PHE:H	1:B:66:PHE:HD2	2	0.32	0.13	0.32
(1,1530)	1:B:97:VAL:HG21	1:B:88:PHE:H	2	0.32	0.14	0.32
(1,1530)	1:B:97:VAL:HG22	1:B:88:PHE:H	2	0.32	0.14	0.32
(1,1530)	1:B:97:VAL:HG23	1:B:88:PHE:H	2	0.32	0.14	0.32
(3,210)	1:B:93:ASP:H	1:B:92:ARG:HD3	2	0.32	0.01	0.32
(3,210)	1:B:93:ASP:H	1:B:88:PHE:HB2	2	0.32	0.01	0.32
(3,447)	1:B:134:ARG:HB2	1:B:135:GLN:HG2	2	0.32	0.09	0.32
(3,447)	1:B:134:ARG:HB2	1:B:135:GLN:HG3	2	0.32	0.09	0.32
(3,447)	1:B:134:ARG:HB3	1:B:135:GLN:HG2	2	0.32	0.09	0.32
(3,447)	1:B:134:ARG:HB3	1:B:135:GLN:HG3	2	0.32	0.09	0.32
(3,447)	1:B:127:ARG:HB3	1:B:129:GLU:HG2	2	0.32	0.09	0.32
(3,447)	1:B:127:ARG:HB3	1:B:129:GLU:HG3	2	0.32	0.09	0.32
(3,447)	1:B:127:ARG:HB2	1:B:129:GLU:HG3	2	0.32	0.09	0.32
(1,1900)	1:B:65:ASP:HB3	1:B:64:LYS:HB3	2	0.31	0.09	0.31
(1,1900)	1:B:65:ASP:HB3	1:B:64:LYS:HD2	2	0.31	0.09	0.31
(1,1900)	1:B:65:ASP:HB3	1:B:64:LYS:HD3	2	0.31	0.09	0.31
(3,630)	1:B:37:LEU:HD21	1:B:47:ARG:HA	2	0.31	0.07	0.31
(3,630)	1:B:37:LEU:HD22	1:B:47:ARG:HA	2	0.31	0.07	0.31
(3,630)	1:B:37:LEU:HD23	1:B:47:ARG:HA	2	0.31	0.07	0.31
(3,630)	1:B:59:LEU:HD11	1:B:18:ARG:HA	2	0.31	0.07	0.31
(3,630)	1:B:59:LEU:HD12	1:B:18:ARG:HA	2	0.31	0.07	0.31
(3,630)	1:B:59:LEU:HD13	1:B:18:ARG:HA	2	0.31	0.07	0.31
(1,1163)	1:B:119:LEU:HD11	1:B:129:GLU:HG2	2	0.3	0.12	0.3
(1,1163)	1:B:119:LEU:HD12	1:B:129:GLU:HG2	2	0.3	0.12	0.3
(1,1163)	1:B:119:LEU:HD13	1:B:129:GLU:HG2	2	0.3	0.12	0.3
(1,1163)	1:B:119:LEU:HD11	1:B:129:GLU:HG3	2	0.3	0.12	0.3
(1,1163)	1:B:119:LEU:HD12	1:B:129:GLU:HG3	2	0.3	0.12	0.3
(1,1163)	1:B:119:LEU:HD13	1:B:129:GLU:HG3	2	0.3	0.12	0.3
(1,2248)	1:B:45:ARG:HD3	1:B:9:TRP:HH2	2	0.3	0.08	0.3
(1,444)	1:B:67:GLN:HE21	1:B:33:VAL:HG11	2	0.29	0.15	0.29
(1,444)	1:B:67:GLN:HE21	1:B:33:VAL:HG12	2	0.29	0.15	0.29
(1,444)	1:B:67:GLN:HE21	1:B:33:VAL:HG13	2	0.29	0.15	0.29
(2,14)	1:B:141:SER:H	1:B:139:ALA:HA	2	0.29	0.12	0.29

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,425)	1:B:66:PHE:H	1:B:67:GLN:HB2	2	0.28	0.16	0.28
(3,1477)	1:B:50:ILE:HG12	1:B:50:ILE:H	2	0.26	0.16	0.26
(3,1477)	1:B:50:ILE:HG12	1:B:51:ILE:H	2	0.26	0.16	0.26
(1,1003)	1:B:127:ARG:HD2	1:B:131:TYR:HE1	2	0.26	0.03	0.26
(1,1003)	1:B:127:ARG:HD2	1:B:131:TYR:HE2	2	0.26	0.03	0.26
(1,1263)	1:B:114:ILE:HG21	1:B:84:LEU:HD21	2	0.26	0.05	0.26
(1,1263)	1:B:114:ILE:HG21	1:B:84:LEU:HD22	2	0.26	0.05	0.26
(1,1263)	1:B:114:ILE:HG21	1:B:84:LEU:HD23	2	0.26	0.05	0.26
(1,1263)	1:B:114:ILE:HG22	1:B:84:LEU:HD21	2	0.26	0.05	0.26
(1,1263)	1:B:114:ILE:HG22	1:B:84:LEU:HD22	2	0.26	0.05	0.26
(1,1263)	1:B:114:ILE:HG22	1:B:84:LEU:HD23	2	0.26	0.05	0.26
(1,1263)	1:B:114:ILE:HG23	1:B:84:LEU:HD21	2	0.26	0.05	0.26
(1,1263)	1:B:114:ILE:HG23	1:B:84:LEU:HD22	2	0.26	0.05	0.26
(1,1263)	1:B:114:ILE:HG23	1:B:84:LEU:HD23	2	0.26	0.05	0.26
(1,1421)	1:B:105:ILE:HG21	1:B:102:MET:HG3	2	0.26	0.09	0.26
(1,1421)	1:B:105:ILE:HG22	1:B:102:MET:HG3	2	0.26	0.09	0.26
(1,1421)	1:B:105:ILE:HG23	1:B:102:MET:HG3	2	0.26	0.09	0.26
(3,1575)	1:B:40:LEU:HD11	1:B:45:ARG:HD3	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD12	1:B:45:ARG:HD3	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD13	1:B:45:ARG:HD3	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD11	1:B:14:GLU:HG2	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD12	1:B:14:GLU:HG2	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD13	1:B:14:GLU:HG2	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD11	1:B:9:TRP:HB2	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD12	1:B:9:TRP:HB2	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD13	1:B:9:TRP:HB2	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD11	1:B:53:HIS:HB3	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD12	1:B:53:HIS:HB3	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD13	1:B:53:HIS:HB3	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD11	1:B:41:ASN:HB3	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD12	1:B:41:ASN:HB3	2	0.26	0.01	0.26
(3,1575)	1:B:40:LEU:HD13	1:B:41:ASN:HB3	2	0.26	0.01	0.26
(3,1751)	1:B:113:ARG:HD2	1:B:74:VAL:HG21	2	0.26	0.1	0.26
(3,1751)	1:B:113:ARG:HD2	1:B:74:VAL:HG22	2	0.26	0.1	0.26
(3,1751)	1:B:113:ARG:HD2	1:B:74:VAL:HG23	2	0.26	0.1	0.26
(3,1751)	1:B:113:ARG:HD3	1:B:74:VAL:HG21	2	0.26	0.1	0.26
(3,1751)	1:B:113:ARG:HD3	1:B:74:VAL:HG22	2	0.26	0.1	0.26
(3,1751)	1:B:113:ARG:HD3	1:B:74:VAL:HG23	2	0.26	0.1	0.26
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD11	2	0.26	0.1	0.26
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD12	2	0.26	0.1	0.26
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD13	2	0.26	0.1	0.26
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD21	2	0.26	0.1	0.26

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD22	2	0.26	0.1	0.26
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD23	2	0.26	0.1	0.26
(3,1751)	1:B:18:ARG:HD3	1:B:59:LEU:HD21	2	0.26	0.1	0.26
(3,1751)	1:B:18:ARG:HD3	1:B:59:LEU:HD22	2	0.26	0.1	0.26
(3,1751)	1:B:18:ARG:HD3	1:B:59:LEU:HD23	2	0.26	0.1	0.26
(1,408)	1:B:64:LYS:H	1:B:62:SER:HB3	2	0.26	0.03	0.26
(1,1870)	1:B:71:THR:HB	1:B:71:THR:HA	2	0.26	0.01	0.26
(1,2484)	1:B:25:LYS:HD3	1:B:22:LEU:HD21	2	0.26	0.01	0.26
(1,2484)	1:B:25:LYS:HD3	1:B:22:LEU:HD22	2	0.26	0.01	0.26
(1,2484)	1:B:25:LYS:HD3	1:B:22:LEU:HD23	2	0.26	0.01	0.26
(1,2484)	1:B:25:LYS:HD2	1:B:22:LEU:HD21	2	0.26	0.01	0.26
(1,2484)	1:B:25:LYS:HD2	1:B:22:LEU:HD22	2	0.26	0.01	0.26
(1,2484)	1:B:25:LYS:HD2	1:B:22:LEU:HD23	2	0.26	0.01	0.26
(3,725)	1:B:18:ARG:HB2	1:B:59:LEU:HD11	2	0.26	0.04	0.26
(3,725)	1:B:18:ARG:HB2	1:B:59:LEU:HD12	2	0.26	0.04	0.26
(3,725)	1:B:18:ARG:HB2	1:B:59:LEU:HD13	2	0.26	0.04	0.26
(3,725)	1:B:47:ARG:HB2	1:B:37:LEU:HD21	2	0.26	0.04	0.26
(3,725)	1:B:47:ARG:HB2	1:B:37:LEU:HD22	2	0.26	0.04	0.26
(3,725)	1:B:47:ARG:HB2	1:B:37:LEU:HD23	2	0.26	0.04	0.26
(3,725)	1:B:47:ARG:HB3	1:B:37:LEU:HD21	2	0.26	0.04	0.26
(3,725)	1:B:47:ARG:HB3	1:B:37:LEU:HD22	2	0.26	0.04	0.26
(3,725)	1:B:47:ARG:HB3	1:B:37:LEU:HD23	2	0.26	0.04	0.26
(3,725)	1:B:127:ARG:HB2	1:B:119:LEU:HD21	2	0.26	0.04	0.26
(3,725)	1:B:127:ARG:HB2	1:B:119:LEU:HD22	2	0.26	0.04	0.26
(3,725)	1:B:127:ARG:HB2	1:B:119:LEU:HD23	2	0.26	0.04	0.26
(1,429)	1:B:67:GLN:H	1:B:64:LYS:HA	2	0.25	0.04	0.25
(1,2238)	1:B:45:ARG:HB2	1:B:50:ILE:HD11	2	0.25	0.01	0.25
(1,2238)	1:B:45:ARG:HB2	1:B:50:ILE:HD12	2	0.25	0.01	0.25
(1,2238)	1:B:45:ARG:HB2	1:B:50:ILE:HD13	2	0.25	0.01	0.25
(1,2238)	1:B:45:ARG:HB3	1:B:50:ILE:HD11	2	0.25	0.01	0.25
(1,2238)	1:B:45:ARG:HB3	1:B:50:ILE:HD12	2	0.25	0.01	0.25
(1,2238)	1:B:45:ARG:HB3	1:B:50:ILE:HD13	2	0.25	0.01	0.25
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG11	2	0.24	0.04	0.24
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG12	2	0.24	0.04	0.24
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG13	2	0.24	0.04	0.24
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG21	2	0.24	0.04	0.24
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG22	2	0.24	0.04	0.24
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG23	2	0.24	0.04	0.24
(1,1529)	1:B:97:VAL:HG21	1:B:101:ILE:H	2	0.24	0.01	0.24
(1,1529)	1:B:97:VAL:HG22	1:B:101:ILE:H	2	0.24	0.01	0.24
(1,1529)	1:B:97:VAL:HG23	1:B:101:ILE:H	2	0.24	0.01	0.24
(1,2300)	1:B:43:VAL:HG21	1:B:53:HIS:HD2	2	0.23	0.01	0.23

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2300)	1:B:43:VAL:HG22	1:B:53:HIS:HD2	2	0.23	0.01	0.23
(1,2300)	1:B:43:VAL:HG23	1:B:53:HIS:HD2	2	0.23	0.01	0.23
(1,2032)	1:B:57:MET:HE1	1:B:18:ARG:HA	2	0.22	0.05	0.22
(1,2032)	1:B:57:MET:HE2	1:B:18:ARG:HA	2	0.22	0.05	0.22
(1,2032)	1:B:57:MET:HE3	1:B:18:ARG:HA	2	0.22	0.05	0.22
(3,428)	1:B:4:ARG:HA	1:B:4:ARG:HG2	2	0.22	0.02	0.22
(3,428)	1:B:4:ARG:HA	1:B:4:ARG:HG3	2	0.22	0.02	0.22
(3,428)	1:B:137:LYS:HA	1:B:137:LYS:HD3	2	0.22	0.02	0.22
(3,428)	1:B:136:LYS:HA	1:B:136:LYS:HD3	2	0.22	0.02	0.22
(3,428)	1:B:136:LYS:HA	1:B:136:LYS:HD2	2	0.22	0.02	0.22
(3,428)	1:B:137:LYS:HA	1:B:138:LEU:HB3	2	0.22	0.02	0.22
(1,2241)	1:B:45:ARG:HD3	1:B:53:HIS:HD2	2	0.22	0.02	0.22
(3,960)	1:B:92:ARG:HD2	1:B:123:LEU:HD11	2	0.22	0.08	0.22
(3,960)	1:B:92:ARG:HD2	1:B:123:LEU:HD12	2	0.22	0.08	0.22
(3,960)	1:B:92:ARG:HD2	1:B:123:LEU:HD13	2	0.22	0.08	0.22
(3,960)	1:B:92:ARG:HD2	1:B:118:LEU:HD21	2	0.22	0.08	0.22
(3,960)	1:B:92:ARG:HD2	1:B:118:LEU:HD22	2	0.22	0.08	0.22
(3,960)	1:B:92:ARG:HD2	1:B:118:LEU:HD23	2	0.22	0.08	0.22
(3,939)	1:B:97:VAL:HG21	1:B:92:ARG:H	2	0.21	0.05	0.21
(3,939)	1:B:97:VAL:HG22	1:B:92:ARG:H	2	0.21	0.05	0.21
(3,939)	1:B:97:VAL:HG23	1:B:92:ARG:H	2	0.21	0.05	0.21
(3,939)	1:B:97:VAL:HG21	1:B:99:GLY:H	2	0.21	0.05	0.21
(3,939)	1:B:97:VAL:HG22	1:B:99:GLY:H	2	0.21	0.05	0.21
(3,939)	1:B:97:VAL:HG23	1:B:99:GLY:H	2	0.21	0.05	0.21
(1,2278)	1:B:43:VAL:HG21	1:B:45:ARG:HB3	2	0.2	0.06	0.2
(1,2278)	1:B:43:VAL:HG22	1:B:45:ARG:HB3	2	0.2	0.06	0.2
(1,2278)	1:B:43:VAL:HG23	1:B:45:ARG:HB3	2	0.2	0.06	0.2
(1,2278)	1:B:43:VAL:HG21	1:B:45:ARG:HB2	2	0.2	0.06	0.2
(1,2278)	1:B:43:VAL:HG22	1:B:45:ARG:HB2	2	0.2	0.06	0.2
(1,2278)	1:B:43:VAL:HG23	1:B:45:ARG:HB2	2	0.2	0.06	0.2
(3,1771)	1:B:17:LEU:HD21	1:B:53:HIS:HB2	2	0.2	0.06	0.2
(3,1771)	1:B:17:LEU:HD22	1:B:53:HIS:HB2	2	0.2	0.06	0.2
(3,1771)	1:B:17:LEU:HD23	1:B:53:HIS:HB2	2	0.2	0.06	0.2
(3,1771)	1:B:17:LEU:HD21	1:B:17:LEU:HB3	2	0.2	0.06	0.2
(3,1771)	1:B:17:LEU:HD22	1:B:17:LEU:HB3	2	0.2	0.06	0.2
(3,1771)	1:B:17:LEU:HD23	1:B:17:LEU:HB3	2	0.2	0.06	0.2
(2,44)	1:B:50:ILE:HD11	1:B:40:LEU:H	2	0.19	0.02	0.19
(2,44)	1:B:50:ILE:HD12	1:B:40:LEU:H	2	0.19	0.02	0.19
(2,44)	1:B:50:ILE:HD13	1:B:40:LEU:H	2	0.19	0.02	0.19
(1,898)	1:B:82:LEU:HD21	1:B:86:ARG:HD3	2	0.18	0.04	0.18
(1,898)	1:B:82:LEU:HD22	1:B:86:ARG:HD3	2	0.18	0.04	0.18
(1,898)	1:B:82:LEU:HD23	1:B:86:ARG:HD3	2	0.18	0.04	0.18

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,898)	1:B:82:LEU:HD21	1:B:86:ARG:HD2	2	0.18	0.04	0.18
(1,898)	1:B:82:LEU:HD22	1:B:86:ARG:HD2	2	0.18	0.04	0.18
(1,898)	1:B:82:LEU:HD23	1:B:86:ARG:HD2	2	0.18	0.04	0.18
(1,1966)	1:B:60:ALA:HB1	1:B:54:LEU:HD11	2	0.18	0.01	0.18
(1,1966)	1:B:60:ALA:HB1	1:B:54:LEU:HD12	2	0.18	0.01	0.18
(1,1966)	1:B:60:ALA:HB1	1:B:54:LEU:HD13	2	0.18	0.01	0.18
(1,1966)	1:B:60:ALA:HB2	1:B:54:LEU:HD11	2	0.18	0.01	0.18
(1,1966)	1:B:60:ALA:HB2	1:B:54:LEU:HD12	2	0.18	0.01	0.18
(1,1966)	1:B:60:ALA:HB2	1:B:54:LEU:HD13	2	0.18	0.01	0.18
(1,1966)	1:B:60:ALA:HB3	1:B:54:LEU:HD11	2	0.18	0.01	0.18
(1,1966)	1:B:60:ALA:HB3	1:B:54:LEU:HD12	2	0.18	0.01	0.18
(1,1966)	1:B:60:ALA:HB3	1:B:54:LEU:HD13	2	0.18	0.01	0.18
(1,2159)	1:B:51:ILE:HD11	1:B:66:PHE:H	2	0.18	0.0	0.18
(1,2159)	1:B:51:ILE:HD12	1:B:66:PHE:H	2	0.18	0.0	0.18
(1,2159)	1:B:51:ILE:HD13	1:B:66:PHE:H	2	0.18	0.0	0.18
(1,930)	1:B:134:ARG:HD3	1:B:134:ARG:H	2	0.18	0.03	0.18
(1,930)	1:B:134:ARG:HD2	1:B:134:ARG:H	2	0.18	0.03	0.18
(1,2359)	1:B:38:ALA:HA	1:B:37:LEU:HD11	2	0.18	0.0	0.18
(1,2359)	1:B:38:ALA:HA	1:B:37:LEU:HD12	2	0.18	0.0	0.18
(1,2359)	1:B:38:ALA:HA	1:B:37:LEU:HD13	2	0.18	0.0	0.18
(1,1923)	1:B:64:LYS:HB3	1:B:63:VAL:H	2	0.17	0.02	0.17
(3,331)	1:B:70:GLY:H	1:B:69:LYS:H	2	0.17	0.01	0.17
(3,331)	1:B:70:GLY:H	1:B:71:THR:H	2	0.17	0.01	0.17
(3,1670)	1:B:32:VAL:HG21	1:B:22:LEU:H	2	0.16	0.06	0.16
(3,1670)	1:B:32:VAL:HG22	1:B:22:LEU:H	2	0.16	0.06	0.16
(3,1670)	1:B:32:VAL:HG23	1:B:22:LEU:H	2	0.16	0.06	0.16
(3,1670)	1:B:32:VAL:HG21	1:B:37:LEU:H	2	0.16	0.06	0.16
(3,1670)	1:B:32:VAL:HG22	1:B:37:LEU:H	2	0.16	0.06	0.16
(3,1670)	1:B:32:VAL:HG23	1:B:37:LEU:H	2	0.16	0.06	0.16
(1,1225)	1:B:63:VAL:HG11	1:B:51:ILE:HG21	2	0.16	0.03	0.16
(1,1225)	1:B:63:VAL:HG11	1:B:51:ILE:HG22	2	0.16	0.03	0.16
(1,1225)	1:B:63:VAL:HG11	1:B:51:ILE:HG23	2	0.16	0.03	0.16
(1,1225)	1:B:63:VAL:HG12	1:B:51:ILE:HG21	2	0.16	0.03	0.16
(1,1225)	1:B:63:VAL:HG12	1:B:51:ILE:HG22	2	0.16	0.03	0.16
(1,1225)	1:B:63:VAL:HG12	1:B:51:ILE:HG23	2	0.16	0.03	0.16
(1,1225)	1:B:63:VAL:HG13	1:B:51:ILE:HG21	2	0.16	0.03	0.16
(1,1225)	1:B:63:VAL:HG13	1:B:51:ILE:HG22	2	0.16	0.03	0.16
(1,1225)	1:B:63:VAL:HG13	1:B:51:ILE:HG23	2	0.16	0.03	0.16
(1,1920)	1:B:30:GLN:HB3	1:B:30:GLN:HE21	2	0.16	0.04	0.16
(1,2196)	1:B:49:GLN:HG2	1:B:46:THR:HG21	2	0.16	0.05	0.16
(1,2196)	1:B:49:GLN:HG2	1:B:46:THR:HG22	2	0.16	0.05	0.16
(1,2196)	1:B:49:GLN:HG2	1:B:46:THR:HG23	2	0.16	0.05	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,723)	1:B:117:LYS:H	1:B:114:ILE:HG12	2	0.16	0.01	0.16
(1,175)	1:B:30:GLN:HE22	1:B:30:GLN:HG2	2	0.15	0.01	0.15
(3,906)	1:B:37:LEU:HD11	1:B:47:ARG:HD3	2	0.15	0.02	0.15
(3,906)	1:B:37:LEU:HD12	1:B:47:ARG:HD3	2	0.15	0.02	0.15
(3,906)	1:B:37:LEU:HD13	1:B:47:ARG:HD3	2	0.15	0.02	0.15
(3,906)	1:B:37:LEU:HD11	1:B:47:ARG:HD2	2	0.15	0.02	0.15
(3,906)	1:B:37:LEU:HD12	1:B:47:ARG:HD2	2	0.15	0.02	0.15
(3,906)	1:B:37:LEU:HD13	1:B:47:ARG:HD2	2	0.15	0.02	0.15
(3,906)	1:B:98:LEU:HD21	1:B:111:ARG:HD2	2	0.15	0.02	0.15
(3,906)	1:B:98:LEU:HD22	1:B:111:ARG:HD2	2	0.15	0.02	0.15
(3,906)	1:B:98:LEU:HD23	1:B:111:ARG:HD2	2	0.15	0.02	0.15
(3,906)	1:B:98:LEU:HD21	1:B:111:ARG:HD3	2	0.15	0.02	0.15
(3,906)	1:B:98:LEU:HD22	1:B:111:ARG:HD3	2	0.15	0.02	0.15
(3,906)	1:B:98:LEU:HD23	1:B:111:ARG:HD3	2	0.15	0.02	0.15
(1,1701)	1:B:12:GLU:HA	1:B:12:GLU:HG3	2	0.15	0.03	0.15
(3,361)	1:B:82:LEU:HD11	1:B:83:GLU:H	2	0.15	0.03	0.15
(3,361)	1:B:82:LEU:HD12	1:B:83:GLU:H	2	0.15	0.03	0.15
(3,361)	1:B:82:LEU:HD13	1:B:83:GLU:H	2	0.15	0.03	0.15
(3,361)	1:B:82:LEU:HD11	1:B:85:GLN:H	2	0.15	0.03	0.15
(3,361)	1:B:82:LEU:HD12	1:B:85:GLN:H	2	0.15	0.03	0.15
(3,361)	1:B:82:LEU:HD13	1:B:85:GLN:H	2	0.15	0.03	0.15
(3,467)	1:B:133:LYS:HG3	1:B:134:ARG:H	2	0.15	0.03	0.15
(3,467)	1:B:133:LYS:HG2	1:B:134:ARG:H	2	0.15	0.03	0.15
(3,467)	1:B:133:LYS:HG2	1:B:133:LYS:H	2	0.15	0.03	0.15
(3,467)	1:B:133:LYS:HG3	1:B:133:LYS:H	2	0.15	0.03	0.15
(3,467)	1:B:132:LYS:HG3	1:B:133:LYS:H	2	0.15	0.03	0.15
(3,772)	1:B:59:LEU:HG	1:B:59:LEU:H	2	0.15	0.0	0.15
(3,772)	1:B:109:ARG:HG3	1:B:109:ARG:H	2	0.15	0.0	0.15
(1,1175)	1:B:119:LEU:HD11	1:B:118:LEU:H	2	0.14	0.02	0.14
(1,1175)	1:B:119:LEU:HD12	1:B:118:LEU:H	2	0.14	0.02	0.14
(1,1175)	1:B:119:LEU:HD13	1:B:118:LEU:H	2	0.14	0.02	0.14
(1,1352)	1:B:108:LYS:HA	1:B:108:LYS:HE3	2	0.14	0.01	0.14
(1,1352)	1:B:108:LYS:HA	1:B:108:LYS:HE2	2	0.14	0.01	0.14
(3,920)	1:B:98:LEU:HG	1:B:100:HIS:H	2	0.14	0.02	0.14
(3,920)	1:B:98:LEU:HG	1:B:130:LEU:H	2	0.14	0.02	0.14
(1,1451)	1:B:102:MET:HE1	1:B:111:ARG:HG3	2	0.13	0.01	0.13
(1,1451)	1:B:102:MET:HE2	1:B:111:ARG:HG3	2	0.13	0.01	0.13
(1,1451)	1:B:102:MET:HE3	1:B:111:ARG:HG3	2	0.13	0.01	0.13
(3,145)	1:B:66:PHE:H	1:B:65:ASP:HB3	2	0.13	0.02	0.13
(3,145)	1:B:66:PHE:H	1:B:67:GLN:HG2	2	0.13	0.02	0.13
(3,145)	1:B:66:PHE:H	1:B:67:GLN:HG3	2	0.13	0.02	0.13
(3,453)	1:B:47:ARG:HD3	1:B:37:LEU:HD21	2	0.13	0.02	0.13

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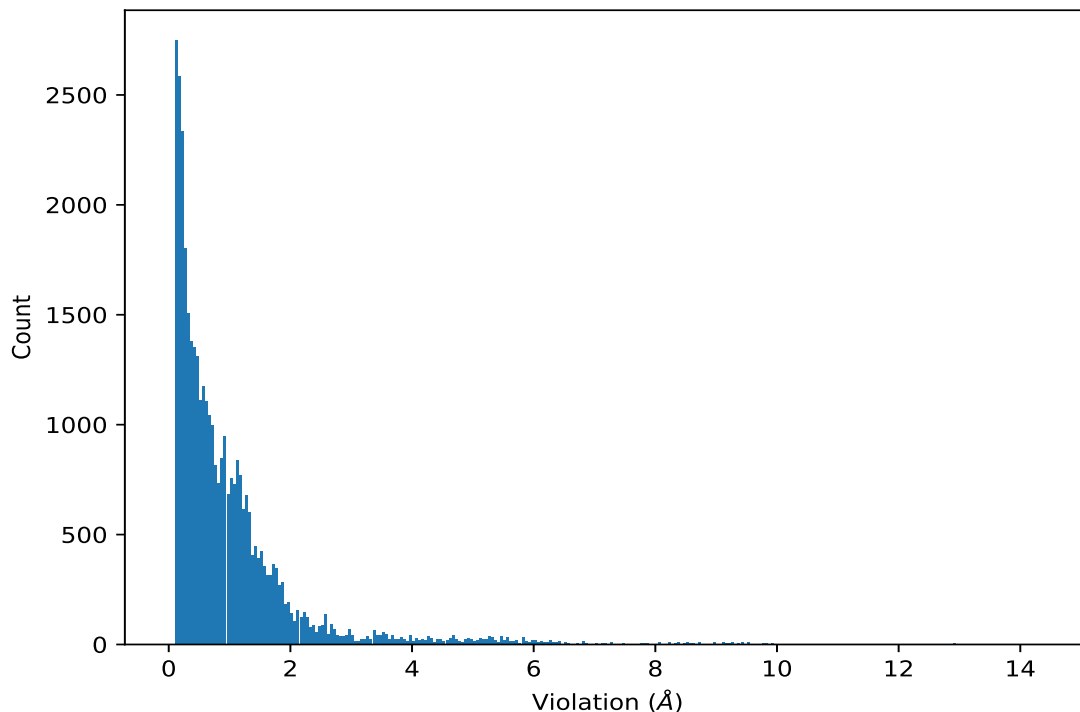
Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(3,453)	1:B:47:ARG:HD3	1:B:37:LEU:HD22	2	0.13	0.02	0.13
(3,453)	1:B:47:ARG:HD3	1:B:37:LEU:HD23	2	0.13	0.02	0.13
(3,453)	1:B:47:ARG:HD2	1:B:37:LEU:HD21	2	0.13	0.02	0.13
(3,453)	1:B:47:ARG:HD2	1:B:37:LEU:HD22	2	0.13	0.02	0.13
(3,453)	1:B:47:ARG:HD2	1:B:37:LEU:HD23	2	0.13	0.02	0.13
(3,453)	1:B:127:ARG:HD3	1:B:119:LEU:HD21	2	0.13	0.02	0.13
(3,453)	1:B:127:ARG:HD3	1:B:119:LEU:HD22	2	0.13	0.02	0.13
(3,453)	1:B:127:ARG:HD3	1:B:119:LEU:HD23	2	0.13	0.02	0.13
(3,453)	1:B:18:ARG:HD2	1:B:59:LEU:HD11	2	0.13	0.02	0.13
(3,453)	1:B:18:ARG:HD2	1:B:59:LEU:HD12	2	0.13	0.02	0.13
(3,453)	1:B:18:ARG:HD2	1:B:59:LEU:HD13	2	0.13	0.02	0.13
(3,453)	1:B:127:ARG:HD2	1:B:119:LEU:HD21	2	0.13	0.02	0.13
(3,453)	1:B:127:ARG:HD2	1:B:119:LEU:HD22	2	0.13	0.02	0.13
(3,453)	1:B:127:ARG:HD2	1:B:119:LEU:HD23	2	0.13	0.02	0.13
(3,611)	1:B:120:ALA:HB1	1:B:119:LEU:HB2	2	0.13	0.02	0.13
(3,611)	1:B:120:ALA:HB2	1:B:119:LEU:HB2	2	0.13	0.02	0.13
(3,611)	1:B:120:ALA:HB3	1:B:119:LEU:HB2	2	0.13	0.02	0.13
(3,611)	1:B:112:ALA:HB1	1:B:111:ARG:HG2	2	0.13	0.02	0.13
(3,611)	1:B:112:ALA:HB2	1:B:111:ARG:HG2	2	0.13	0.02	0.13
(3,611)	1:B:112:ALA:HB3	1:B:111:ARG:HG2	2	0.13	0.02	0.13
(3,611)	1:B:112:ALA:HB1	1:B:127:ARG:HG2	2	0.13	0.02	0.13
(3,611)	1:B:112:ALA:HB2	1:B:127:ARG:HG2	2	0.13	0.02	0.13
(3,611)	1:B:112:ALA:HB3	1:B:127:ARG:HG2	2	0.13	0.02	0.13
(1,807)	1:B:135:GLN:HE21	1:B:135:GLN:HA	2	0.12	0.01	0.12
(1,993)	1:B:129:GLU:HB3	1:B:124:VAL:HG21	2	0.12	0.01	0.12
(1,993)	1:B:129:GLU:HB3	1:B:124:VAL:HG22	2	0.12	0.01	0.12
(1,993)	1:B:129:GLU:HB3	1:B:124:VAL:HG23	2	0.12	0.01	0.12
(1,1957)	1:B:61:ASP:HA	1:B:62:SER:HB3	2	0.12	0.01	0.12
(1,2610)	1:B:12:GLU:HG2	1:B:12:GLU:HB3	2	0.11	0.0	0.11
(3,1196)	1:B:73:ILE:HD11	1:B:71:THR:HB	2	0.11	0.0	0.11
(3,1196)	1:B:73:ILE:HD12	1:B:71:THR:HB	2	0.11	0.0	0.11
(3,1196)	1:B:73:ILE:HD13	1:B:71:THR:HB	2	0.11	0.0	0.11
(3,1196)	1:B:73:ILE:HD11	1:B:73:ILE:HA	2	0.11	0.0	0.11
(3,1196)	1:B:73:ILE:HD12	1:B:73:ILE:HA	2	0.11	0.0	0.11
(3,1196)	1:B:73:ILE:HD13	1:B:73:ILE:HA	2	0.11	0.0	0.11

<sup>1</sup>Number of violated models, <sup>2</sup>Standard deviation

## 9.5 All violated distance restraints [i](#)

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

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



### 9.5.2 Table : All distance violations [i](#)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	7	14.41
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	19	14.2
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	10	13.84
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	2	13.7
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	8	12.91
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	18	12.91
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	16	12.9
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	16	12.9
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	16	12.9
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	16	12.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	16	12.9
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	16	12.9
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	13	12.6
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	16	12.57
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	20	11.98
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	12	11.62
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	9	11.51
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	17	11.39
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	14	11.34
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	5	11.18
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	11	10.87
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	1	10.81
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	4	10.68
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	19	10.56
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	19	10.56
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	19	10.56
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	3	10.46
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	10	10.45
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	10	10.45
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	10	10.45
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	7	10.39
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	7	10.39
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	7	10.39
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	19	10.33
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	19	10.33
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	19	10.33
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	7	10.15
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	7	10.15
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	7	10.15
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	15	10.13
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	4	9.94
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	4	9.94
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	4	9.94
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	16	9.94
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	16	9.94
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	16	9.94
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	13	9.85
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	13	9.85
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	13	9.85
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	7	9.84
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	7	9.84
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	7	9.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	20	9.82
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	20	9.82
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	20	9.82
(1,1868)	1:B:71:THR:HA	1:B:121:LEU:HB2	6	9.79
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	19	9.79
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	19	9.79
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	19	9.79
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	12	9.76
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	12	9.76
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	12	9.76
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	18	9.69
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	18	9.69
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	18	9.69
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	8	9.63
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	8	9.63
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	8	9.63
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	5	9.59
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	5	9.59
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	5	9.59
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	13	9.54
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	13	9.54
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	13	9.54
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	20	9.53
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	20	9.53
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	20	9.53
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	16	9.53
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	16	9.53
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	16	9.53
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	3	9.52
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	3	9.52
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	3	9.52
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	10	9.44
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	10	9.44
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	10	9.44
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	16	9.41
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	16	9.41
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	16	9.41
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	19	9.41
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	19	9.41
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	19	9.41
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	17	9.41
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	17	9.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	17	9.41
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	10	9.35
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	10	9.35
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	10	9.35
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	9	9.35
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	9	9.35
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	9	9.35
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	20	9.3
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	20	9.3
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	20	9.3
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	18	9.28
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	18	9.28
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	18	9.28
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	8	9.26
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	8	9.26
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	8	9.26
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	5	9.26
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	5	9.26
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	5	9.26
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	1	9.24
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	1	9.24
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	1	9.24
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	18	9.21
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	18	9.21
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	18	9.21
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	13	9.18
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	13	9.18
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	13	9.18
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	7	9.17
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	7	9.17
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	7	9.17
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	10	9.13
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	10	9.13
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	10	9.13
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	4	9.12
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	4	9.12
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	4	9.12
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	4	9.1
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	4	9.1
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	4	9.1
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	8	9.0
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	8	9.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	8	9.0
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	2	8.98
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	2	8.98
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	2	8.98
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	10	8.98
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	1	8.97
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	1	8.97
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	1	8.97
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	14	8.97
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	14	8.97
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	14	8.97
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	12	8.95
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	12	8.95
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	12	8.95
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	9	8.9
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	9	8.9
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	9	8.9
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	15	8.89
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	15	8.89
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	15	8.89
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	5	8.78
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	5	8.78
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	5	8.78
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	3	8.72
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	3	8.72
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	3	8.72
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	17	8.72
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	17	8.72
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	17	8.72
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	7	8.72
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	12	8.71
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	12	8.71
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	12	8.71
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	13	8.65
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	13	8.65
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	13	8.65
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	4	8.65
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	6	8.61
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	6	8.61
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	6	8.61
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	9	8.6
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	9	8.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	9	8.6
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	1	8.59
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	1	8.59
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	1	8.59
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	17	8.57
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	17	8.57
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	17	8.57
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	16	8.54
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	16	8.54
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	16	8.54
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	6	8.52
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	6	8.52
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	6	8.52
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	8	8.51
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	8	8.51
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	8	8.51
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	3	8.5
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	3	8.5
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	3	8.5
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	2	8.49
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	2	8.49
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	2	8.49
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	20	8.45
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	20	8.45
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	20	8.45
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	12	8.41
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	12	8.41
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	12	8.41
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	18	8.4
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	4	8.39
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	4	8.39
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	4	8.39
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	11	8.37
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	11	8.37
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	11	8.37
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	5	8.35
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	5	8.35
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	5	8.35
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	15	8.34
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	15	8.34
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	15	8.34
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	14	8.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	14	8.32
(1,538)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	14	8.32
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	17	8.25
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	17	8.25
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	17	8.25
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	6	8.24
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	6	8.24
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	6	8.24
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	18	8.23
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	18	8.23
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	18	8.23
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	17	8.21
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	17	8.21
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	17	8.21
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	1	8.18
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	1	8.18
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	1	8.18
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	3	8.14
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	3	8.14
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	3	8.14
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	2	8.08
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	2	8.08
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	2	8.08
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	15	8.08
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	15	8.08
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	15	8.08
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	9	8.07
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	9	8.07
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	9	8.07
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	2	7.96
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	2	7.96
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	2	7.96
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	5	7.89
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	13	7.89
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	16	7.87
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	16	7.87
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	16	7.87
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	2	7.83
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	2	7.83
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	2	7.83
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	14	7.82
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	14	7.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	14	7.82
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	14	7.79
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	14	7.79
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	14	7.79
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	15	7.76
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	15	7.76
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	15	7.76
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	19	7.71
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	7	7.69
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	7	7.69
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	7	7.69
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	11	7.64
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	11	7.64
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	11	7.64
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	12	7.55
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	1	7.49
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	19	7.45
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	19	7.45
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	19	7.45
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	3	7.45
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	20	7.45
(1,1840)	1:B:73:ILE:HG21	1:B:85:GLN:HE22	11	7.36
(1,1840)	1:B:73:ILE:HG22	1:B:85:GLN:HE22	11	7.36
(1,1840)	1:B:73:ILE:HG23	1:B:85:GLN:HE22	11	7.36
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	11	7.29
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	8	7.28
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	8	7.28
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	8	7.28
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	8	7.28
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	8	7.28
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	8	7.28
(1,1842)	1:B:73:ILE:HG21	1:B:85:GLN:HE21	6	7.25
(1,1842)	1:B:73:ILE:HG22	1:B:85:GLN:HE21	6	7.25
(1,1842)	1:B:73:ILE:HG23	1:B:85:GLN:HE21	6	7.25
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	18	7.2
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	10	7.19
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	10	7.19
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	10	7.19
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	18	7.18
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	18	7.18
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	18	7.18
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	8	7.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	12	7.12
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	8	7.12
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	8	7.12
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	8	7.12
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	15	7.11
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	15	7.1
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	18	7.06
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	18	7.06
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	18	7.06
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	10	7.03
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	10	7.03
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	10	7.03
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	13	7.02
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	13	7.02
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	13	7.02
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	10	6.97
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	8	6.94
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	6	6.86
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	6	6.85
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	6	6.85
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	6	6.85
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	6	6.85
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	6	6.85
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	6	6.85
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	7	6.84
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	7	6.84
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	7	6.84
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	1	6.84
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	1	6.84
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	1	6.84
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	17	6.82
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	17	6.82
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	17	6.82
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	6	6.81
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	6	6.81
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	6	6.81
(1,1845)	1:B:73:ILE:HD11	1:B:85:GLN:HE22	11	6.81
(1,1845)	1:B:73:ILE:HD12	1:B:85:GLN:HE22	11	6.81
(1,1845)	1:B:73:ILE:HD13	1:B:85:GLN:HE22	11	6.81
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	10	6.8
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	20	6.8
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	20	6.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	15	6.78
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	16	6.75
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	10	6.72
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	10	6.72
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	10	6.72
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	7	6.71
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	7	6.71
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	7	6.71
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	9	6.71
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	15	6.67
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	15	6.67
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	15	6.58
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	15	6.58
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	15	6.58
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	18	6.58
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	18	6.58
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	18	6.58
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	10	6.54
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	10	6.54
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	10	6.54
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	10	6.54
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	10	6.54
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	10	6.54
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	4	6.54
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	1	6.51
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	1	6.51
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	1	6.51
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	18	6.44
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	18	6.44
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	18	6.44
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	12	6.4
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	12	6.4
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	12	6.4
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	16	6.4
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	16	6.4
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	16	6.4
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	6	6.4
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	6	6.4
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	6	6.4
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	15	6.4
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	15	6.4
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	15	6.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	12	6.38
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	4	6.38
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	4	6.38
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	4	6.38
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	3	6.37
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	4	6.37
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	4	6.37
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	4	6.37
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	8	6.36
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	8	6.36
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	8	6.36
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	2	6.35
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	7	6.33
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	7	6.33
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	7	6.33
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	3	6.31
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	3	6.31
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	3	6.31
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	3	6.31
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	3	6.31
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	3	6.31
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	4	6.31
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	4	6.31
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	4	6.31
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	4	6.29
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	12	6.29
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	12	6.29
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	12	6.29
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	12	6.28
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	12	6.28
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	12	6.28
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	19	6.28
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	19	6.28
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	19	6.28
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	20	6.28
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	20	6.28
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	20	6.28
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	19	6.27
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	19	6.27
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	19	6.27
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	18	6.26
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	18	6.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	18	6.26
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	2	6.25
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	2	6.25
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	5	6.24
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	5	6.24
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	8	6.22
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	12	6.21
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	12	6.21
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	12	6.21
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	7	6.2
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	7	6.2
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	7	6.2
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	7	6.2
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	7	6.2
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	7	6.2
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	3	6.19
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	4	6.19
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	4	6.19
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	4	6.19
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	8	6.17
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	8	6.17
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	8	6.17
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	12	6.15
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	12	6.15
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	12	6.15
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	12	6.15
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	12	6.15
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	12	6.15
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	12	6.14
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	12	6.14
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	20	6.12
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	20	6.12
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	20	6.12
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	20	6.12
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	20	6.12
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	20	6.12
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	5	6.11
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	5	6.11
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	5	6.11
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	5	6.11
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	5	6.11
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	5	6.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	7	6.1
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	7	6.1
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	17	6.09
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	17	6.09
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	18	6.09
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	18	6.09
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	18	6.09
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	18	6.09
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	18	6.09
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	18	6.09
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	7	6.08
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	7	6.08
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	14	6.07
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	12	6.03
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	12	6.03
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	12	6.03
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	12	6.03
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	12	6.03
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	12	6.03
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	12	6.03
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	12	6.03
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	12	6.03
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	20	6.03
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	20	6.03
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	20	6.03
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	20	6.03
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	20	6.03
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	20	6.03
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	20	6.03
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	20	6.03
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	20	6.03
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	13	6.02
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	13	6.02
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	11	6.0
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	11	6.0
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	4	5.99
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	4	5.99
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	4	5.99
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	4	5.99
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	4	5.99
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	4	5.99
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	6	5.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	3	5.98
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	3	5.98
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	3	5.98
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	12	5.97
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	12	5.97
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	13	5.96
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	13	5.96
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	13	5.96
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	17	5.95
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	17	5.95
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	17	5.95
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	3	5.95
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	3	5.95
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	3	5.95
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	3	5.94
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	3	5.94
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	3	5.94
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	15	5.94
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	15	5.94
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	15	5.94
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	3	5.9
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	3	5.9
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	15	5.9
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	15	5.9
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	3	5.9
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	3	5.9
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	3	5.9
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	16	5.89
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	16	5.89
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	7	5.88
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	7	5.88
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	7	5.88
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	20	5.86
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	20	5.86
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	20	5.86
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	19	5.86
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	19	5.86
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	19	5.86
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	19	5.86
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	19	5.86
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	19	5.86
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	10	5.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	10	5.86
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	16	5.84
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	16	5.84
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	16	5.84
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	16	5.84
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	16	5.84
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	16	5.84
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	20	5.84
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	8	5.83
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	8	5.83
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	8	5.83
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	20	5.83
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	20	5.83
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	20	5.83
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	5	5.82
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	5	5.82
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	5	5.82
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	8	5.82
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	8	5.82
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	8	5.82
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	8	5.82
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	8	5.82
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	8	5.82
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	4	5.81
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	4	5.81
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	4	5.81
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	4	5.81
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	4	5.81
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	4	5.81
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	4	5.81
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	4	5.81
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	4	5.81
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	19	5.8
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	19	5.8
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	20	5.75
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	20	5.75
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	9	5.75
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	9	5.75
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	9	5.75
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	9	5.75
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	9	5.75
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	9	5.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	18	5.74
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	18	5.74
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	18	5.74
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	18	5.74
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	18	5.74
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	18	5.74
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	1	5.71
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	1	5.71
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	1	5.71
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	1	5.71
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	1	5.71
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	1	5.71
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	19	5.7
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	19	5.7
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	19	5.7
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	19	5.7
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	19	5.7
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	19	5.7
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	19	5.7
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	19	5.7
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	19	5.7
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	7	5.69
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	7	5.69
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	7	5.69
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	7	5.69
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	7	5.69
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	7	5.69
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	7	5.69
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	7	5.69
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	7	5.69
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	6	5.69
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	6	5.69
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	6	5.69
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	9	5.68
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	9	5.68
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	4	5.66
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	4	5.66
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	4	5.66
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	10	5.62
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	10	5.62
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	10	5.62
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	11	5.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	11	5.62
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	9	5.61
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	9	5.61
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	9	5.61
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	8	5.6
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	8	5.6
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	8	5.6
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	8	5.6
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	8	5.6
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	8	5.6
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	8	5.6
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	8	5.6
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	8	5.6
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	2	5.59
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	2	5.59
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	2	5.59
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	15	5.59
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	15	5.59
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	15	5.59
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	3	5.59
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	3	5.59
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	3	5.59
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	6	5.58
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	6	5.58
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	6	5.58
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	10	5.57
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	10	5.57
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	7	5.57
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	20	5.56
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	20	5.56
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	20	5.56
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	10	5.56
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	10	5.56
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	10	5.56
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	10	5.56
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	10	5.56
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	10	5.56
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	10	5.56
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	10	5.56
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	10	5.56
(1,1337)	1:B:73:ILE:HG13	1:B:81:GLU:HB3	17	5.56
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	6	5.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	6	5.55
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	6	5.55
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	6	5.55
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	6	5.55
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	6	5.55
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	19	5.53
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	19	5.53
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	19	5.53
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	3	5.53
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	3	5.53
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	15	5.52
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	15	5.52
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	15	5.52
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	13	5.52
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	13	5.52
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	13	5.52
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	13	5.52
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	13	5.52
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	13	5.52
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG2	16	5.52
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG3	16	5.52
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	1	5.51
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	1	5.51
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	1	5.51
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	12	5.5
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	12	5.5
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	13	5.49
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	13	5.49
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	13	5.49
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	13	5.49
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	13	5.49
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	13	5.49
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	13	5.49
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	13	5.49
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	13	5.49
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	1	5.49
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	1	5.49
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	1	5.49
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	7	5.48
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	7	5.48
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	7	5.48
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	6	5.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	15	5.47
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	15	5.47
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	15	5.47
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	9	5.47
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	9	5.47
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	9	5.47
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	13	5.47
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	13	5.47
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	13	5.47
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	5	5.45
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	5	5.45
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	9	5.45
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	9	5.45
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	1	5.45
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	1	5.45
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	1	5.45
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	5	5.45
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	5	5.45
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	5	5.45
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	5	5.45
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	5	5.45
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	5	5.45
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	5	5.43
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	5	5.43
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	5	5.43
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	3	5.4
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	3	5.4
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	3	5.4
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	6	5.4
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	6	5.4
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	6	5.4
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	7	5.38
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	7	5.38
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	19	5.38
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	19	5.38
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	19	5.38
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	17	5.37
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	17	5.37
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	17	5.37
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	17	5.37
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	17	5.37
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	17	5.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	1	5.36
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	1	5.36
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	1	5.36
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	13	5.35
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	13	5.35
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	13	5.35
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	19	5.35
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	19	5.35
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	19	5.35
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	2	5.34
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	2	5.34
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	2	5.34
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	2	5.34
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	2	5.34
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	2	5.34
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	2	5.34
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	2	5.34
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	2	5.34
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	15	5.34
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	15	5.34
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	15	5.34
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	8	5.33
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	8	5.33
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	8	5.33
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	7	5.32
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	7	5.32
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	7	5.32
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	7	5.32
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	7	5.32
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	7	5.32
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	7	5.32
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	7	5.32
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	7	5.32
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	7	5.32
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	2	5.31
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	2	5.31
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	2	5.31
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	2	5.31
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	2	5.31
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	2	5.31
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	14	5.3
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	14	5.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	14	5.3
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	2	5.28
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	2	5.28
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	15	5.28
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	15	5.28
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	15	5.28
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	15	5.28
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	15	5.28
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	15	5.28
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	9	5.27
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	9	5.27
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	9	5.27
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	4	5.27
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	4	5.27
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	4	5.27
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	4	5.27
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	4	5.27
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	4	5.27
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	4	5.26
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	4	5.26
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	20	5.26
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	20	5.26
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	20	5.26
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	20	5.26
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	20	5.26
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	20	5.26
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	20	5.26
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	20	5.26
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	20	5.26
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	9	5.25
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	9	5.25
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	9	5.25
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	9	5.25
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	9	5.25
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	9	5.25
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	9	5.25
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	9	5.25
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	9	5.25
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	1	5.25
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	1	5.25
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	1	5.25
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	17	5.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	17	5.24
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	3	5.23
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	3	5.23
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	3	5.23
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	3	5.23
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	3	5.23
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	3	5.23
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	8	5.22
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	8	5.22
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	8	5.22
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	8	5.22
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	8	5.22
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	8	5.22
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	8	5.22
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	8	5.22
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	8	5.22
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	19	5.21
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	10	5.2
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	10	5.2
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	10	5.2
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	10	5.2
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	10	5.2
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	10	5.2
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	10	5.2
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	10	5.2
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	10	5.2
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	4	5.19
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	4	5.19
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	4	5.19
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	4	5.19
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	4	5.19
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	4	5.19
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	4	5.19
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	4	5.19
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	4	5.19
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	19	5.17
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	19	5.17
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	16	5.17
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	16	5.17
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	16	5.17
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	16	5.17
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	16	5.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	16	5.17
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	16	5.17
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	16	5.17
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	16	5.17
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	11	5.17
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	11	5.17
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	11	5.17
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	16	5.14
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	16	5.14
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	16	5.14
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	16	5.14
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	16	5.14
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	16	5.14
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	16	5.14
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	16	5.14
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	16	5.14
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	16	5.13
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	16	5.13
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	16	5.13
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	10	5.11
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	10	5.11
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	1	5.11
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	1	5.11
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	1	5.11
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	16	5.11
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	16	5.11
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	16	5.11
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	13	5.1
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	13	5.1
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	13	5.1
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	13	5.1
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	13	5.1
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	13	5.1
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	13	5.1
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	13	5.1
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	13	5.1
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	2	5.09
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	2	5.09
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	2	5.09
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	10	5.08
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	10	5.08
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	10	5.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	9	5.07
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	9	5.07
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	13	5.07
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	13	5.07
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	19	5.07
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	19	5.07
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	19	5.07
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	19	5.07
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	19	5.07
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	19	5.07
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	19	5.07
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	19	5.07
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	19	5.07
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	13	5.07
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	13	5.07
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	13	5.07
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	18	5.03
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	18	5.03
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	18	5.03
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	18	5.03
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	18	5.03
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	18	5.03
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	18	5.03
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	18	5.03
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	18	5.03
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	15	5.02
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	15	5.02
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	15	5.02
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	15	5.02
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	15	5.02
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	15	5.02
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	18	5.02
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	18	4.99
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	18	4.99
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	18	4.99
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	18	4.99
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	18	4.99
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	18	4.99
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	18	4.99
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	18	4.99
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	18	4.99
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	20	4.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	5	4.98
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	5	4.98
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	5	4.98
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	5	4.98
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	5	4.98
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	5	4.98
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	5	4.98
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	5	4.98
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	5	4.98
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	17	4.97
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	17	4.97
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	17	4.97
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	17	4.97
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	17	4.97
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	17	4.97
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	11	4.96
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	16	4.94
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	16	4.94
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	19	4.94
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	19	4.94
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	19	4.94
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	12	4.94
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	12	4.94
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	12	4.94
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	16	4.93
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	11	4.91
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	11	4.91
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	11	4.91
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	16	4.91
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	13	4.91
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	13	4.91
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	13	4.91
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	5	4.91
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	5	4.91
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	5	4.91
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	1	4.9
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	1	4.9
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	1	4.9
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	1	4.9
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	1	4.9
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	1	4.9
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	1	4.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	1	4.9
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	1	4.9
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	7	4.89
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	7	4.89
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	7	4.89
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	10	4.89
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	10	4.89
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	10	4.89
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	10	4.88
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	10	4.88
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	10	4.88
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	6	4.88
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	6	4.88
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	6	4.88
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	12	4.87
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	12	4.87
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	12	4.87
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	5	4.87
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	5	4.87
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	5	4.87
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	5	4.87
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	5	4.87
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	5	4.87
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	5	4.87
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	5	4.87
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	5	4.87
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	17	4.83
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	20	4.83
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	20	4.83
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	20	4.83
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	4	4.81
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	4	4.81
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	4	4.81
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	4	4.8
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	4	4.8
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	15	4.8
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	15	4.8
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	9	4.8
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	8	4.79
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	8	4.79
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	1	4.79
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	1	4.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	1	4.79
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	5	4.79
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	5	4.79
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	5	4.79
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	4	4.77
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	4	4.77
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	4	4.77
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	4	4.77
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	1	4.77
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	1	4.77
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	1	4.77
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	3	4.74
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	3	4.74
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	3	4.74
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	12	4.74
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	12	4.74
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	12	4.74
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	12	4.74
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	12	4.74
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	12	4.74
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	12	4.74
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	12	4.74
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	12	4.74
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	17	4.73
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	17	4.73
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	17	4.73
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	17	4.73
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	17	4.73
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	17	4.73
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	17	4.73
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	17	4.73
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	17	4.73
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	9	4.7
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	9	4.7
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	9	4.7
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	18	4.7
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	18	4.7
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	18	4.7
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	12	4.69
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	12	4.69
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	12	4.69
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	12	4.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	14	4.68
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	14	4.68
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	14	4.68
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	14	4.68
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	14	4.68
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	14	4.68
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	14	4.68
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	14	4.68
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	14	4.68
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	9	4.68
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	9	4.68
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	9	4.68
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	3	4.67
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	3	4.67
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	3	4.67
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	3	4.67
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	3	4.67
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	3	4.67
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	3	4.67
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	3	4.67
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	3	4.67
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	14	4.66
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	14	4.66
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	1	4.65
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	1	4.65
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	1	4.65
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	1	4.65
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	1	4.65
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	1	4.65
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	1	4.65
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	1	4.65
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	1	4.65
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	3	4.65
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	3	4.65
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	3	4.65
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	3	4.65
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	3	4.65
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	3	4.65
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	3	4.65
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	3	4.65
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	3	4.65
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	4	4.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	4	4.64
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	4	4.64
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	13	4.64
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	13	4.64
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	13	4.64
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	9	4.64
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	9	4.64
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	9	4.64
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	9	4.64
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	9	4.64
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	9	4.64
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	9	4.64
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	9	4.64
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	9	4.64
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	6	4.62
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	6	4.62
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	6	4.62
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	6	4.62
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	6	4.62
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	6	4.62
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	16	4.62
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	16	4.62
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	16	4.62
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	16	4.61
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	16	4.61
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	16	4.61
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	3	4.61
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	3	4.61
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	3	4.61
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	18	4.59
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	18	4.59
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	18	4.59
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	15	4.58
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	15	4.58
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	15	4.58
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	15	4.58
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	15	4.58
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	15	4.58
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	15	4.58
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	15	4.58
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	15	4.58
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	6	4.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	6	4.57
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	20	4.57
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	20	4.57
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	20	4.57
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	3	4.55
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	3	4.55
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	3	4.55
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	14	4.53
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	14	4.53
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	14	4.52
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	14	4.52
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	14	4.52
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	14	4.52
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	14	4.52
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	14	4.52
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	17	4.52
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	17	4.52
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	17	4.52
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	17	4.52
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	17	4.52
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	17	4.52
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	17	4.52
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	17	4.52
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	17	4.52
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	15	4.49
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	15	4.49
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	15	4.49
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	1	4.47
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	1	4.47
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	1	4.47
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	1	4.47
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	1	4.47
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	1	4.47
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	19	4.45
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	19	4.45
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	11	4.45
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	11	4.45
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	11	4.45
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	11	4.45
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	11	4.45
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	11	4.45
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	11	4.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	11	4.45
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	11	4.45
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	19	4.45
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	19	4.45
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	19	4.45
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	8	4.45
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	8	4.45
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	8	4.45
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	10	4.44
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	10	4.44
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	18	4.44
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	18	4.44
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	18	4.44
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	8	4.44
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	8	4.44
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	8	4.44
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	14	4.43
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	14	4.43
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	14	4.43
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	19	4.4
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	19	4.4
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	19	4.4
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	15	4.4
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	15	4.4
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	15	4.4
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	15	4.4
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	15	4.4
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	15	4.4
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	15	4.4
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	15	4.4
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	15	4.4
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	1	4.38
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	11	4.37
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	11	4.37
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	16	4.37
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	16	4.37
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	16	4.37
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	17	4.37
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	17	4.37
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	17	4.37
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	16	4.35
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	16	4.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	9	4.33
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	9	4.33
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	9	4.33
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	12	4.33
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	12	4.33
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	12	4.33
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	12	4.33
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	12	4.33
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	12	4.33
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	8	4.33
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	8	4.33
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	8	4.33
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	14	4.33
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	14	4.33
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	14	4.33
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	18	4.33
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	18	4.33
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	18	4.33
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	4	4.32
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	4	4.32
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	4	4.32
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	17	4.31
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	17	4.31
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	17	4.31
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	13	4.31
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	13	4.31
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	13	4.31
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	4	4.3
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	4	4.3
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	4	4.3
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	6	4.29
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	6	4.29
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	6	4.29
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	6	4.29
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	6	4.29
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	6	4.29
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	6	4.29
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	6	4.29
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	6	4.29
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	18	4.27
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	18	4.27
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	5	4.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	5	4.27
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	5	4.27
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	2	4.27
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	2	4.27
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	2	4.27
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	2	4.27
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	2	4.27
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	2	4.27
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	2	4.27
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	2	4.27
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	2	4.27
(3,1204)	1:B:73:ILE:HD11	1:B:88:PHE:HB3	11	4.26
(3,1204)	1:B:73:ILE:HD12	1:B:88:PHE:HB3	11	4.26
(3,1204)	1:B:73:ILE:HD13	1:B:88:PHE:HB3	11	4.26
(3,1204)	1:B:73:ILE:HD11	1:B:86:ARG:HD2	11	4.26
(3,1204)	1:B:73:ILE:HD12	1:B:86:ARG:HD2	11	4.26
(3,1204)	1:B:73:ILE:HD13	1:B:86:ARG:HD2	11	4.26
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	13	4.26
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	14	4.26
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	14	4.26
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	14	4.26
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	9	4.26
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	9	4.26
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	9	4.26
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	19	4.25
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	1	4.24
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	1	4.24
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	1	4.23
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	1	4.23
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	5	4.23
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	5	4.23
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	5	4.23
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	19	4.23
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	2	4.23
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	2	4.23
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	2	4.23
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	2	4.22
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	3	4.22
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	3	4.22
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	3	4.22
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	11	4.22
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	11	4.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	11	4.22
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	13	4.21
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	19	4.2
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	19	4.2
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	19	4.2
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	18	4.19
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	18	4.19
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	18	4.19
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	7	4.19
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	7	4.19
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	7	4.19
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	17	4.19
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	17	4.19
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	17	4.19
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	8	4.19
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	8	4.19
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	8	4.19
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	4	4.18
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	4	4.18
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	4	4.18
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	12	4.18
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	12	4.18
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	12	4.18
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	6	4.18
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	6	4.18
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	6	4.18
(3,193)	1:B:85:GLN:HE22	1:B:121:LEU:H	11	4.15
(3,193)	1:B:85:GLN:HE22	1:B:71:THR:H	11	4.15
(3,193)	1:B:85:GLN:HE22	1:B:73:ILE:H	11	4.15
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	20	4.15
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	20	4.15
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	20	4.15
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	3	4.14
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	13	4.13
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	13	4.13
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	13	4.13
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	13	4.13
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	13	4.13
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	13	4.13
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	18	4.11
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	18	4.11
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	5	4.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	5	4.11
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	5	4.11
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	10	4.11
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	10	4.11
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	10	4.11
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	11	4.1
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	11	4.1
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	11	4.1
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	14	4.1
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	14	4.1
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	14	4.1
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	15	4.09
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	15	4.09
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	15	4.09
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	20	4.09
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	20	4.09
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	20	4.09
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	5	4.09
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	5	4.09
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	5	4.09
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	15	4.09
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	15	4.09
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	15	4.09
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	7	4.08
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	1	4.08
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	1	4.08
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	1	4.08
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	17	4.07
(3,1208)	1:B:73:ILE:HG21	1:B:88:PHE:HB3	6	4.05
(3,1208)	1:B:73:ILE:HG22	1:B:88:PHE:HB3	6	4.05
(3,1208)	1:B:73:ILE:HG23	1:B:88:PHE:HB3	6	4.05
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD3	6	4.05
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD3	6	4.05
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD3	6	4.05
(3,1208)	1:B:73:ILE:HG21	1:B:127:ARG:HD2	6	4.05
(3,1208)	1:B:73:ILE:HG22	1:B:127:ARG:HD2	6	4.05
(3,1208)	1:B:73:ILE:HG23	1:B:127:ARG:HD2	6	4.05
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	13	4.05
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	13	4.05
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	13	4.05
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	20	4.03
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	20	4.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	20	4.03
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	20	4.03
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	19	4.03
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	19	4.03
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	19	4.03
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	12	4.02
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	12	4.02
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	12	4.02
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	19	4.01
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	19	4.01
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	19	4.01
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	6	4.01
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	14	4.0
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	14	4.0
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	14	4.0
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	1	3.99
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	1	3.99
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	6	3.99
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	6	3.99
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	6	3.99
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	13	3.98
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	13	3.98
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	19	3.98
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	19	3.98
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	19	3.98
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	9	3.97
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	9	3.97
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	14	3.97
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	14	3.97
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	14	3.97
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	14	3.97
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	14	3.97
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	14	3.97
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	14	3.97
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	14	3.97
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	14	3.97
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	5	3.97
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	13	3.97
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	13	3.97
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	13	3.97
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	20	3.97
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	20	3.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	20	3.97
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	20	3.96
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	20	3.96
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	20	3.96
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	10	3.96
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	10	3.96
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	10	3.96
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	18	3.96
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	18	3.96
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	18	3.96
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	10	3.95
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	10	3.95
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	10	3.95
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	7	3.95
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	7	3.95
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	7	3.95
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	8	3.94
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	8	3.94
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	8	3.94
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	17	3.94
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	17	3.94
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	17	3.94
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	10	3.93
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	10	3.93
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	10	3.93
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	13	3.92
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	13	3.92
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	7	3.9
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	7	3.9
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	7	3.9
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	11	3.9
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	11	3.9
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	11	3.9
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	12	3.89
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	12	3.89
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	12	3.89
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	20	3.88
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	9	3.88
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	9	3.88
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	9	3.88
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	7	3.87
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	7	3.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	7	3.87
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	20	3.86
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	20	3.86
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	14	3.86
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	14	3.86
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	14	3.86
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	15	3.85
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	15	3.85
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	18	3.85
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	18	3.85
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	18	3.85
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	18	3.85
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	1	3.85
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	1	3.85
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	1	3.85
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	12	3.85
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	12	3.85
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	12	3.85
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB2	11	3.83
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB2	11	3.83
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB2	11	3.83
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HB3	11	3.83
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HB3	11	3.83
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HB3	11	3.83
(1,1824)	1:B:73:ILE:HD11	1:B:85:GLN:HG3	11	3.83
(1,1824)	1:B:73:ILE:HD12	1:B:85:GLN:HG3	11	3.83
(1,1824)	1:B:73:ILE:HD13	1:B:85:GLN:HG3	11	3.83
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	13	3.83
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	13	3.83
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	13	3.83
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	18	3.82
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	18	3.82
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	18	3.82
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	19	3.82
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	19	3.82
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	19	3.82
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	2	3.82
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	2	3.82
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	2	3.82
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	5	3.81
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	5	3.81
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	2	3.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	2	3.81
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	2	3.81
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	5	3.8
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	5	3.8
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	5	3.8
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	14	3.8
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	14	3.8
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	14	3.8
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	14	3.8
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	9	3.8
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	9	3.8
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	9	3.8
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	5	3.79
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	8	3.79
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	8	3.79
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	8	3.79
(3,882)	1:B:11:PRO:HG3	1:B:57:MET:HB3	8	3.78
(3,882)	1:B:11:PRO:HG3	1:B:18:ARG:HG3	8	3.78
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	7	3.77
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	7	3.77
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	7	3.77
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	7	3.77
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	7	3.77
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	7	3.77
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	7	3.77
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	7	3.77
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	7	3.77
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	7	3.77
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	7	3.77
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	7	3.77
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	7	3.77
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	7	3.77
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	4	3.77
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	4	3.77
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	4	3.77
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	8	3.76
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	8	3.76
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	20	3.75
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	20	3.75
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	12	3.73
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	12	3.73
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	12	3.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	12	3.72
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	12	3.72
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	12	3.72
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	12	3.72
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	12	3.72
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	12	3.72
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	2	3.72
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	2	3.72
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	2	3.72
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	2	3.72
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	11	3.71
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	11	3.71
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	11	3.71
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	14	3.71
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	14	3.71
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	14	3.71
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	19	3.7
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	19	3.7
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	4	3.7
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	4	3.7
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	4	3.7
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	7	3.69
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	7	3.69
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	7	3.69
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	7	3.69
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	7	3.69
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	7	3.69
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	1	3.69
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	1	3.69
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	1	3.69
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	20	3.68
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	20	3.68
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	20	3.68
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	2	3.68
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	2	3.68
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	2	3.68
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	12	3.68
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	7	3.68
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	7	3.68
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	7	3.68
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	17	3.67
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	17	3.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	17	3.67
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	17	3.67
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	17	3.67
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	17	3.67
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	17	3.67
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	17	3.67
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	17	3.67
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	17	3.67
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	6	3.67
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	6	3.67
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	6	3.67
(1,1829)	1:B:73:ILE:HG21	1:B:114:ILE:HG12	6	3.67
(1,1829)	1:B:73:ILE:HG22	1:B:114:ILE:HG12	6	3.67
(1,1829)	1:B:73:ILE:HG23	1:B:114:ILE:HG12	6	3.67
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	1	3.67
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	9	3.66
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	9	3.66
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	9	3.66
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	18	3.66
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	18	3.66
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	16	3.65
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	16	3.65
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	16	3.65
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	17	3.64
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	17	3.64
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	5	3.63
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	5	3.63
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	5	3.63
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	5	3.63
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	5	3.63
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	5	3.63
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	9	3.62
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	9	3.62
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	9	3.62
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	13	3.62
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	13	3.62
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	13	3.62
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	13	3.62
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	2	3.61
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	2	3.61
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	13	3.61
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	13	3.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	13	3.61
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	5	3.6
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	5	3.6
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	11	3.6
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	11	3.6
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	3	3.6
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	3	3.6
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	3	3.6
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	1	3.59
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	1	3.59
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	1	3.59
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	8	3.59
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	8	3.59
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	8	3.59
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	18	3.59
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	18	3.59
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	18	3.59
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	18	3.59
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	18	3.59
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	18	3.59
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	8	3.59
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	8	3.59
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	8	3.59
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	15	3.59
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	15	3.59
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	15	3.59
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	17	3.58
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	17	3.58
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	17	3.58
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	12	3.58
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	12	3.58
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	12	3.58
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	14	3.57
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	14	3.57
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	14	3.57
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	17	3.57
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	17	3.57
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	17	3.57
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	9	3.56
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	20	3.55
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	20	3.55
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	20	3.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	20	3.55
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	20	3.55
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	20	3.55
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	10	3.55
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	10	3.55
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	10	3.55
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	10	3.55
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	10	3.55
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	10	3.55
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	9	3.55
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	9	3.55
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	9	3.55
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	10	3.55
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	10	3.55
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	10	3.55
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	8	3.54
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	8	3.54
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	8	3.54
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	16	3.54
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	16	3.54
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	16	3.54
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	10	3.54
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	10	3.54
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	10	3.54
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	17	3.53
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	17	3.53
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	17	3.53
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	17	3.53
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	17	3.53
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	14	3.53
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	5	3.53
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	5	3.53
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	5	3.53
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	18	3.53
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	18	3.53
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	18	3.53
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	7	3.52
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	7	3.52
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	7	3.52
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	8	3.52
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	8	3.52
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	8	3.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	17	3.52
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	17	3.52
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	10	3.52
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	10	3.52
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	10	3.52
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	10	3.52
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	10	3.52
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	10	3.52
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	10	3.52
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	10	3.52
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	10	3.52
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	17	3.51
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	17	3.51
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	17	3.51
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	17	3.51
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	17	3.51
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	17	3.51
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	13	3.5
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	13	3.5
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	13	3.5
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	20	3.5
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	20	3.5
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	20	3.5
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	13	3.5
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	8	3.5
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	20	3.5
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	20	3.5
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	20	3.5
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	3	3.49
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	3	3.49
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	3	3.49
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	5	3.49
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	5	3.49
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	5	3.49
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	20	3.47
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	20	3.47
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	20	3.47
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	3	3.47
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	3	3.47
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	2	3.47
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	2	3.47
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	2	3.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	2	3.47
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	2	3.47
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	2	3.47
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	2	3.47
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	2	3.47
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	2	3.47
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	11	3.47
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	11	3.47
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	11	3.47
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	7	3.47
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	7	3.47
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	7	3.47
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	15	3.47
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	15	3.47
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	15	3.47
(3,325)	1:B:141:SER:H	1:B:124:VAL:HB	16	3.46
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB3	16	3.46
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB2	16	3.46
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD21	17	3.46
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD22	17	3.46
(1,1852)	1:B:73:ILE:HB	1:B:121:LEU:HD23	17	3.46
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	7	3.46
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	7	3.46
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	7	3.46
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	12	3.46
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	12	3.46
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	14	3.45
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	14	3.45
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	14	3.45
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	14	3.43
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	14	3.43
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	8	3.43
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	8	3.43
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	8	3.43
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	1	3.43
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	1	3.43
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	1	3.43
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	1	3.43
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB1	2	3.42
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB2	2	3.42
(1,1782)	1:B:72:HIS:HB2	1:B:120:ALA:HB3	2	3.42
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	7	3.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	7	3.41
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	7	3.41
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	7	3.41
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	7	3.41
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	7	3.41
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	6	3.41
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	6	3.41
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	6	3.41
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	7	3.41
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	7	3.41
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	15	3.41
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	15	3.41
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	12	3.41
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	12	3.41
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	12	3.41
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	3	3.4
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	3	3.4
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	3	3.4
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	3	3.4
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	3	3.4
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	3	3.4
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	4	3.4
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	4	3.4
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	4	3.4
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	4	3.4
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	4	3.4
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	4	3.4
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	6	3.4
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	6	3.4
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	6	3.4
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	9	3.39
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	9	3.39
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	9	3.39
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	9	3.39
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	9	3.39
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	9	3.39
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	16	3.39
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	16	3.39
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	16	3.39
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	7	3.38
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	7	3.38
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	7	3.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	7	3.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	12	3.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	12	3.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	12	3.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	12	3.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	12	3.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	12	3.38
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	12	3.38
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	12	3.38
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	12	3.38
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	9	3.37
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	9	3.37
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	9	3.37
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	9	3.37
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	9	3.37
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	9	3.37
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	18	3.37
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	18	3.37
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	18	3.37
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	18	3.37
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	18	3.37
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	18	3.37
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	20	3.37
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	20	3.37
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	20	3.37
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	12	3.37
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	12	3.37
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	12	3.37
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	19	3.37
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	19	3.37
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	19	3.37
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	16	3.37
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	16	3.37
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	16	3.37
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	16	3.37
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	16	3.37
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	16	3.37
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	16	3.37
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	16	3.37
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	16	3.37
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	16	3.37
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	16	3.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	16	3.37
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	16	3.37
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	16	3.37
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	16	3.37
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	6	3.36
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	6	3.36
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	6	3.36
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	2	3.35
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	2	3.35
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	2	3.35
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	1	3.34
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	1	3.34
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	1	3.34
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	9	3.33
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	9	3.33
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	9	3.33
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	9	3.33
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	20	3.32
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	6	3.32
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	6	3.32
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	9	3.32
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	16	3.32
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	16	3.32
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	6	3.31
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	6	3.31
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	6	3.31
(3,1138)	1:B:72:HIS:HB2	1:B:121:LEU:HG	14	3.3
(3,1138)	1:B:72:HIS:HB2	1:B:117:LYS:HB3	14	3.3
(3,1138)	1:B:76:TRP:HB3	1:B:105:ILE:HG12	14	3.3
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	19	3.3
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	19	3.3
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	19	3.3
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	19	3.3
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	13	3.29
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	13	3.29
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	13	3.29
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	13	3.29
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	13	3.29
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	13	3.29
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	16	3.29
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	16	3.29
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	13	3.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	13	3.28
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	13	3.28
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	6	3.27
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	6	3.27
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	12	3.27
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	12	3.27
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	12	3.27
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	19	3.26
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	19	3.26
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	19	3.26
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	19	3.26
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	19	3.26
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	19	3.26
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	10	3.25
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	10	3.25
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	10	3.25
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	10	3.25
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	10	3.25
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	10	3.25
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	11	3.25
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	11	3.25
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	11	3.25
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	11	3.25
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	11	3.25
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	11	3.25
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	3	3.25
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	3	3.25
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	3	3.25
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	10	3.22
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	10	3.22
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	10	3.22
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	16	3.22
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	16	3.22
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	16	3.22
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	16	3.22
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	3	3.22
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	3	3.22
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	3	3.22
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	5	3.22
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	5	3.22
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	5	3.22
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	15	3.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	15	3.21
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	15	3.21
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	19	3.2
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	19	3.2
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	19	3.2
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	8	3.2
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	10	3.2
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	10	3.2
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	10	3.2
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	10	3.2
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	4	3.2
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	4	3.2
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	4	3.2
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	17	3.19
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	17	3.19
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	17	3.19
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	15	3.19
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	15	3.19
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	15	3.19
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	15	3.19
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	11	3.18
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	11	3.18
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	2	3.18
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	2	3.18
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	9	3.18
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	9	3.18
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	16	3.17
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	16	3.17
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	16	3.17
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	16	3.17
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	16	3.17
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	16	3.17
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	9	3.17
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	9	3.17
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	9	3.17
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	17	3.17
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	17	3.17
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	17	3.17
(3,151)	1:B:73:ILE:H	1:B:117:LYS:HB3	6	3.14
(3,151)	1:B:73:ILE:H	1:B:121:LEU:HG	6	3.14
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	5	3.14
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	5	3.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	11	3.11
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	11	3.11
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	11	3.11
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	11	3.11
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	16	3.1
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	16	3.1
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	16	3.1
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	4	3.1
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	4	3.1
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	18	3.1
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	18	3.1
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	11	3.09
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	11	3.09
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	11	3.09
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	16	3.08
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	16	3.08
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	16	3.08
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	19	3.07
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	19	3.07
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	18	3.06
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	3	3.06
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	3	3.06
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	3	3.06
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	2	3.06
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	2	3.06
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	2	3.06
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	1	3.05
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	1	3.05
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	2	3.04
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	2	3.04
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	3	3.04
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	3	3.04
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	13	3.03
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	13	3.03
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	13	3.03
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	14	3.03
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	14	3.03
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	14	3.03
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	13	3.02
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	13	3.02
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	13	3.02
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	13	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	13	3.02
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	13	3.02
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	8	3.01
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	8	3.01
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	1	3.01
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	1	3.01
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	1	3.01
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	13	3.01
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	13	3.01
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	13	3.01
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	13	3.01
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	13	3.01
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	13	3.01
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	13	3.01
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	13	3.01
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	13	3.01
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	14	3.01
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	14	3.01
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	3	3.01
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	3	3.01
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	3	3.01
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	18	3.0
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	18	3.0
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	18	3.0
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	1	3.0
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	1	3.0
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	1	3.0
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	13	2.99
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	13	2.99
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	13	2.99
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	10	2.99
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	10	2.99
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	10	2.99
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	1	2.99
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	6	2.99
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	6	2.99
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	6	2.99
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	4	2.98
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	4	2.98
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	4	2.98
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	12	2.98
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	12	2.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	12	2.98
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	4	2.98
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	4	2.98
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	4	2.98
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	4	2.98
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	4	2.98
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	4	2.98
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	8	2.98
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	8	2.98
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	8	2.98
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	3	2.97
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	3	2.97
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	3	2.97
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	6	2.97
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	6	2.97
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	6	2.97
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	15	2.97
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	15	2.97
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	15	2.97
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	15	2.97
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	15	2.97
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	15	2.97
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	16	2.97
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	16	2.97
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	16	2.97
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	16	2.97
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	16	2.97
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	16	2.97
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	8	2.96
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	8	2.96
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	8	2.96
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	8	2.96
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	4	2.96
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	4	2.96
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	4	2.96
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	13	2.96
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	13	2.96
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	13	2.96
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	2	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	3	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	3	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	3	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	7	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	7	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	7	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	9	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	9	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	9	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	11	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	11	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	11	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	18	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	18	2.95
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	18	2.95
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	1	2.94
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	1	2.94
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	1	2.94
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	13	2.93
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	19	2.93
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	11	2.93
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	11	2.93
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	11	2.93
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	10	2.92
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	10	2.92
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	10	2.92
(3,325)	1:B:141:SER:H	1:B:124:VAL:HB	12	2.91
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB3	12	2.91
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB2	12	2.91
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	19	2.91
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	19	2.91
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	19	2.91
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	19	2.91
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	19	2.91
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	19	2.91
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	20	2.91
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	20	2.91
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG3	20	2.91
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG2	20	2.91
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	1	2.91
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	1	2.91
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	1	2.91
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	19	2.91
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	19	2.91
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	19	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	13	2.9
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	13	2.9
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	13	2.9
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	13	2.9
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	13	2.9
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	13	2.9
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	14	2.9
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	14	2.9
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	14	2.9
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	14	2.9
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	14	2.9
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	14	2.9
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	18	2.89
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	18	2.89
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	18	2.89
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	16	2.88
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	16	2.88
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	16	2.88
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	6	2.88
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	6	2.88
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	6	2.88
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	15	2.88
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	15	2.88
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	15	2.88
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	15	2.88
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	15	2.88
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	15	2.88
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	14	2.87
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	14	2.87
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	14	2.87
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	17	2.87
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	17	2.87
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	17	2.87
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	5	2.86
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	5	2.86
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	5	2.86
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	5	2.86
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	5	2.86
(1,1371)	1:B:107:ALA:HB1	1:B:114:ILE:HB	9	2.86
(1,1371)	1:B:107:ALA:HB2	1:B:114:ILE:HB	9	2.86
(1,1371)	1:B:107:ALA:HB3	1:B:114:ILE:HB	9	2.86
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	20	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	20	2.86
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	20	2.86
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	13	2.85
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	13	2.85
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	13	2.85
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	13	2.85
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	13	2.85
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	13	2.85
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	19	2.84
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	19	2.84
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	19	2.84
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	19	2.84
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	19	2.84
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	13	2.84
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	13	2.84
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	13	2.84
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	14	2.82
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	14	2.82
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	14	2.82
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	20	2.81
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	20	2.81
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	20	2.81
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	20	2.81
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	20	2.81
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	20	2.81
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	20	2.81
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	20	2.81
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	20	2.81
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	15	2.81
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	15	2.81
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	15	2.81
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	12	2.81
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	12	2.81
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	12	2.81
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	7	2.8
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	7	2.8
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	7	2.8
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	7	2.8
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	7	2.8
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	7	2.8
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	19	2.8
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	19	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	19	2.8
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	19	2.8
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	19	2.8
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	19	2.8
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	12	2.79
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	12	2.79
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	12	2.79
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	6	2.78
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	6	2.78
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	6	2.78
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	4	2.78
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	4	2.78
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	4	2.78
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	4	2.78
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	4	2.78
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	4	2.78
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	12	2.78
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	2	2.77
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	2	2.77
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	2	2.77
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	8	2.76
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	8	2.76
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	8	2.76
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	8	2.76
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	8	2.76
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	8	2.76
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	18	2.76
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	18	2.76
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	18	2.76
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	18	2.76
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	18	2.76
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	4	2.76
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	4	2.76
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	4	2.76
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	16	2.76
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	9	2.76
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	9	2.76
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	7	2.75
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	7	2.75
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	7	2.75
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	7	2.75
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	7	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	7	2.75
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	20	2.75
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	20	2.75
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	6	2.75
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	6	2.75
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	6	2.75
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	7	2.74
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	7	2.74
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	7	2.74
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	7	2.74
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	7	2.74
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	7	2.74
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	4	2.74
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	4	2.74
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	4	2.74
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	4	2.74
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	4	2.74
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	4	2.74
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	5	2.74
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	9	2.74
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	9	2.74
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	9	2.74
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	3	2.74
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	3	2.74
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	3	2.74
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	8	2.74
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	8	2.74
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	8	2.74
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	8	2.74
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	8	2.74
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	8	2.74
(1,1843)	1:B:73:ILE:HD11	1:B:84:LEU:H	15	2.74
(1,1843)	1:B:73:ILE:HD12	1:B:84:LEU:H	15	2.74
(1,1843)	1:B:73:ILE:HD13	1:B:84:LEU:H	15	2.74
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	2	2.73
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	2	2.73
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	2	2.73
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	11	2.72
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	11	2.72
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	11	2.72
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	11	2.72
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	11	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	11	2.72
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	4	2.72
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	4	2.72
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	4	2.72
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	10	2.72
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	2	2.72
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	2	2.72
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	2	2.72
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	2	2.72
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	2	2.72
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	2	2.72
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	2	2.72
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	2	2.72
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	2	2.72
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	2	2.71
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	13	2.71
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	16	2.71
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	16	2.71
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	16	2.71
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	7	2.7
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	7	2.7
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	7	2.7
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	7	2.7
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	7	2.7
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	1	2.7
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	1	2.7
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	1	2.7
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	1	2.7
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	1	2.7
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	1	2.7
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	1	2.7
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	1	2.7
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	1	2.7
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	8	2.69
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	8	2.69
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	8	2.69
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	8	2.69
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	8	2.69
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	8	2.69
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	8	2.69
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	8	2.69
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	8	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	8	2.69
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	8	2.69
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	8	2.69
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	19	2.69
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	19	2.69
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	19	2.69
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	4	2.69
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	10	2.69
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	11	2.69
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	18	2.69
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	14	2.69
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	14	2.69
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	7	2.69
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	7	2.69
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	7	2.69
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	8	2.68
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	8	2.68
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	15	2.68
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	15	2.68
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	15	2.68
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	3	2.68
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	3	2.68
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	3	2.68
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	5	2.67
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	5	2.67
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	5	2.67
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	5	2.67
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	5	2.67
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	5	2.67
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	5	2.67
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	5	2.67
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	5	2.67
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	15	2.67
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	15	2.67
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	15	2.67
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	15	2.67
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	15	2.67
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	15	2.67
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	1	2.67
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	6	2.67
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	11	2.67
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	11	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	11	2.67
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	10	2.67
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	10	2.67
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	10	2.67
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	7	2.66
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	13	2.66
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	13	2.66
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	13	2.66
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	17	2.65
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	17	2.65
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	17	2.65
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	20	2.65
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	20	2.65
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	20	2.65
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	13	2.65
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	13	2.65
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	13	2.65
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	13	2.65
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	13	2.65
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	13	2.65
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	13	2.65
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	13	2.65
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	13	2.65
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	16	2.65
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	16	2.65
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	16	2.65
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	16	2.65
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	16	2.65
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	16	2.65
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	16	2.65
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	16	2.65
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	16	2.65
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	18	2.65
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	18	2.65
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	18	2.65
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	18	2.65
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	18	2.65
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	18	2.65
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	18	2.65
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	18	2.65
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	18	2.65
(1,1078)	1:B:124:VAL:HG11	1:B:116:ASP:H	5	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:B:124:VAL:HG12	1:B:116:ASP:H	5	2.65
(1,1078)	1:B:124:VAL:HG13	1:B:116:ASP:H	5	2.65
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	15	2.64
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	15	2.64
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	15	2.64
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	11	2.64
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	11	2.64
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	11	2.64
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	16	2.63
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	16	2.63
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	16	2.63
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	16	2.63
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	16	2.63
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	16	2.63
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	13	2.63
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	13	2.63
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	11	2.63
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	20	2.63
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	20	2.63
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	20	2.63
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	3	2.63
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	3	2.63
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	3	2.63
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	3	2.63
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	3	2.63
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	3	2.63
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	3	2.63
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	3	2.63
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	3	2.63
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	9	2.62
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	9	2.62
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	9	2.62
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	20	2.62
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	20	2.62
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	20	2.62
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	8	2.62
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	8	2.62
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	6	2.61
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	6	2.61
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	10	2.61
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	10	2.61
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	19	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	8	2.6
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	8	2.6
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	8	2.6
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	3	2.6
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	3	2.6
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	3	2.6
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	3	2.6
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	20	2.59
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	20	2.59
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	12	2.59
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	12	2.59
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	12	2.59
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	3	2.59
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	3	2.59
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	3	2.59
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	19	2.59
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	5	2.59
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	7	2.59
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	7	2.59
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	7	2.59
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG3	17	2.59
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG2	17	2.59
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	9	2.59
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	9	2.59
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	9	2.59
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	18	2.59
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	18	2.59
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	18	2.59
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	17	2.58
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	17	2.58
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	17	2.58
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	17	2.58
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	17	2.58
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	17	2.58
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	17	2.58
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	17	2.58
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	17	2.58
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	17	2.58
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	17	2.58
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	17	2.58
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	4	2.58
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	4	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	4	2.58
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	4	2.58
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	4	2.58
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	4	2.58
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	4	2.58
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	4	2.58
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	4	2.58
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	4	2.58
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	4	2.58
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	7	2.57
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	7	2.57
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	7	2.57
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	7	2.57
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	7	2.57
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	7	2.57
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	19	2.57
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	19	2.57
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	19	2.57
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	17	2.57
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	17	2.57
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	17	2.57
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	14	2.57
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	14	2.57
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	14	2.57
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	14	2.57
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	14	2.57
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	14	2.57
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	14	2.57
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	14	2.57
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	14	2.57
(3,325)	1:B:141:SER:H	1:B:124:VAL:HB	17	2.56
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB3	17	2.56
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB2	17	2.56
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	12	2.56
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	12	2.56
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	12	2.56
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	12	2.56
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	12	2.56
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	12	2.56
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	12	2.56
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	12	2.56
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	12	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	12	2.56
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	12	2.56
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	12	2.56
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	2	2.56
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	2	2.56
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	2	2.56
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	2	2.56
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	2	2.56
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	2	2.56
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	16	2.56
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	16	2.56
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	16	2.56
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	16	2.56
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	16	2.56
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	16	2.56
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	1	2.56
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	1	2.56
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	1	2.56
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	13	2.56
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	13	2.56
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	13	2.56
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	6	2.56
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	6	2.56
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	6	2.56
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	3	2.56
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	3	2.56
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	3	2.56
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	9	2.56
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	9	2.56
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	9	2.56
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	8	2.56
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	8	2.56
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	8	2.56
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	8	2.56
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	8	2.56
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	8	2.56
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	8	2.56
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	8	2.56
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	8	2.56
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	10	2.55
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	10	2.55
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	10	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	1	2.55
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	1	2.55
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	1	2.55
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	14	2.55
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	14	2.55
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	14	2.55
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	16	2.55
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	16	2.55
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	16	2.55
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	11	2.55
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	11	2.55
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	11	2.55
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	11	2.55
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	11	2.55
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	11	2.55
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	11	2.55
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	11	2.55
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	11	2.55
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	2	2.54
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	2	2.54
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	2	2.54
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	2	2.54
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	2	2.54
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	2	2.54
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	2	2.54
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	2	2.54
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	2	2.54
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	2	2.54
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	2	2.54
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	2	2.54
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	18	2.54
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	18	2.54
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	18	2.54
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	15	2.54
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	18	2.54
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	18	2.54
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	18	2.54
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	5	2.54
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	5	2.54
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	5	2.54
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	12	2.53
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	12	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	16	2.53
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	16	2.53
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	19	2.53
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	19	2.53
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	4	2.53
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	4	2.53
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	4	2.53
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	10	2.53
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	10	2.53
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	8	2.52
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	8	2.52
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	8	2.52
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	8	2.52
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	8	2.52
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	16	2.52
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	16	2.52
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	16	2.52
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	8	2.52
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	8	2.52
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	8	2.52
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	4	2.51
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	4	2.51
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	4	2.51
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	7	2.51
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	7	2.51
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	7	2.51
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	7	2.51
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	7	2.51
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	7	2.51
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	7	2.51
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	7	2.51
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	7	2.51
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	11	2.5
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	11	2.5
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	11	2.5
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	11	2.5
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	11	2.5
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	11	2.5
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	11	2.5
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	11	2.5
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	11	2.5
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	11	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	11	2.5
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	11	2.5
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	1	2.5
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	1	2.5
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	1	2.5
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	1	2.5
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	1	2.5
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	1	2.5
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	3	2.5
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	3	2.5
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	3	2.5
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	16	2.5
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	16	2.5
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	16	2.5
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	6	2.5
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	6	2.5
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	6	2.5
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	6	2.5
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	6	2.5
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	6	2.5
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	6	2.5
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	6	2.5
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	6	2.5
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	14	2.49
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	12	2.49
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	12	2.49
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	12	2.49
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	12	2.49
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	12	2.49
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	12	2.49
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	12	2.49
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	12	2.49
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	12	2.49
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	4	2.48
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	4	2.48
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	4	2.48
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	4	2.48
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	4	2.48
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	16	2.48
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	16	2.48
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	1	2.48
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	3	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	3	2.48
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	3	2.48
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	3	2.48
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	3	2.48
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	3	2.48
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	3	2.48
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	3	2.48
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	3	2.48
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	11	2.48
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	11	2.48
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	11	2.48
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	12	2.47
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	12	2.47
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	12	2.47
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	15	2.46
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	15	2.46
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	15	2.46
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	9	2.46
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	9	2.46
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	9	2.46
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	9	2.46
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	9	2.46
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	9	2.46
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	9	2.46
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	9	2.46
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	9	2.46
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	20	2.46
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	20	2.46
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	20	2.46
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	20	2.46
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	20	2.46
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	20	2.46
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	20	2.46
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	20	2.46
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	20	2.46
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	14	2.45
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	14	2.45
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	9	2.45
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	9	2.45
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	9	2.45
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	9	2.45
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	9	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	9	2.45
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	10	2.45
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	10	2.45
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	18	2.45
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	18	2.45
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	18	2.45
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	16	2.45
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	16	2.45
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	16	2.45
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	17	2.45
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	17	2.45
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	17	2.45
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	16	2.45
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	16	2.45
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	16	2.45
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	1	2.45
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	1	2.45
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	1	2.45
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	1	2.45
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	1	2.45
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	1	2.45
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	1	2.45
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	1	2.45
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	1	2.45
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	7	2.44
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	7	2.44
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	6	2.44
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	6	2.44
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	6	2.44
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	6	2.44
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	6	2.44
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	6	2.44
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	6	2.44
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	6	2.44
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	6	2.44
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	14	2.43
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	14	2.43
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	14	2.43
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	14	2.43
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	14	2.43
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	14	2.43
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	14	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	14	2.43
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	14	2.43
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	14	2.43
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	14	2.43
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	14	2.43
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	4	2.42
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	4	2.42
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	4	2.42
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	4	2.42
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	4	2.42
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	4	2.42
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	4	2.42
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	4	2.42
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	4	2.42
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	4	2.42
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	4	2.42
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	4	2.42
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	8	2.41
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	8	2.41
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	12	2.41
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	12	2.41
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	12	2.41
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	5	2.41
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	5	2.41
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	5	2.41
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	5	2.41
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	5	2.41
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	5	2.41
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	14	2.4
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	14	2.4
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	14	2.4
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	14	2.4
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	14	2.4
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	14	2.4
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	5	2.4
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	5	2.4
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	9	2.4
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	1	2.4
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	1	2.39
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	1	2.39
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	1	2.39
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	5	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	5	2.39
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	5	2.39
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	19	2.39
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	19	2.39
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	19	2.39
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	19	2.39
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	19	2.39
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	19	2.39
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	19	2.39
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	19	2.39
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	19	2.39
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	13	2.38
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	13	2.38
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	13	2.38
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	13	2.38
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	13	2.38
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	13	2.38
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	13	2.38
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	13	2.38
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	13	2.38
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	13	2.38
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	13	2.38
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	13	2.38
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	10	2.38
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	10	2.38
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	10	2.38
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	10	2.38
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	10	2.38
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	20	2.38
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	20	2.38
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	9	2.38
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	4	2.38
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	9	2.38
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	9	2.38
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	9	2.38
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	17	2.38
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	17	2.38
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	17	2.38
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	8	2.37
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	8	2.37
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	8	2.37
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	8	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	8	2.37
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	8	2.37
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	3	2.37
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	17	2.37
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	17	2.37
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	17	2.37
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	3	2.36
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	3	2.36
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	3	2.36
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	8	2.36
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	8	2.36
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	8	2.36
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	13	2.36
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	13	2.36
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	13	2.36
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	16	2.36
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	16	2.36
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	18	2.36
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	18	2.36
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG2	6	2.36
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG3	6	2.36
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	11	2.36
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	11	2.36
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	11	2.36
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	11	2.36
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	10	2.36
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	10	2.36
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	10	2.36
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	10	2.36
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	10	2.36
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	10	2.36
(2,57)	1:B:6:ALA:HB1	1:B:49:GLN:HG2	11	2.35
(2,57)	1:B:6:ALA:HB2	1:B:49:GLN:HG2	11	2.35
(2,57)	1:B:6:ALA:HB3	1:B:49:GLN:HG2	11	2.35
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	13	2.35
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	13	2.35
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	13	2.35
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	9	2.35
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	9	2.35
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	11	2.35
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	11	2.35
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	11	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	5	2.34
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	5	2.34
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	5	2.34
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	14	2.33
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	14	2.33
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	14	2.33
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	14	2.33
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	14	2.33
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	14	2.33
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	14	2.33
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	14	2.33
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	14	2.33
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	17	2.33
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	17	2.33
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	7	2.33
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	17	2.33
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	17	2.33
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	17	2.33
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	17	2.33
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	17	2.33
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	17	2.33
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	17	2.33
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	17	2.33
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	17	2.33
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	5	2.33
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	5	2.33
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	5	2.33
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	1	2.32
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	1	2.32
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	1	2.32
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	6	2.32
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	9	2.32
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	9	2.32
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	9	2.32
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	9	2.32
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	9	2.32
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	9	2.32
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	4	2.32
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	4	2.32
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	4	2.32
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	18	2.31
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	18	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	18	2.31
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	18	2.31
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	18	2.31
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	18	2.31
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	18	2.31
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	18	2.31
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	18	2.31
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	18	2.31
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	18	2.31
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	18	2.31
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	5	2.31
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	5	2.31
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	5	2.31
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	5	2.31
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	5	2.31
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	5	2.31
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	5	2.31
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	5	2.31
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	5	2.31
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	5	2.31
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	5	2.31
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	5	2.31
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	12	2.31
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	12	2.31
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	12	2.31
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	10	2.31
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	10	2.31
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	10	2.31
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	10	2.31
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	10	2.31
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	10	2.31
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	16	2.31
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	16	2.31
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	16	2.31
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	2	2.3
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	2	2.3
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	2	2.3
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	9	2.29
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	9	2.29
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	9	2.29
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	11	2.29
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	11	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	15	2.29
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	20	2.29
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	20	2.29
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	20	2.29
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	18	2.29
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	18	2.29
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	18	2.29
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	4	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	4	2.28
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	4	2.28
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	4	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	4	2.28
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	4	2.28
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	4	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	4	2.28
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	4	2.28
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	4	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	4	2.28
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	4	2.28
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	11	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	11	2.28
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	11	2.28
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	11	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	11	2.28
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	11	2.28
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	11	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	11	2.28
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	11	2.28
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	11	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	11	2.28
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	11	2.28
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	14	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	14	2.28
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	14	2.28
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	14	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	14	2.28
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	14	2.28
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	14	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	14	2.28
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	14	2.28
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	14	2.28
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	14	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	14	2.28
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	5	2.28
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	5	2.28
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	5	2.28
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	5	2.28
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	5	2.28
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	13	2.28
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	13	2.28
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	13	2.28
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	13	2.28
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	13	2.28
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	8	2.28
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	8	2.28
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	8	2.28
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	11	2.28
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	11	2.28
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	11	2.28
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	11	2.28
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	11	2.28
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	11	2.28
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	15	2.28
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	9	2.27
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	9	2.27
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	9	2.27
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	9	2.27
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	9	2.27
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	9	2.27
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	9	2.27
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	9	2.27
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	9	2.27
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	9	2.27
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	9	2.27
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	9	2.27
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	11	2.27
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	11	2.27
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	11	2.27
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	11	2.27
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	11	2.27
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	11	2.27
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	1	2.27
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	1	2.27
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	3	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	3	2.27
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	3	2.27
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	1	2.27
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	1	2.27
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	1	2.27
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	1	2.27
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	1	2.27
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	1	2.27
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	6	2.27
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	6	2.27
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	6	2.27
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	18	2.27
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	16	2.25
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	16	2.25
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	16	2.25
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	7	2.25
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	7	2.25
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	7	2.25
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	7	2.25
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	7	2.25
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	7	2.25
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	7	2.25
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	7	2.25
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	7	2.25
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	7	2.25
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	7	2.25
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	7	2.25
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	15	2.25
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	15	2.25
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	15	2.25
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	15	2.25
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	15	2.25
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	15	2.25
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	19	2.25
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	10	2.24
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	10	2.24
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	10	2.24
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	10	2.24
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	10	2.24
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	10	2.24
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	10	2.24
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	10	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	10	2.24
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	10	2.24
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	10	2.24
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	10	2.24
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	5	2.24
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	5	2.24
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	5	2.24
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	5	2.24
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	5	2.24
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	5	2.24
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	14	2.24
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	14	2.24
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	14	2.24
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	14	2.24
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	14	2.24
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	14	2.24
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	14	2.24
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	14	2.24
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	14	2.24
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	14	2.24
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	14	2.24
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	14	2.24
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	2	2.24
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	2	2.24
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	12	2.24
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	12	2.24
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	7	2.24
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	7	2.24
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	7	2.24
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	19	2.23
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	19	2.23
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	19	2.23
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	19	2.23
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	19	2.23
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	19	2.23
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	19	2.23
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	19	2.23
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	19	2.23
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	19	2.23
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	19	2.23
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	19	2.23
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	5	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	5	2.23
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	5	2.23
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	5	2.23
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	5	2.23
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	5	2.23
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	5	2.23
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	5	2.23
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	5	2.23
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	10	2.23
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	10	2.23
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	10	2.23
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	3	2.23
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	3	2.23
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	3	2.23
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	17	2.23
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	1	2.22
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	1	2.22
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	1	2.22
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	1	2.22
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	1	2.22
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	1	2.22
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	1	2.22
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	1	2.22
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	1	2.22
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	17	2.22
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	5	2.22
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	5	2.22
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	5	2.22
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	6	2.22
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	6	2.22
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	6	2.22
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	6	2.22
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	6	2.22
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	6	2.22
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	8	2.22
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	8	2.22
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	8	2.22
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	20	2.21
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	20	2.21
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	20	2.21
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	20	2.21
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	20	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	20	2.21
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	20	2.21
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	20	2.21
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	20	2.21
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	20	2.21
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	20	2.21
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	20	2.21
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	7	2.21
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	7	2.21
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	7	2.21
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	11	2.21
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	11	2.21
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	11	2.21
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	19	2.21
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	19	2.21
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	19	2.21
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	5	2.21
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	5	2.21
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	5	2.21
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	19	2.21
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	19	2.21
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	19	2.21
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	3	2.21
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	3	2.21
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	3	2.21
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	13	2.2
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	13	2.2
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	13	2.2
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	13	2.2
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	13	2.2
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	13	2.2
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	18	2.2
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	18	2.2
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	2	2.2
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	2	2.2
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	2	2.2
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	2	2.2
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	2	2.2
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	2	2.2
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	2	2.2
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	2	2.2
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	2	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	2	2.2
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	2	2.2
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	2	2.2
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	13	2.2
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	13	2.2
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	9	2.2
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	9	2.2
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	9	2.2
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	18	2.2
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	18	2.2
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	18	2.2
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	2	2.2
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	2	2.2
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	2	2.2
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	12	2.2
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	18	2.19
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	18	2.19
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	18	2.19
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	18	2.19
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	18	2.19
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	18	2.19
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	18	2.19
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	18	2.19
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	18	2.19
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	18	2.19
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	18	2.19
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	18	2.19
(1,1789)	1:B:76:TRP:HB2	1:B:80:GLN:HB3	6	2.19
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	9	2.18
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	9	2.18
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	17	2.18
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	17	2.18
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	17	2.18
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	17	2.18
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	17	2.18
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	14	2.18
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	14	2.18
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	14	2.18
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	14	2.18
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	14	2.18
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	14	2.18
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	6	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	10	2.18
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	10	2.18
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	7	2.18
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	7	2.18
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	7	2.18
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	3	2.17
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	3	2.17
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	8	2.17
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	8	2.17
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	8	2.17
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	8	2.17
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	8	2.17
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	8	2.17
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	8	2.17
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	8	2.17
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	8	2.17
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	8	2.17
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	8	2.17
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	8	2.17
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	8	2.17
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	8	2.17
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	8	2.17
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	3	2.17
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	3	2.17
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	3	2.17
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	3	2.17
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	3	2.17
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	3	2.17
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	17	2.16
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	17	2.16
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	2	2.16
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	2	2.16
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	2	2.16
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	2	2.16
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	2	2.16
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	2	2.16
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	20	2.16
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	20	2.16
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	20	2.16
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	1	2.16
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	1	2.16
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	1	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	15	2.16
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	15	2.16
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	15	2.16
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	15	2.16
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	15	2.16
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	15	2.16
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	11	2.16
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	11	2.16
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	11	2.16
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	5	2.16
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	5	2.16
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	5	2.16
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	10	2.15
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	10	2.15
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	11	2.15
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	11	2.15
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	11	2.15
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	11	2.15
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	11	2.15
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	11	2.15
(3,1227)	1:B:71:THR:HB	1:B:121:LEU:HB3	18	2.15
(3,1227)	1:B:71:THR:HB	1:B:73:ILE:HG13	18	2.15
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	10	2.15
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	10	2.15
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	10	2.15
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	10	2.15
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	10	2.15
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	10	2.15
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	10	2.15
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	10	2.15
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	10	2.15
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	10	2.15
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	10	2.15
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	10	2.15
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	9	2.15
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	9	2.15
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	9	2.15
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	9	2.15
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	9	2.15
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	9	2.15
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	4	2.15
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	4	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	2	2.15
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	2	2.15
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	2	2.15
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	3	2.15
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	3	2.15
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	3	2.15
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	16	2.15
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	16	2.15
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	16	2.15
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	13	2.15
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	13	2.15
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	13	2.15
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	9	2.15
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	9	2.15
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	9	2.15
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	8	2.14
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	8	2.14
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	8	2.14
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	8	2.14
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	8	2.14
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	8	2.14
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	8	2.14
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	8	2.14
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	8	2.14
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	8	2.14
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	8	2.14
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	8	2.14
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	20	2.14
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	20	2.14
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	20	2.14
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	20	2.14
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	20	2.14
(2,7)	1:B:68:ARG:H	1:B:64:LYS:HB3	11	2.14
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	13	2.14
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	13	2.14
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	13	2.14
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	2	2.14
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	2	2.14
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	2	2.14
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	13	2.14
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	13	2.14
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	13	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	6	2.14
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	1	2.14
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	1	2.14
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	1	2.14
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	3	2.14
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	3	2.14
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	3	2.14
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	17	2.13
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	17	2.13
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	17	2.13
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	17	2.13
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	17	2.13
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	17	2.13
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	15	2.13
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	15	2.13
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	15	2.13
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	2	2.13
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	2	2.13
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	2	2.13
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	2	2.13
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	2	2.13
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	2	2.13
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	2	2.13
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	2	2.13
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	2	2.13
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	15	2.13
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	15	2.13
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	15	2.13
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	15	2.13
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	15	2.13
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	15	2.13
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	20	2.13
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	20	2.13
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	20	2.13
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB3	6	2.13
(1,1599)	1:B:116:ASP:HB3	1:B:127:ARG:HB2	6	2.13
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	8	2.13
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	8	2.13
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	8	2.13
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	8	2.13
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	8	2.13
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	8	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	17	2.12
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	17	2.12
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	17	2.12
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	17	2.12
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	17	2.12
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	17	2.12
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	17	2.12
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	17	2.12
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	17	2.12
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	17	2.12
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	17	2.12
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	17	2.12
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	12	2.12
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	12	2.12
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	12	2.12
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	12	2.12
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	12	2.12
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	12	2.12
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	12	2.12
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	12	2.12
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	12	2.12
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	20	2.12
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	20	2.12
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	20	2.12
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	20	2.12
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	20	2.12
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	20	2.12
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	20	2.12
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	20	2.12
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	20	2.12
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	20	2.12
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	20	2.12
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	20	2.12
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	1	2.12
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	1	2.12
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	1	2.12
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	1	2.12
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	1	2.12
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	12	2.12
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	12	2.12
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	12	2.12
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	15	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	15	2.12
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	15	2.12
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	12	2.12
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	12	2.12
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	12	2.12
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	12	2.12
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	12	2.12
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	12	2.12
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	2	2.12
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	2	2.12
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	2	2.12
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	12	2.11
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	12	2.11
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	12	2.11
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	12	2.11
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	12	2.11
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	12	2.11
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	12	2.11
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	12	2.11
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	12	2.11
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	12	2.11
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	12	2.11
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	12	2.11
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	4	2.11
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	4	2.11
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	4	2.11
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	4	2.11
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	5	2.11
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	5	2.11
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	5	2.11
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	9	2.11
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	9	2.11
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	9	2.11
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	9	2.11
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	9	2.11
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	9	2.11
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	15	2.1
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	15	2.1
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	15	2.1
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	20	2.1
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	9	2.1
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	9	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	9	2.1
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	19	2.1
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	14	2.1
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	14	2.1
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	14	2.1
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	5	2.09
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	5	2.09
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	5	2.09
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	5	2.09
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	5	2.09
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	5	2.09
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	5	2.09
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	5	2.09
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	5	2.09
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	5	2.09
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	5	2.09
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	5	2.09
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	14	2.09
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	10	2.09
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	10	2.09
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	10	2.09
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	2	2.08
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	2	2.08
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	2	2.08
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	11	2.08
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	11	2.08
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	11	2.08
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	9	2.08
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	9	2.08
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	9	2.08
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	9	2.08
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	9	2.08
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	9	2.08
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	2	2.08
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	2	2.08
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	13	2.08
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	13	2.08
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	13	2.08
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	11	2.07
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	11	2.07
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	11	2.07
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	11	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	11	2.07
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	11	2.07
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	11	2.07
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	11	2.07
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	11	2.07
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	3	2.07
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	3	2.07
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	3	2.07
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	3	2.07
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	3	2.07
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	3	2.07
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	3	2.07
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	3	2.07
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	3	2.07
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	3	2.07
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	3	2.07
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	3	2.07
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	1	2.07
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	1	2.07
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	1	2.07
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	1	2.07
(1,617)	1:B:96:ASP:H	1:B:100:HIS:HD2	4	2.07
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	7	2.07
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	7	2.07
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	7	2.07
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	9	2.06
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	9	2.06
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	9	2.06
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	9	2.06
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	9	2.06
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	9	2.06
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	9	2.06
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	9	2.06
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	9	2.06
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	7	2.06
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	7	2.06
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	7	2.06
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	12	2.06
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	12	2.06
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	12	2.06
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	20	2.06
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	20	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	20	2.06
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	15	2.06
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	15	2.06
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	15	2.06
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	14	2.06
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	14	2.06
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	14	2.06
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	4	2.06
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	4	2.06
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	4	2.06
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	15	2.05
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	15	2.05
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	15	2.05
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	14	2.05
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	14	2.05
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	2	2.05
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	2	2.05
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	2	2.05
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	2	2.05
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	2	2.05
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	2	2.05
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	19	2.05
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	19	2.05
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	19	2.05
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	9	2.05
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	9	2.05
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	13	2.05
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	13	2.05
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	13	2.05
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	13	2.05
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	11	2.04
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	11	2.04
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	11	2.04
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	11	2.04
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	11	2.04
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	11	2.04
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	11	2.04
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	11	2.04
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	11	2.04
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	16	2.04
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	16	2.04
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	16	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	10	2.04
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	10	2.04
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	10	2.04
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	10	2.04
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	10	2.04
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	10	2.04
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	15	2.03
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	15	2.03
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	15	2.03
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	15	2.03
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	15	2.03
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	15	2.03
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	15	2.03
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	15	2.03
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	15	2.03
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	15	2.03
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	15	2.03
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	15	2.03
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	3	2.03
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	3	2.03
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	3	2.03
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	3	2.03
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	3	2.03
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	3	2.03
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	3	2.03
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	3	2.03
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	3	2.03
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	18	2.03
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	18	2.03
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	18	2.03
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	11	2.03
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	11	2.03
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	11	2.03
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	11	2.03
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	11	2.03
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	11	2.03
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	9	2.03
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	9	2.03
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	9	2.03
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	17	2.02
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	17	2.02
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	17	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	17	2.02
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	17	2.02
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	17	2.02
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	17	2.02
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	17	2.02
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	17	2.02
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	17	2.02
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	17	2.02
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	17	2.02
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	18	2.02
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	18	2.02
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	18	2.02
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	17	2.02
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	11	2.02
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	11	2.02
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	11	2.02
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	7	2.02
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	7	2.02
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	7	2.02
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	7	2.02
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	7	2.02
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	7	2.02
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	7	2.02
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	7	2.02
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	7	2.02
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	15	2.01
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	15	2.01
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	10	2.01
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	10	2.01
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	10	2.01
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	10	2.01
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	10	2.01
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	10	2.01
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	10	2.01
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	10	2.01
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	10	2.01
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	16	2.01
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	16	2.01
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	16	2.01
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	19	2.01
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	19	2.01
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	19	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	11	2.01
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	11	2.01
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	11	2.01
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	14	2.01
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	14	2.01
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	14	2.01
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	20	2.0
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	20	2.0
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	13	2.0
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	13	2.0
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	13	2.0
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	15	2.0
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	15	2.0
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	15	2.0
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	15	2.0
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	4	2.0
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	4	2.0
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	4	2.0
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	6	2.0
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	6	2.0
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	6	2.0
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	8	2.0
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	8	2.0
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	8	2.0
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	18	2.0
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	18	2.0
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	18	2.0
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	20	2.0
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	20	2.0
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	20	2.0
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	20	2.0
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	20	2.0
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	20	2.0
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	19	2.0
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	19	2.0
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	19	2.0
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	6	2.0
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	6	2.0
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	6	2.0
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	16	2.0
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	16	2.0
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	16	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	18	2.0
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	18	2.0
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	18	2.0
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	10	1.99
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	10	1.99
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	10	1.99
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	10	1.99
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	10	1.99
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	10	1.99
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	10	1.99
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	10	1.99
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	10	1.99
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	10	1.99
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	10	1.99
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	10	1.99
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	10	1.99
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	10	1.99
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	10	1.99
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	10	1.99
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	10	1.99
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	10	1.99
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	10	1.99
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	10	1.99
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	10	1.99
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	10	1.99
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	10	1.99
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	10	1.99
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	7	1.99
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	7	1.99
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	7	1.99
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	7	1.99
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	7	1.99
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	7	1.99
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	11	1.99
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	11	1.99
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	20	1.99
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	20	1.99
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	20	1.99
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	20	1.99
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	20	1.99
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	20	1.99
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	17	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	17	1.99
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	17	1.99
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	6	1.98
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	6	1.98
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	6	1.98
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	8	1.98
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	8	1.98
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	8	1.98
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	8	1.98
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	8	1.98
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	8	1.98
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	8	1.98
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	8	1.98
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	8	1.98
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	9	1.98
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	9	1.98
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	9	1.98
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	9	1.98
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	9	1.98
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	9	1.98
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	13	1.98
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	13	1.98
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	13	1.98
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	13	1.98
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	13	1.98
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	13	1.98
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	13	1.98
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	13	1.98
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	13	1.98
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	13	1.98
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	13	1.98
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	13	1.98
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	10	1.98
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	10	1.98
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	10	1.98
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	14	1.98
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	14	1.98
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	14	1.98
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	3	1.98
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	3	1.98
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	3	1.98
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	3	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	3	1.98
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	3	1.98
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	5	1.98
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	5	1.98
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	5	1.98
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	18	1.97
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	18	1.97
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	18	1.97
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	4	1.97
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	4	1.97
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	4	1.97
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	4	1.97
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	4	1.97
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	4	1.97
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	1	1.97
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	1	1.97
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	1	1.97
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	16	1.96
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	16	1.96
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	16	1.96
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	16	1.96
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	16	1.96
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	16	1.96
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	16	1.96
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	16	1.96
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	16	1.96
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	16	1.96
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	16	1.96
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	16	1.96
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	14	1.96
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	14	1.96
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	14	1.96
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	14	1.96
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	14	1.96
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	14	1.96
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	14	1.96
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	14	1.96
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	14	1.96
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	7	1.96
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	7	1.96
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	7	1.96
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	7	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	7	1.96
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	7	1.96
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	7	1.96
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	7	1.96
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	7	1.96
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	11	1.96
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	11	1.96
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	11	1.96
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	20	1.96
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	20	1.96
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	20	1.96
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	8	1.96
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	8	1.96
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	8	1.96
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	15	1.95
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	15	1.95
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	15	1.95
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	15	1.95
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	15	1.95
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	15	1.95
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	15	1.95
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	15	1.95
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	15	1.95
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	15	1.95
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	15	1.95
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	15	1.95
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	10	1.95
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	10	1.95
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	10	1.95
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	10	1.95
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	10	1.95
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	10	1.95
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	2	1.95
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	2	1.95
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	2	1.95
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	2	1.95
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	13	1.95
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	13	1.95
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	13	1.95
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	3	1.95
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	3	1.95
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	3	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	12	1.95
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	12	1.95
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	12	1.95
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	12	1.95
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	12	1.95
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	12	1.95
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	15	1.95
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	15	1.95
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	15	1.95
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	7	1.95
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	7	1.95
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	7	1.95
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	8	1.95
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	8	1.95
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	8	1.95
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	17	1.95
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	17	1.95
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	17	1.95
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	17	1.95
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	17	1.95
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	17	1.95
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	19	1.95
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	19	1.95
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	19	1.95
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	19	1.95
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	19	1.95
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	19	1.95
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	11	1.94
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	11	1.94
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	11	1.94
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	3	1.94
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	3	1.94
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	3	1.94
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	3	1.94
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	3	1.94
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	3	1.94
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	12	1.94
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	12	1.94
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	12	1.94
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	12	1.94
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	12	1.94
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	12	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	12	1.94
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	12	1.94
(1,2552)	1:B:17:LEU:HD11	1:B:40:LEU:HB2	11	1.94
(1,2552)	1:B:17:LEU:HD12	1:B:40:LEU:HB2	11	1.94
(1,2552)	1:B:17:LEU:HD13	1:B:40:LEU:HB2	11	1.94
(1,2552)	1:B:17:LEU:HD11	1:B:40:LEU:HG	11	1.94
(1,2552)	1:B:17:LEU:HD12	1:B:40:LEU:HG	11	1.94
(1,2552)	1:B:17:LEU:HD13	1:B:40:LEU:HG	11	1.94
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	14	1.94
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	14	1.94
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	14	1.94
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	20	1.94
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	20	1.94
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	20	1.94
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	20	1.94
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	20	1.94
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	20	1.94
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	20	1.94
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	20	1.94
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	20	1.94
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	5	1.93
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	5	1.93
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	5	1.93
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	5	1.93
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	5	1.93
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	5	1.93
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	5	1.93
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	5	1.93
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	5	1.93
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	5	1.93
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	5	1.93
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	5	1.93
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	5	1.93
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	5	1.93
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	5	1.93
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	5	1.93
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	5	1.93
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	5	1.93
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	5	1.93
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	5	1.93
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	5	1.93
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	3	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	3	1.93
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	3	1.93
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	13	1.93
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	15	1.93
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	15	1.93
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	15	1.93
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	18	1.92
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	18	1.92
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	18	1.92
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	18	1.92
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	11	1.92
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG21	10	1.92
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG22	10	1.92
(1,2003)	1:B:29:GLY:HA2	1:B:27:VAL:HG23	10	1.92
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	7	1.92
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	7	1.92
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	7	1.92
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	6	1.91
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	6	1.91
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	6	1.91
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	6	1.91
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	6	1.91
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	6	1.91
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	6	1.91
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	6	1.91
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	6	1.91
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	6	1.91
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	6	1.91
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	6	1.91
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	19	1.91
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	19	1.91
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	19	1.91
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	19	1.91
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	19	1.91
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	19	1.91
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	19	1.91
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	19	1.91
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	19	1.91
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	19	1.91
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	19	1.91
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	19	1.91
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	19	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	19	1.91
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	19	1.91
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	19	1.91
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	19	1.91
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	19	1.91
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	5	1.91
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	5	1.91
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	5	1.91
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	5	1.91
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	5	1.91
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	5	1.91
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	11	1.91
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	11	1.91
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	11	1.91
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	11	1.91
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	11	1.91
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	11	1.91
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	11	1.91
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	11	1.91
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	11	1.91
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD2	15	1.91
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD3	15	1.91
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	3	1.91
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	3	1.91
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	3	1.91
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	4	1.91
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	4	1.91
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	4	1.91
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	4	1.91
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	4	1.91
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	4	1.91
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	6	1.91
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	6	1.91
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	6	1.91
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	6	1.91
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	6	1.91
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	6	1.91
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	9	1.9
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	9	1.9
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	9	1.9
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	9	1.9
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	9	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	9	1.9
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	9	1.9
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	9	1.9
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	9	1.9
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	9	1.9
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	9	1.9
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	9	1.9
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	17	1.9
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	17	1.9
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	17	1.9
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	17	1.9
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	17	1.9
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	17	1.9
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	20	1.9
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	18	1.9
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	18	1.9
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	18	1.9
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	17	1.9
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	17	1.9
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	17	1.9
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	17	1.9
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	17	1.9
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	17	1.9
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	17	1.9
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	17	1.9
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	17	1.9
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	2	1.9
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	7	1.9
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	7	1.9
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	7	1.9
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	12	1.9
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	12	1.9
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	12	1.9
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	4	1.9
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	4	1.9
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	4	1.9
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	19	1.9
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	19	1.9
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	19	1.9
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	15	1.9
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	15	1.9
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	15	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	15	1.9
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	15	1.9
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	15	1.9
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	19	1.89
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	19	1.89
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	5	1.89
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	5	1.89
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	5	1.89
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	5	1.89
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	5	1.89
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	5	1.89
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	13	1.89
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	13	1.89
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	13	1.89
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	13	1.89
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	13	1.89
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	13	1.89
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	10	1.89
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	10	1.89
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	10	1.89
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	10	1.89
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	10	1.89
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	10	1.89
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	4	1.89
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	4	1.89
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	4	1.89
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	3	1.89
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	3	1.89
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	3	1.89
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	3	1.89
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	3	1.89
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	3	1.89
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	3	1.89
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	3	1.89
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	3	1.89
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	3	1.89
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	3	1.89
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	3	1.89
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	3	1.89
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	3	1.89
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	3	1.89
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	13	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	13	1.89
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	13	1.89
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	13	1.89
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	13	1.89
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	13	1.89
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	13	1.89
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	13	1.89
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	13	1.89
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	11	1.89
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	5	1.89
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	5	1.89
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	5	1.89
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	1	1.89
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	11	1.89
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	11	1.89
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	11	1.89
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	11	1.89
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	11	1.89
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	11	1.89
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	5	1.89
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	5	1.89
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	5	1.89
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	14	1.89
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	14	1.89
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	14	1.89
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	17	1.89
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	17	1.89
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	17	1.89
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	1	1.89
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	1	1.89
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	1	1.89
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	2	1.89
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	2	1.89
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	2	1.89
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	14	1.89
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	14	1.89
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	14	1.89
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	1	1.88
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	1	1.88
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	1	1.88
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	1	1.88
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	1	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	1	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	1	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	1	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	1	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	1	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	1	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	1	1.88
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	4	1.88
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	4	1.88
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	4	1.88
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	4	1.88
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	4	1.88
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	4	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	4	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	4	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	4	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	4	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	4	1.88
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	4	1.88
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	18	1.88
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	18	1.88
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	18	1.88
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	18	1.88
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	18	1.88
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	18	1.88
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	18	1.88
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	18	1.88
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	18	1.88
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	16	1.88
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	16	1.88
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	16	1.88
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	16	1.88
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	16	1.88
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	7	1.88
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	7	1.88
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	12	1.88
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	4	1.88
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	4	1.88
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	4	1.88
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	4	1.88
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	4	1.88
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	4	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	4	1.88
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	4	1.88
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	4	1.88
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	10	1.88
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	10	1.88
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	10	1.88
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	6	1.88
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD2	20	1.88
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD3	20	1.88
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	12	1.88
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	12	1.88
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	12	1.88
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	2	1.88
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	2	1.88
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	2	1.88
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	20	1.87
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	20	1.87
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	20	1.87
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	20	1.87
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	20	1.87
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	20	1.87
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	20	1.87
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	20	1.87
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	20	1.87
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	2	1.87
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	2	1.87
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	2	1.87
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	2	1.87
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	2	1.87
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	10	1.87
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	10	1.87
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	10	1.87
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	18	1.87
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	18	1.87
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	18	1.87
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	18	1.87
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	18	1.87
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	18	1.87
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	18	1.87
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	18	1.87
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	18	1.87
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	10	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	10	1.87
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	10	1.87
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	17	1.87
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	17	1.87
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	17	1.87
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	18	1.87
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	18	1.87
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	18	1.87
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	16	1.87
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	16	1.87
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	16	1.87
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	8	1.87
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	8	1.87
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	8	1.87
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	8	1.87
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	8	1.87
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	8	1.87
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	16	1.87
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	16	1.87
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	16	1.87
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	16	1.87
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	16	1.87
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	16	1.87
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	8	1.86
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	8	1.86
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	8	1.86
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	8	1.86
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	8	1.86
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	8	1.86
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	13	1.86
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	13	1.86
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	13	1.86
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	13	1.86
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	13	1.86
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	13	1.86
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	13	1.86
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	13	1.86
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	13	1.86
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	16	1.86
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	16	1.86
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	16	1.86
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	16	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	16	1.86
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	16	1.86
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	16	1.86
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	16	1.86
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	16	1.86
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD3	6	1.86
(1,2707)	1:B:113:ARG:HG3	1:B:127:ARG:HD2	6	1.86
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD3	6	1.86
(1,2707)	1:B:113:ARG:HG2	1:B:127:ARG:HD2	6	1.86
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	7	1.86
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	7	1.86
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	7	1.86
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	7	1.86
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	7	1.86
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	7	1.86
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	7	1.86
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	7	1.86
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	7	1.86
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG21	3	1.86
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG22	3	1.86
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG23	3	1.86
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	4	1.86
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	4	1.86
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	4	1.86
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	15	1.86
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	15	1.86
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	13	1.86
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	13	1.86
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	13	1.86
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	20	1.86
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	20	1.86
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	20	1.86
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	12	1.85
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	12	1.85
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	12	1.85
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	12	1.85
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	12	1.85
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	12	1.85
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	12	1.85
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	12	1.85
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	12	1.85
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	12	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	12	1.85
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	12	1.85
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	12	1.85
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	12	1.85
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	12	1.85
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	12	1.85
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	12	1.85
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	12	1.85
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	9	1.85
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	9	1.85
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	9	1.85
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	10	1.85
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	10	1.85
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	10	1.85
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	13	1.85
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	13	1.85
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	13	1.85
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	13	1.85
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	13	1.85
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	13	1.85
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	13	1.85
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	13	1.85
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	13	1.85
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	11	1.85
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	8	1.85
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	8	1.85
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	8	1.85
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	20	1.85
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	20	1.85
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	20	1.85
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	6	1.85
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	6	1.85
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	6	1.85
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	20	1.85
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	20	1.85
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	20	1.85
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	6	1.84
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	6	1.84
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	6	1.84
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	6	1.84
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	6	1.84
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	6	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	6	1.84
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	6	1.84
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	6	1.84
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	6	1.84
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	6	1.84
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	6	1.84
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	6	1.84
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	6	1.84
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	6	1.84
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	6	1.84
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	12	1.84
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	12	1.84
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	2	1.84
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	2	1.84
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	2	1.84
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	9	1.84
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	9	1.84
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	9	1.84
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	15	1.84
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	15	1.84
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	15	1.84
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	15	1.84
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	15	1.84
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	15	1.84
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	15	1.84
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	15	1.84
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	15	1.84
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	19	1.84
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	19	1.84
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	19	1.84
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	12	1.84
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	12	1.84
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	12	1.84
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	20	1.84
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	20	1.84
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	20	1.84
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	20	1.84
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	20	1.84
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	20	1.84
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	7	1.83
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	7	1.83
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	7	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	7	1.83
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	7	1.83
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	7	1.83
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	7	1.83
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	7	1.83
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	7	1.83
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	18	1.83
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	18	1.83
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	18	1.83
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	18	1.83
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	18	1.83
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	18	1.83
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	18	1.83
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	18	1.83
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	18	1.83
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	18	1.83
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	18	1.83
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	18	1.83
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	18	1.83
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	18	1.83
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	18	1.83
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	1	1.83
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	1	1.83
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	1	1.83
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	1	1.83
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	1	1.83
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	1	1.83
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	12	1.83
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	12	1.83
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	20	1.83
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	20	1.83
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	11	1.83
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	11	1.83
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	14	1.83
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	9	1.83
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	9	1.83
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	9	1.83
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	9	1.83
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	9	1.83
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	9	1.83
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	9	1.83
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	9	1.83
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	10	1.83
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	10	1.83
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	10	1.83
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	10	1.83
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	10	1.83
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	10	1.83
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	10	1.83
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	10	1.83
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	10	1.83
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	13	1.83
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	13	1.83
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	13	1.83
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	11	1.83
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD2	17	1.83
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD3	17	1.83
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	19	1.83
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	19	1.83
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	19	1.83
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	2	1.83
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	2	1.83
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	2	1.83
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	15	1.83
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	15	1.83
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	15	1.83
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	15	1.82
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	15	1.82
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	3	1.82
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	3	1.82
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	3	1.82
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	3	1.82
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	3	1.82
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	3	1.82
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	17	1.82
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	17	1.82
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	17	1.82
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	17	1.82
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	17	1.82
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	17	1.82
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	17	1.82
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	17	1.82
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	17	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	1	1.82
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	1	1.82
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	1	1.82
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	1	1.82
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	1	1.82
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	1	1.82
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	17	1.82
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	7	1.82
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	7	1.82
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	7	1.82
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	1	1.82
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	1	1.82
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	1	1.82
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	14	1.82
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	14	1.82
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	14	1.82
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	13	1.82
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	13	1.82
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	13	1.82
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	13	1.82
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	13	1.82
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	13	1.82
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	11	1.82
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	11	1.82
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	11	1.82
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	15	1.82
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	11	1.82
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	11	1.82
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	11	1.82
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	6	1.81
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	6	1.81
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	6	1.81
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	6	1.81
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	6	1.81
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	6	1.81
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	6	1.81
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	6	1.81
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	6	1.81
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	6	1.81
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	6	1.81
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	6	1.81
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	2	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	2	1.81
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	2	1.81
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	2	1.81
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	2	1.81
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	2	1.81
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	2	1.81
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	2	1.81
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	6	1.81
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	6	1.81
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	6	1.81
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	6	1.81
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	6	1.81
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	6	1.81
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	10	1.81
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	10	1.81
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	10	1.81
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	10	1.81
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	10	1.81
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	10	1.81
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	2	1.81
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	2	1.81
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	2	1.81
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	2	1.81
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	2	1.81
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	2	1.81
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	18	1.81
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	18	1.81
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	18	1.81
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	18	1.81
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	18	1.81
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	18	1.81
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	7	1.81
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	7	1.81
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	7	1.81
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	7	1.81
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	7	1.81
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	7	1.81
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	4	1.81
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	4	1.81
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	4	1.81
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	4	1.81
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	4	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	4	1.81
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	1	1.81
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	1	1.81
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	1	1.81
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	1	1.81
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	1	1.81
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	1	1.81
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	12	1.8
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	12	1.8
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	12	1.8
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	12	1.8
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	12	1.8
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	12	1.8
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	12	1.8
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	12	1.8
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	12	1.8
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	7	1.8
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	7	1.8
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	7	1.8
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	6	1.8
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	6	1.8
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	6	1.8
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	6	1.8
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	6	1.8
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	6	1.8
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	6	1.8
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	6	1.8
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	6	1.8
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	2	1.8
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	2	1.8
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	2	1.8
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	2	1.8
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	2	1.8
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	2	1.8
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	9	1.8
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	9	1.8
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	9	1.8
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	19	1.8
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	18	1.8
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	18	1.8
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	18	1.8
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	18	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	18	1.8
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	18	1.8
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	18	1.8
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	18	1.8
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	18	1.8
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	9	1.8
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	8	1.8
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	8	1.8
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	8	1.8
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	17	1.8
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	17	1.8
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	17	1.8
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	7	1.79
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	7	1.79
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	7	1.79
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	7	1.79
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	7	1.79
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	7	1.79
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	7	1.79
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	7	1.79
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	7	1.79
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	7	1.79
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	7	1.79
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	7	1.79
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	10	1.79
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	10	1.79
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	10	1.79
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	18	1.79
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	18	1.79
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	18	1.79
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	18	1.79
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	18	1.79
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	18	1.79
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	17	1.79
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	17	1.79
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	14	1.79
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	14	1.79
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	14	1.79
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	14	1.79
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	14	1.79
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	14	1.79
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	14	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	14	1.79
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	14	1.79
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	15	1.79
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	15	1.79
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	15	1.79
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	7	1.79
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	7	1.79
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	7	1.79
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	7	1.79
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	7	1.79
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	7	1.79
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	7	1.79
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	7	1.79
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	7	1.79
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	9	1.79
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	9	1.79
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	9	1.79
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	13	1.79
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	13	1.79
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	13	1.79
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	5	1.79
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	5	1.79
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	5	1.79
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	15	1.79
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	15	1.79
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	15	1.79
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	17	1.79
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	17	1.79
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	17	1.79
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	19	1.78
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	19	1.78
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	19	1.78
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	19	1.78
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	19	1.78
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	19	1.78
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	19	1.78
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	19	1.78
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	19	1.78
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	19	1.78
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	19	1.78
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	19	1.78
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	7	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	7	1.78
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	7	1.78
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	7	1.78
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	7	1.78
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	7	1.78
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	7	1.78
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	7	1.78
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	7	1.78
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	7	1.78
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	7	1.78
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	7	1.78
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	7	1.78
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	7	1.78
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	7	1.78
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	4	1.78
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	4	1.78
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	4	1.78
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	4	1.78
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	4	1.78
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	4	1.78
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	7	1.78
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	7	1.78
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	7	1.78
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	7	1.78
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	7	1.78
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	7	1.78
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	5	1.78
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	5	1.78
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	5	1.78
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	5	1.78
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	5	1.78
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	5	1.78
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	5	1.78
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	5	1.78
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	5	1.78
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	16	1.78
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	16	1.78
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	16	1.78
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	3	1.78
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	3	1.78
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	3	1.78
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	20	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	20	1.78
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	20	1.78
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	17	1.77
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	17	1.77
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	17	1.77
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	6	1.77
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	6	1.77
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	6	1.77
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	12	1.77
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	12	1.77
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	12	1.77
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	12	1.77
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	5	1.77
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	5	1.77
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	5	1.77
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	5	1.77
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	5	1.77
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	5	1.77
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	11	1.77
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	11	1.77
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	11	1.77
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	6	1.77
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	6	1.77
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	14	1.77
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	14	1.77
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	16	1.77
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	16	1.77
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	16	1.77
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	16	1.77
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	16	1.77
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	16	1.77
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	18	1.77
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	18	1.77
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	18	1.77
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	13	1.77
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	13	1.77
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	13	1.77
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	13	1.77
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	13	1.77
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	13	1.77
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	12	1.77
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	12	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	12	1.77
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	12	1.77
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	12	1.77
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	12	1.77
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	12	1.77
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	12	1.77
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	12	1.77
(1,2552)	1:B:17:LEU:HD11	1:B:40:LEU:HB2	10	1.77
(1,2552)	1:B:17:LEU:HD12	1:B:40:LEU:HB2	10	1.77
(1,2552)	1:B:17:LEU:HD13	1:B:40:LEU:HB2	10	1.77
(1,2552)	1:B:17:LEU:HD11	1:B:40:LEU:HG	10	1.77
(1,2552)	1:B:17:LEU:HD12	1:B:40:LEU:HG	10	1.77
(1,2552)	1:B:17:LEU:HD13	1:B:40:LEU:HG	10	1.77
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	12	1.77
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	12	1.77
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	12	1.77
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	7	1.77
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	7	1.77
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	7	1.77
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	7	1.77
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	7	1.77
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	7	1.77
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	8	1.77
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	8	1.77
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	12	1.77
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	12	1.77
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	12	1.77
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	12	1.77
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	12	1.77
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	12	1.77
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG11	13	1.76
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG12	13	1.76
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG13	13	1.76
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG11	13	1.76
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG12	13	1.76
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG13	13	1.76
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG11	13	1.76
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG12	13	1.76
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG13	13	1.76
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD11	13	1.76
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD12	13	1.76
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD13	13	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD11	13	1.76
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD12	13	1.76
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD13	13	1.76
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD11	13	1.76
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD12	13	1.76
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD13	13	1.76
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	6	1.76
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	6	1.76
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	6	1.76
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	6	1.76
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	6	1.76
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	6	1.76
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	1	1.76
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	1	1.76
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	1	1.76
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	1	1.76
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	1	1.76
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	1	1.76
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	5	1.76
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	5	1.76
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	18	1.76
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	18	1.76
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	1	1.76
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	1	1.76
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	1	1.76
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	1	1.76
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	1	1.76
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	1	1.76
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	15	1.76
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	15	1.76
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	15	1.76
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	15	1.76
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	15	1.76
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	15	1.76
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	19	1.76
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	19	1.76
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	19	1.76
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	19	1.76
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	19	1.76
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	19	1.76
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	17	1.76
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	17	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	17	1.76
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	17	1.76
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	17	1.76
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	17	1.76
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	7	1.76
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	7	1.76
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	7	1.76
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	20	1.76
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	1	1.76
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	3	1.76
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	3	1.76
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	3	1.76
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	3	1.76
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	3	1.76
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	3	1.76
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	3	1.76
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	3	1.76
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	3	1.76
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	3	1.76
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	3	1.76
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	3	1.76
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	4	1.76
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	4	1.76
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	4	1.76
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	4	1.76
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	4	1.76
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	4	1.76
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	4	1.76
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	4	1.76
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	4	1.76
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	14	1.76
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	14	1.76
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	14	1.76
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	14	1.76
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	14	1.76
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	14	1.76
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	14	1.76
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	14	1.76
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	14	1.76
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	9	1.76
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	9	1.76
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	9	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	4	1.76
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	4	1.76
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	4	1.76
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	10	1.76
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	14	1.76
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	14	1.76
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	14	1.76
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	9	1.76
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	9	1.76
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	9	1.76
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	9	1.76
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	9	1.76
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	9	1.76
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	18	1.76
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	18	1.76
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	18	1.76
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	17	1.75
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	17	1.75
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	17	1.75
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	17	1.75
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	12	1.75
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	12	1.75
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	12	1.75
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	11	1.75
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	11	1.75
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	5	1.75
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	5	1.75
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	5	1.75
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	5	1.75
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	5	1.75
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	5	1.75
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	15	1.75
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	15	1.75
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	15	1.75
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	15	1.75
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	15	1.75
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	15	1.75
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	15	1.75
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	15	1.75
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	15	1.75
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	18	1.75
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	18	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	18	1.75
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	18	1.75
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	18	1.75
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	18	1.75
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	18	1.75
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	18	1.75
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	18	1.75
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	19	1.75
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	19	1.75
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	19	1.75
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	3	1.75
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	3	1.75
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	3	1.75
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	1	1.75
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	18	1.75
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	18	1.75
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	18	1.75
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	11	1.75
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	11	1.75
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	11	1.75
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	17	1.75
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	17	1.75
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	17	1.75
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	14	1.74
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	14	1.74
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	14	1.74
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	1	1.74
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	1	1.74
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	1	1.74
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	18	1.74
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	18	1.74
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	18	1.74
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	18	1.74
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	18	1.74
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	18	1.74
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	9	1.74
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	9	1.74
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	9	1.74
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	9	1.74
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	9	1.74
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	9	1.74
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	9	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	9	1.74
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	9	1.74
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	12	1.74
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	12	1.74
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	12	1.74
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	12	1.74
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	12	1.74
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	12	1.74
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	12	1.74
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	12	1.74
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	12	1.74
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	19	1.74
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	19	1.74
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	19	1.74
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	19	1.74
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	19	1.74
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	19	1.74
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	19	1.74
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	19	1.74
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	19	1.74
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	13	1.74
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	13	1.74
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	13	1.74
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	13	1.74
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	13	1.74
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	13	1.74
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	16	1.74
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	16	1.74
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	16	1.74
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	3	1.74
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	3	1.74
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	9	1.74
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	9	1.74
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	9	1.74
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	10	1.74
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	10	1.74
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	10	1.74
(1,1073)	1:B:124:VAL:HG11	1:B:119:LEU:HA	10	1.74
(1,1073)	1:B:124:VAL:HG12	1:B:119:LEU:HA	10	1.74
(1,1073)	1:B:124:VAL:HG13	1:B:119:LEU:HA	10	1.74
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	8	1.73
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	8	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	18	1.73
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	18	1.73
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	18	1.73
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	5	1.73
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	5	1.73
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	5	1.73
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	19	1.73
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	19	1.73
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	19	1.73
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	19	1.73
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	19	1.73
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	19	1.73
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	3	1.73
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	3	1.73
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	3	1.73
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	3	1.73
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	3	1.73
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	3	1.73
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	3	1.73
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	3	1.73
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	3	1.73
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	3	1.73
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	3	1.73
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	3	1.73
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	9	1.73
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	9	1.73
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	9	1.73
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	9	1.73
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	9	1.73
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	9	1.73
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	9	1.73
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	9	1.73
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	9	1.73
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	8	1.73
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	8	1.73
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	12	1.73
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	12	1.73
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	12	1.73
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	12	1.73
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	12	1.73
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	12	1.73
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	14	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	14	1.73
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	14	1.73
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	14	1.73
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	14	1.73
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	14	1.73
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	19	1.73
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	19	1.73
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	19	1.73
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	19	1.73
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	19	1.73
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	19	1.73
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	19	1.73
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	19	1.73
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	19	1.73
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	4	1.73
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	4	1.73
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	4	1.73
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	9	1.73
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	9	1.73
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	9	1.73
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	10	1.73
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	10	1.73
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	10	1.73
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	13	1.73
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	13	1.73
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	13	1.73
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	13	1.73
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	13	1.73
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	13	1.73
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	13	1.73
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	13	1.73
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	13	1.73
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	4	1.73
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	4	1.73
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	4	1.73
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	11	1.73
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	11	1.73
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	11	1.73
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	4	1.73
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	4	1.73
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	4	1.73
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	4	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	4	1.73
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	4	1.73
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	4	1.73
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	4	1.73
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	4	1.73
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	12	1.73
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	12	1.73
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	12	1.73
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	1	1.73
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	1	1.73
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	1	1.73
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	2	1.73
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	2	1.73
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	2	1.73
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	20	1.73
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	20	1.73
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	20	1.73
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	10	1.72
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	10	1.72
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	10	1.72
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	10	1.72
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	10	1.72
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	10	1.72
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	10	1.72
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	10	1.72
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	10	1.72
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	10	1.72
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	10	1.72
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	10	1.72
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	10	1.72
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	10	1.72
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	10	1.72
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	10	1.72
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	10	1.72
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	10	1.72
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	15	1.72
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	15	1.72
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	15	1.72
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	15	1.72
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	11	1.72
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	11	1.72
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	11	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	11	1.72
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	11	1.72
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	11	1.72
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	11	1.72
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	11	1.72
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	11	1.72
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	11	1.72
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	11	1.72
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	11	1.72
(3,1171)	1:B:74:VAL:HG11	1:B:76:TRP:HE1	19	1.72
(3,1171)	1:B:74:VAL:HG12	1:B:76:TRP:HE1	19	1.72
(3,1171)	1:B:74:VAL:HG13	1:B:76:TRP:HE1	19	1.72
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD11	19	1.72
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD12	19	1.72
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD13	19	1.72
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD11	19	1.72
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD12	19	1.72
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD13	19	1.72
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD11	19	1.72
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD12	19	1.72
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD13	19	1.72
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	3	1.72
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	3	1.72
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	10	1.72
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	10	1.72
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	17	1.72
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	17	1.72
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	17	1.72
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	17	1.72
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	17	1.72
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	17	1.72
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	7	1.72
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	7	1.72
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	7	1.72
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	7	1.72
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	10	1.72
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	10	1.72
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	10	1.72
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	10	1.72
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	10	1.72
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	10	1.72
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	10	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	10	1.72
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	10	1.72
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	11	1.72
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	11	1.72
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	11	1.72
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	11	1.72
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	11	1.72
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	11	1.72
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	11	1.72
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	11	1.72
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	11	1.72
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	15	1.72
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	15	1.72
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	15	1.72
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	8	1.72
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	8	1.72
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	8	1.72
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	15	1.72
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	15	1.72
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	15	1.72
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	14	1.72
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	14	1.72
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	14	1.72
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	11	1.72
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	11	1.72
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	11	1.72
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	11	1.72
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	11	1.72
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	11	1.72
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	17	1.72
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	17	1.72
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	17	1.72
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	4	1.72
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	4	1.72
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	18	1.72
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	18	1.72
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	18	1.72
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	18	1.72
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	18	1.72
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	18	1.72
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	1	1.71
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	1	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	1	1.71
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	12	1.71
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	12	1.71
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	12	1.71
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	12	1.71
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	12	1.71
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	12	1.71
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	5	1.71
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	5	1.71
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	5	1.71
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	6	1.71
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	6	1.71
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	6	1.71
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	5	1.71
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	11	1.71
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	11	1.71
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	11	1.71
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	16	1.71
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	16	1.71
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	16	1.71
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	10	1.71
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	10	1.71
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	10	1.71
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	10	1.71
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	10	1.71
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	10	1.71
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	7	1.7
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	7	1.7
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	7	1.7
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	2	1.7
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	2	1.7
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	2	1.7
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	4	1.7
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	4	1.7
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	4	1.7
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	4	1.7
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	4	1.7
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	4	1.7
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	4	1.7
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	4	1.7
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	4	1.7
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	4	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	4	1.7
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	4	1.7
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	20	1.7
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	20	1.7
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	20	1.7
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	20	1.7
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	20	1.7
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	20	1.7
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	20	1.7
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	20	1.7
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	20	1.7
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	20	1.7
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	20	1.7
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	20	1.7
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	19	1.7
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	19	1.7
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	9	1.7
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	9	1.7
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	9	1.7
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	9	1.7
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	9	1.7
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	9	1.7
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	20	1.7
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	20	1.7
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	20	1.7
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	20	1.7
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	20	1.7
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	20	1.7
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	5	1.7
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	5	1.7
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	5	1.7
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	19	1.7
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	19	1.7
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	19	1.7
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	3	1.7
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	3	1.7
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	3	1.7
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	17	1.7
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	17	1.7
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	17	1.7
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	2	1.7
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	2	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	5	1.7
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	12	1.7
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	12	1.7
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	12	1.7
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	9	1.7
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	9	1.7
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	9	1.7
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	15	1.7
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	15	1.7
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	15	1.7
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	13	1.69
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	13	1.69
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	13	1.69
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	10	1.69
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	10	1.69
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	10	1.69
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	10	1.69
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	10	1.69
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	10	1.69
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	10	1.69
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	10	1.69
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	10	1.69
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	10	1.69
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	10	1.69
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	10	1.69
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	10	1.69
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	10	1.69
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	10	1.69
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	4	1.69
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	4	1.69
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	4	1.69
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	4	1.69
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	4	1.69
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	4	1.69
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	4	1.69
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	4	1.69
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	4	1.69
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	5	1.69
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	5	1.69
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	5	1.69
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	5	1.69
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	5	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	5	1.69
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	5	1.69
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	5	1.69
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	5	1.69
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG3	11	1.69
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG3	11	1.69
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG3	11	1.69
(1,987)	1:B:130:LEU:HD11	1:B:129:GLU:HG2	11	1.69
(1,987)	1:B:130:LEU:HD12	1:B:129:GLU:HG2	11	1.69
(1,987)	1:B:130:LEU:HD13	1:B:129:GLU:HG2	11	1.69
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	13	1.69
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	13	1.69
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	13	1.69
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	13	1.69
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	10	1.69
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	10	1.69
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	4	1.69
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	4	1.69
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	4	1.69
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	14	1.69
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	14	1.69
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	14	1.69
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	10	1.69
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	12	1.69
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	1	1.69
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	1	1.69
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	1	1.69
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	1	1.69
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	1	1.69
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	1	1.69
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	2	1.69
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	2	1.69
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	2	1.69
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	1	1.69
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	1	1.69
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	1	1.69
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	20	1.69
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	20	1.69
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	20	1.69
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	5	1.69
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	5	1.69
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	5	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	5	1.69
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	5	1.69
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	5	1.69
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	5	1.69
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	5	1.69
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	5	1.69
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	3	1.69
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	3	1.69
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	3	1.69
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	19	1.68
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	19	1.68
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	19	1.68
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	2	1.68
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	2	1.68
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	2	1.68
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	1	1.68
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	1	1.68
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	20	1.68
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	20	1.68
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	8	1.68
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	8	1.68
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	8	1.68
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	8	1.68
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	3	1.68
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	3	1.68
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	3	1.68
(1,617)	1:B:96:ASP:H	1:B:100:HIS:HD2	14	1.68
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	6	1.68
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	6	1.68
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	6	1.68
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	7	1.68
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	2	1.68
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	2	1.68
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	2	1.68
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	15	1.68
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	15	1.68
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	15	1.68
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	4	1.68
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	4	1.68
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	4	1.68
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	10	1.67
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	10	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	10	1.67
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	10	1.67
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	10	1.67
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	10	1.67
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	9	1.67
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	9	1.67
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	9	1.67
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG21	14	1.67
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG22	14	1.67
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG23	14	1.67
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG11	14	1.67
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG12	14	1.67
(3,1295)	1:B:60:ALA:HA	1:B:33:VAL:HG13	14	1.67
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG11	14	1.67
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG12	14	1.67
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG13	14	1.67
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG21	14	1.67
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG22	14	1.67
(3,1295)	1:B:60:ALA:HA	1:B:63:VAL:HG23	14	1.67
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	16	1.67
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	16	1.67
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	16	1.67
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	16	1.67
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	16	1.67
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	16	1.67
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	16	1.67
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	16	1.67
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	16	1.67
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	16	1.67
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	16	1.67
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	16	1.67
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	10	1.67
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	4	1.67
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	4	1.67
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	4	1.67
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	4	1.67
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	4	1.67
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	16	1.67
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	16	1.67
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	8	1.67
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	8	1.67
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	8	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	8	1.67
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	8	1.67
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	8	1.67
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	8	1.67
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	8	1.67
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	8	1.67
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	19	1.67
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	19	1.67
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	19	1.67
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	19	1.67
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	13	1.67
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	13	1.67
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	2	1.67
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	2	1.67
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	2	1.67
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	9	1.67
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	9	1.67
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	9	1.67
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	9	1.67
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	9	1.67
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	9	1.67
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	9	1.67
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	9	1.67
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	9	1.67
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB1	11	1.67
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB2	11	1.67
(1,1859)	1:B:72:HIS:HE1	1:B:120:ALA:HB3	11	1.67
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	9	1.67
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	9	1.67
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	9	1.67
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	17	1.67
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	17	1.67
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	17	1.67
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	19	1.67
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	19	1.67
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	19	1.67
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	4	1.67
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	4	1.67
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	4	1.67
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	4	1.67
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	4	1.67
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	4	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	4	1.67
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	4	1.67
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	4	1.67
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	10	1.67
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	10	1.67
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	10	1.67
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	16	1.67
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	16	1.67
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	16	1.67
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	2	1.67
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	2	1.67
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	2	1.67
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	2	1.67
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	2	1.67
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	2	1.67
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	17	1.66
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	17	1.66
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	17	1.66
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	17	1.66
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	17	1.66
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	17	1.66
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	9	1.66
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	9	1.66
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	9	1.66
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	9	1.66
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	9	1.66
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	9	1.66
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	11	1.66
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	11	1.66
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	11	1.66
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	11	1.66
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	11	1.66
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	11	1.66
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	1	1.66
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	1	1.66
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	1	1.66
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	5	1.66
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	5	1.66
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	5	1.66
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	5	1.66
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	5	1.66
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	5	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	2	1.66
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	2	1.66
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	2	1.66
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	2	1.66
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	2	1.66
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	2	1.66
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	2	1.66
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	2	1.66
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	2	1.66
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	13	1.66
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	13	1.66
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	13	1.66
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	4	1.66
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	6	1.66
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	6	1.66
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	6	1.66
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	16	1.66
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	16	1.66
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	16	1.66
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	16	1.66
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	16	1.66
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	16	1.66
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	15	1.66
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	15	1.66
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	15	1.66
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	7	1.66
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	7	1.66
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	7	1.66
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	3	1.65
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	3	1.65
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	3	1.65
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	3	1.65
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	3	1.65
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	3	1.65
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	14	1.65
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	14	1.65
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	14	1.65
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	14	1.65
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	14	1.65
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	18	1.65
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	18	1.65
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	18	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	10	1.65
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	10	1.65
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	10	1.65
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	6	1.65
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	6	1.65
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	6	1.65
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	1	1.65
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	1	1.65
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	1	1.65
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	14	1.65
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	14	1.65
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	14	1.65
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	14	1.65
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	14	1.65
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	14	1.65
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	3	1.65
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	3	1.65
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	3	1.65
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	14	1.65
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	14	1.65
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	14	1.65
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	3	1.65
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	3	1.65
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	3	1.65
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	6	1.65
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	6	1.65
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	3	1.65
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	3	1.65
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	3	1.65
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	4	1.65
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	4	1.65
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	4	1.65
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	2	1.64
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	2	1.64
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	2	1.64
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	2	1.64
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	2	1.64
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	2	1.64
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	16	1.64
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	16	1.64
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	16	1.64
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	16	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	16	1.64
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	16	1.64
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	1	1.64
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	1	1.64
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	1	1.64
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	1	1.64
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	1	1.64
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	1	1.64
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	15	1.64
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	15	1.64
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	15	1.64
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	15	1.64
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	15	1.64
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	15	1.64
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	11	1.64
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	11	1.64
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	11	1.64
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	4	1.64
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	4	1.64
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	4	1.64
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	4	1.64
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	4	1.64
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	4	1.64
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	4	1.64
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	4	1.64
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	4	1.64
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	4	1.64
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	4	1.64
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	4	1.64
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	4	1.64
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	4	1.64
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	4	1.64
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	12	1.64
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	12	1.64
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	19	1.64
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	19	1.64
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	19	1.64
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	19	1.64
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	19	1.64
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	19	1.64
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	14	1.64
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	14	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	14	1.64
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	14	1.64
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	9	1.64
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	9	1.64
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	9	1.64
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	8	1.64
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	18	1.64
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	18	1.64
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	18	1.64
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	3	1.64
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	12	1.64
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	12	1.64
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	12	1.64
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	15	1.64
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	15	1.64
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	15	1.64
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	15	1.64
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	15	1.64
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	15	1.64
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	19	1.64
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	19	1.64
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	5	1.64
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	5	1.64
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	5	1.64
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	2	1.63
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	2	1.63
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	19	1.63
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	19	1.63
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	9	1.63
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	9	1.63
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	9	1.63
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	9	1.63
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	9	1.63
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	9	1.63
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	20	1.63
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	20	1.63
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	20	1.63
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	20	1.63
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	20	1.63
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	20	1.63
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	20	1.63
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	20	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	20	1.63
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	20	1.63
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	20	1.63
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	20	1.63
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	3	1.63
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	3	1.63
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	3	1.63
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	3	1.63
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	3	1.63
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	3	1.63
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	3	1.63
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	3	1.63
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	3	1.63
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	3	1.63
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	3	1.63
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	3	1.63
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	8	1.63
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	8	1.63
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	8	1.63
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	8	1.63
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	8	1.63
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	8	1.63
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	8	1.63
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	8	1.63
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	8	1.63
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	17	1.63
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	17	1.63
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	10	1.63
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	16	1.63
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	16	1.63
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	16	1.63
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	7	1.63
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	7	1.63
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	7	1.63
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	7	1.63
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	15	1.63
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD2	1	1.63
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD3	1	1.63
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	4	1.63
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	4	1.63
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	4	1.63
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	20	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	20	1.63
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	20	1.63
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	16	1.62
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	16	1.62
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	16	1.62
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	16	1.62
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	16	1.62
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	16	1.62
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	5	1.62
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	5	1.62
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	5	1.62
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	5	1.62
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	5	1.62
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	5	1.62
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	3	1.62
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	3	1.62
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	3	1.62
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	3	1.62
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	3	1.62
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	3	1.62
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	3	1.62
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	3	1.62
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	3	1.62
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	3	1.62
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	3	1.62
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	3	1.62
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	3	1.62
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	3	1.62
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	3	1.62
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	10	1.62
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	10	1.62
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	10	1.62
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	10	1.62
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	17	1.62
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	17	1.62
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	17	1.62
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	8	1.62
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	8	1.62
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	8	1.62
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	15	1.62
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	15	1.62
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	15	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	10	1.62
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	10	1.62
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	10	1.62
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	9	1.62
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	9	1.62
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	9	1.62
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	9	1.62
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	9	1.62
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	9	1.62
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	9	1.62
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	9	1.62
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	9	1.62
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	10	1.62
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	10	1.62
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	10	1.62
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	11	1.62
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	11	1.62
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	11	1.62
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	5	1.61
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	5	1.61
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	20	1.61
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	20	1.61
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	20	1.61
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	20	1.61
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	20	1.61
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	20	1.61
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	7	1.61
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	7	1.61
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	7	1.61
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	7	1.61
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	6	1.61
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	6	1.61
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	6	1.61
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	4	1.61
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	4	1.61
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	4	1.61
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	4	1.61
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	4	1.61
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	4	1.61
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	4	1.61
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	4	1.61
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	4	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	11	1.61
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	11	1.61
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	11	1.61
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	15	1.61
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	15	1.61
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	15	1.61
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	4	1.61
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	4	1.61
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	4	1.61
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	14	1.61
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	14	1.61
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	14	1.61
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	2	1.61
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	2	1.61
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	2	1.61
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	6	1.61
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	6	1.61
(1,1566)	1:B:92:ARG:HG2	1:B:93:ASP:HB3	7	1.61
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	19	1.61
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	19	1.61
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	19	1.61
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	19	1.61
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	19	1.61
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	19	1.61
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	20	1.61
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	20	1.61
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	1	1.61
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	1	1.61
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	1	1.61
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	8	1.61
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	8	1.61
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	8	1.61
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	12	1.61
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	12	1.61
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	12	1.61
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	13	1.61
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	13	1.61
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	13	1.61
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	13	1.61
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	13	1.61
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	13	1.61
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	12	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	12	1.6
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	12	1.6
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	12	1.6
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	12	1.6
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	12	1.6
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	1	1.6
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	1	1.6
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	1	1.6
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	1	1.6
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	13	1.6
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	13	1.6
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	13	1.6
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	13	1.6
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	1	1.6
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	1	1.6
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	1	1.6
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	20	1.6
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	20	1.6
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	20	1.6
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	20	1.6
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	20	1.6
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	20	1.6
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	6	1.6
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	6	1.6
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	6	1.6
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	6	1.6
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	6	1.6
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	6	1.6
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	6	1.6
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	6	1.6
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	6	1.6
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	6	1.6
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	6	1.6
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	6	1.6
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	9	1.6
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	9	1.6
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	9	1.6
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	9	1.6
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	9	1.6
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	9	1.6
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	20	1.6
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	20	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	20	1.6
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	11	1.6
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	11	1.6
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	11	1.6
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	11	1.6
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	11	1.6
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	11	1.6
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	17	1.6
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	13	1.6
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	13	1.6
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	13	1.6
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HG	19	1.59
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HG	19	1.59
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB2	19	1.59
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB2	19	1.59
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB3	19	1.59
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB3	19	1.59
(3,335)	1:B:141:SER:HB2	1:B:130:LEU:HG	19	1.59
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	15	1.59
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	15	1.59
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	15	1.59
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	15	1.59
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	15	1.59
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	15	1.59
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	15	1.59
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	15	1.59
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	15	1.59
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	15	1.59
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	15	1.59
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	15	1.59
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	9	1.59
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	9	1.59
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	9	1.59
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	4	1.59
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	4	1.59
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	4	1.59
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	4	1.59
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	6	1.59
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	6	1.59
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	6	1.59
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	6	1.59
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	6	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	6	1.59
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	6	1.59
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	6	1.59
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	6	1.59
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	6	1.59
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	6	1.59
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	6	1.59
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	6	1.59
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	6	1.59
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	6	1.59
(1,1947)	1:B:62:SER:HB3	1:B:65:ASP:HB3	4	1.59
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	5	1.59
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	5	1.59
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	5	1.59
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	2	1.59
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	2	1.59
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	2	1.59
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	4	1.58
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	4	1.58
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	4	1.58
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	4	1.58
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	16	1.58
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	16	1.58
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	16	1.58
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	16	1.58
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	5	1.58
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	5	1.58
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	5	1.58
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	11	1.58
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	11	1.58
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	11	1.58
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	11	1.58
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	11	1.58
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	11	1.58
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	11	1.58
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	11	1.58
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	11	1.58
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	16	1.58
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	16	1.58
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	16	1.58
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	16	1.58
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	16	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	16	1.58
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	16	1.58
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	16	1.58
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	16	1.58
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	11	1.58
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	11	1.58
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	11	1.58
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	11	1.58
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	11	1.58
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	10	1.58
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	10	1.58
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	10	1.58
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	6	1.58
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	6	1.58
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	6	1.58
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG2	5	1.58
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG3	5	1.58
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	5	1.58
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	6	1.58
(1,2710)	1:B:87:LEU:HD11	1:B:104:ASN:HB2	8	1.58
(1,2710)	1:B:87:LEU:HD12	1:B:104:ASN:HB2	8	1.58
(1,2710)	1:B:87:LEU:HD13	1:B:104:ASN:HB2	8	1.58
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	3	1.58
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	3	1.58
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	3	1.58
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	15	1.58
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	1	1.58
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	1	1.58
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	1	1.58
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	18	1.58
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	18	1.58
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	18	1.58
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	8	1.58
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	14	1.58
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	14	1.58
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	14	1.58
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	14	1.58
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	14	1.58
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	14	1.58
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	5	1.57
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	5	1.57
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	5	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	5	1.57
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	5	1.57
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	5	1.57
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	17	1.57
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	17	1.57
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	17	1.57
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	17	1.57
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	17	1.57
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	17	1.57
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	12	1.57
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	12	1.57
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	3	1.57
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	3	1.57
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	3	1.57
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	3	1.57
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	3	1.57
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	3	1.57
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	18	1.57
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	18	1.57
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	18	1.57
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	18	1.57
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	18	1.57
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	18	1.57
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	9	1.57
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	9	1.57
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	9	1.57
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	9	1.57
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	9	1.57
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	18	1.57
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	5	1.57
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	5	1.57
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	5	1.57
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	11	1.57
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	11	1.57
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	11	1.57
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	11	1.57
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	18	1.57
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	18	1.57
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	18	1.57
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	18	1.57
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	2	1.57
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	2	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	15	1.57
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	15	1.57
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	15	1.57
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	17	1.57
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	17	1.57
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	17	1.57
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	19	1.57
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	19	1.57
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	19	1.57
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	19	1.57
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	19	1.57
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	19	1.57
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	19	1.57
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	19	1.57
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	19	1.57
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	20	1.57
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	20	1.57
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	20	1.57
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	20	1.57
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	20	1.57
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	20	1.57
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	20	1.57
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	20	1.57
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	20	1.57
(1,2552)	1:B:17:LEU:HD11	1:B:40:LEU:HB2	6	1.57
(1,2552)	1:B:17:LEU:HD12	1:B:40:LEU:HB2	6	1.57
(1,2552)	1:B:17:LEU:HD13	1:B:40:LEU:HB2	6	1.57
(1,2552)	1:B:17:LEU:HD11	1:B:40:LEU:HG	6	1.57
(1,2552)	1:B:17:LEU:HD12	1:B:40:LEU:HG	6	1.57
(1,2552)	1:B:17:LEU:HD13	1:B:40:LEU:HG	6	1.57
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	9	1.57
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	9	1.57
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	9	1.57
(1,1566)	1:B:92:ARG:HG2	1:B:93:ASP:HB3	9	1.57
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	1	1.56
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	1	1.56
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	11	1.56
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	11	1.56
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	11	1.56
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	11	1.56
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	11	1.56
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	11	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	11	1.56
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	11	1.56
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	11	1.56
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	11	1.56
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	11	1.56
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	11	1.56
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	11	1.56
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	11	1.56
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	11	1.56
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	11	1.56
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	11	1.56
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	11	1.56
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	18	1.56
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	18	1.56
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	18	1.56
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	18	1.56
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	18	1.56
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	18	1.56
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	2	1.56
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	2	1.56
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	2	1.56
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	2	1.56
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	2	1.56
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	2	1.56
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	2	1.56
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	2	1.56
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	2	1.56
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	2	1.56
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	2	1.56
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	2	1.56
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	2	1.56
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	2	1.56
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	2	1.56
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	19	1.56
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	19	1.56
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	19	1.56
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	6	1.56
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	13	1.56
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	13	1.56
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	12	1.56
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	12	1.56
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	12	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	7	1.56
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	7	1.56
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	7	1.56
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	7	1.56
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	7	1.56
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	7	1.56
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	12	1.56
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	12	1.56
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	12	1.56
(1,2759)	1:B:88:PHE:HZ	1:B:89:GLU:HG3	15	1.56
(1,2237)	1:B:123:LEU:HG	1:B:121:LEU:HB2	4	1.56
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	12	1.56
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	12	1.56
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	12	1.56
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	16	1.56
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	16	1.56
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	16	1.56
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	9	1.56
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	9	1.56
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	9	1.56
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	20	1.56
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	20	1.56
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	20	1.56
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	3	1.56
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	3	1.56
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	3	1.56
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	6	1.56
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	6	1.56
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	6	1.56
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	13	1.55
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	13	1.55
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	13	1.55
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	13	1.55
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	13	1.55
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	13	1.55
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	13	1.55
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	13	1.55
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	13	1.55
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	13	1.55
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	13	1.55
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	13	1.55
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	13	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	13	1.55
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	13	1.55
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	13	1.55
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	13	1.55
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	13	1.55
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	20	1.55
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	20	1.55
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	20	1.55
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	20	1.55
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	20	1.55
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	20	1.55
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	13	1.55
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	13	1.55
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	11	1.55
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	11	1.55
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	11	1.55
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	11	1.55
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	11	1.55
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	11	1.55
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	11	1.55
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	4	1.55
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	4	1.55
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	4	1.55
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	4	1.55
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	4	1.55
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	4	1.55
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	18	1.55
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	19	1.55
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	19	1.55
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	10	1.55
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	10	1.55
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	10	1.55
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	16	1.55
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	16	1.55
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	16	1.55
(1,2759)	1:B:88:PHE:HZ	1:B:89:GLU:HG3	7	1.55
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	20	1.55
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	20	1.55
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	20	1.55
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	15	1.55
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	15	1.55
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	15	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	19	1.55
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	19	1.55
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	19	1.55
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	5	1.55
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	5	1.55
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	5	1.55
(1,1558)	1:B:92:ARG:HD2	1:B:89:GLU:HB2	4	1.55
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	4	1.55
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	4	1.55
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	4	1.55
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG11	7	1.55
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG12	7	1.55
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG13	7	1.55
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG21	7	1.55
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG22	7	1.55
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG23	7	1.55
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	7	1.55
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	7	1.55
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	7	1.55
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	8	1.55
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	8	1.55
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	8	1.55
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	1	1.55
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	1	1.55
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	1	1.55
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	14	1.55
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	14	1.55
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	14	1.55
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	8	1.55
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	8	1.55
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	8	1.55
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	14	1.54
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	14	1.54
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	14	1.54
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	14	1.54
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	14	1.54
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	14	1.54
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	3	1.54
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	3	1.54
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	3	1.54
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	18	1.54
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	18	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	18	1.54
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	18	1.54
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	18	1.54
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	18	1.54
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	18	1.54
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	18	1.54
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	18	1.54
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	18	1.54
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	18	1.54
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	18	1.54
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	15	1.54
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	15	1.54
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	15	1.54
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	15	1.54
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	15	1.54
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	15	1.54
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	1	1.54
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	1	1.54
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	1	1.54
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	1	1.54
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	1	1.54
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	1	1.54
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	6	1.54
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	6	1.54
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	6	1.54
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	6	1.54
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	6	1.54
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	6	1.54
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	6	1.54
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	6	1.54
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	6	1.54
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	6	1.54
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	6	1.54
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	6	1.54
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	6	1.54
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	6	1.54
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	6	1.54
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	6	1.54
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	6	1.54
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	6	1.54
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	12	1.54
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	12	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	12	1.54
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	7	1.54
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	7	1.54
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	7	1.54
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	7	1.54
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	7	1.54
(1,2710)	1:B:87:LEU:HD11	1:B:104:ASN:HB2	4	1.54
(1,2710)	1:B:87:LEU:HD12	1:B:104:ASN:HB2	4	1.54
(1,2710)	1:B:87:LEU:HD13	1:B:104:ASN:HB2	4	1.54
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	19	1.54
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	19	1.54
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	19	1.54
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	19	1.54
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	19	1.54
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	19	1.54
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	6	1.54
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	6	1.54
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	6	1.54
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	16	1.54
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	7	1.54
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	7	1.54
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	7	1.54
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	7	1.54
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	7	1.54
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	7	1.54
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	13	1.54
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	13	1.54
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	13	1.54
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	3	1.54
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	3	1.54
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	3	1.54
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	6	1.54
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	6	1.54
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	6	1.54
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	18	1.53
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	18	1.53
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	18	1.53
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	18	1.53
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	18	1.53
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	18	1.53
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	18	1.53
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	18	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	18	1.53
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	18	1.53
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	18	1.53
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	18	1.53
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	18	1.53
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	18	1.53
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	18	1.53
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	18	1.53
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	18	1.53
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	18	1.53
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	19	1.53
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	19	1.53
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	19	1.53
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	19	1.53
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	19	1.53
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	19	1.53
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	19	1.53
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	19	1.53
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	19	1.53
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	19	1.53
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	19	1.53
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	19	1.53
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	4	1.53
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	4	1.53
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	9	1.53
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	9	1.53
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	16	1.53
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	16	1.53
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	16	1.53
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	16	1.53
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	15	1.53
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	15	1.53
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	15	1.53
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	10	1.53
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	10	1.53
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	10	1.53
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	10	1.53
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	10	1.53
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	10	1.53
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	19	1.53
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	19	1.53
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	19	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	19	1.53
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	19	1.53
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	19	1.53
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	19	1.53
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	19	1.53
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	19	1.53
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	19	1.53
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	19	1.53
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	19	1.53
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	15	1.53
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	15	1.53
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	4	1.53
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	4	1.53
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	4	1.53
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	2	1.53
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	5	1.53
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	15	1.53
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	15	1.53
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	15	1.53
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	6	1.53
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	6	1.53
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	6	1.53
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	6	1.53
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	6	1.53
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	6	1.53
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	6	1.53
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	6	1.53
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	6	1.53
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	9	1.53
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	10	1.53
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	18	1.53
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	3	1.53
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	3	1.53
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	3	1.53
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	3	1.53
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	3	1.53
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	3	1.53
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	3	1.53
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	3	1.53
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	3	1.53
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	3	1.53
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	3	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	3	1.53
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	10	1.53
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	10	1.53
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	10	1.53
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	10	1.53
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	10	1.53
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	10	1.53
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	6	1.53
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	6	1.53
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	6	1.53
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	7	1.53
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	7	1.53
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	7	1.53
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	19	1.53
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	19	1.53
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	19	1.53
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	6	1.53
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	6	1.53
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	6	1.53
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	11	1.53
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	11	1.53
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	11	1.53
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	7	1.52
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	7	1.52
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	6	1.52
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	6	1.52
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	6	1.52
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	6	1.52
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	6	1.52
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	6	1.52
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	6	1.52
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	6	1.52
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	6	1.52
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	6	1.52
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	6	1.52
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	6	1.52
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	6	1.52
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	6	1.52
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	6	1.52
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	6	1.52
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	6	1.52
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	6	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	3	1.52
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	3	1.52
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	18	1.52
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	18	1.52
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	9	1.52
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	9	1.52
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	9	1.52
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	3	1.52
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	3	1.52
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	3	1.52
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	3	1.52
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	3	1.52
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	3	1.52
(1,992)	1:B:129:GLU:HG3	1:B:130:LEU:HG	9	1.52
(1,992)	1:B:129:GLU:HG2	1:B:130:LEU:HG	9	1.52
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	17	1.52
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	17	1.52
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	17	1.52
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	14	1.52
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	14	1.52
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	14	1.52
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	9	1.52
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	16	1.52
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	16	1.52
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	16	1.52
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	16	1.52
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	16	1.52
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	16	1.52
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	16	1.52
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	16	1.52
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	16	1.52
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG21	3	1.52
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG22	3	1.52
(1,2459)	1:B:29:GLY:HA3	1:B:27:VAL:HG23	3	1.52
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	13	1.52
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	13	1.52
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	13	1.52
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	18	1.52
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	18	1.52
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	18	1.52
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD3	11	1.52
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD2	11	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD3	11	1.52
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD2	11	1.52
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	6	1.52
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	6	1.52
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	6	1.52
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	6	1.52
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	6	1.52
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	6	1.52
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	6	1.52
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	6	1.52
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	6	1.52
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	7	1.52
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	7	1.52
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	20	1.51
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	20	1.51
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	20	1.51
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	20	1.51
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	10	1.51
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	10	1.51
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	10	1.51
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	10	1.51
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	10	1.51
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	10	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	6	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	6	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	6	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	6	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	6	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	6	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	18	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	18	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	18	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	18	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	18	1.51
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	18	1.51
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	5	1.51
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	5	1.51
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	5	1.51
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	5	1.51
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	10	1.51
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	10	1.51
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	10	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	10	1.51
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	10	1.51
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	10	1.51
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	10	1.51
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	10	1.51
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	10	1.51
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	19	1.51
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	19	1.51
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	19	1.51
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	13	1.51
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	13	1.51
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	13	1.51
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	8	1.51
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	8	1.51
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	8	1.51
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	17	1.51
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	17	1.51
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	17	1.51
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	18	1.51
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	18	1.51
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	18	1.51
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	19	1.51
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	19	1.51
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	19	1.51
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	19	1.51
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	19	1.51
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	19	1.51
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	19	1.51
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	19	1.51
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	19	1.51
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	16	1.51
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	16	1.51
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	16	1.51
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	16	1.51
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	16	1.51
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	17	1.51
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	17	1.51
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	17	1.51
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD3	9	1.51
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD2	9	1.51
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD3	9	1.51
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD2	9	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	7	1.51
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	7	1.51
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	7	1.51
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	14	1.5
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	14	1.5
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	14	1.5
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	14	1.5
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	14	1.5
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	14	1.5
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	14	1.5
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	14	1.5
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	14	1.5
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	14	1.5
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	14	1.5
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	14	1.5
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	15	1.5
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	15	1.5
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	15	1.5
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	15	1.5
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	15	1.5
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	15	1.5
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	16	1.5
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	16	1.5
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	16	1.5
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	16	1.5
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	16	1.5
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	16	1.5
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	15	1.5
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	15	1.5
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	15	1.5
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	15	1.5
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	15	1.5
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	15	1.5
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	18	1.5
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	18	1.5
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	18	1.5
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	18	1.5
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	18	1.5
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	18	1.5
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HG	15	1.5
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HG	15	1.5
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB2	15	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB2	15	1.5
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB3	15	1.5
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB3	15	1.5
(3,335)	1:B:141:SER:HB2	1:B:130:LEU:HG	15	1.5
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HG	18	1.5
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HG	18	1.5
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB2	18	1.5
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB2	18	1.5
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB3	18	1.5
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB3	18	1.5
(3,335)	1:B:141:SER:HB2	1:B:130:LEU:HG	18	1.5
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	3	1.5
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	3	1.5
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	3	1.5
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	3	1.5
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	3	1.5
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	3	1.5
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	8	1.5
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	8	1.5
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	4	1.5
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	4	1.5
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	4	1.5
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	5	1.5
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	2	1.5
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	2	1.5
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	2	1.5
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	4	1.5
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	4	1.5
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	4	1.5
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	14	1.5
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	14	1.5
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	14	1.5
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	14	1.5
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	14	1.5
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	18	1.5
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	18	1.5
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	18	1.5
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	13	1.49
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	13	1.49
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	13	1.49
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	13	1.49
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	13	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	13	1.49
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	7	1.49
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	7	1.49
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	7	1.49
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	7	1.49
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	7	1.49
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	7	1.49
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	4	1.49
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	4	1.49
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	4	1.49
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	4	1.49
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	4	1.49
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	4	1.49
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	4	1.49
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	4	1.49
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	4	1.49
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	4	1.49
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	4	1.49
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	4	1.49
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	4	1.49
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	4	1.49
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	4	1.49
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	16	1.49
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	16	1.49
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	16	1.49
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	16	1.49
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	16	1.49
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	16	1.49
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	16	1.49
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	16	1.49
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	16	1.49
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	16	1.49
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	16	1.49
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	16	1.49
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	16	1.49
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	16	1.49
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	16	1.49
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	18	1.49
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	18	1.49
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	18	1.49
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	12	1.49
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	1	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	1	1.49
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	1	1.49
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	3	1.49
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	3	1.49
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	20	1.49
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	20	1.49
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	20	1.49
(1,1566)	1:B:92:ARG:HG2	1:B:93:ASP:HB3	3	1.49
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	17	1.49
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	17	1.49
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	17	1.49
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	16	1.49
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	16	1.49
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	16	1.49
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	14	1.49
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	8	1.49
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	8	1.49
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	8	1.49
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	1	1.48
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	1	1.48
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	1	1.48
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	1	1.48
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	1	1.48
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	1	1.48
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	1	1.48
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	1	1.48
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	1	1.48
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	1	1.48
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	1	1.48
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	3	1.48
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	3	1.48
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	3	1.48
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	3	1.48
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	3	1.48
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	14	1.48
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	14	1.48
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	14	1.48
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	14	1.48
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	13	1.48
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	10	1.48
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	10	1.48
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	10	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	14	1.48
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	17	1.48
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	8	1.48
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	8	1.48
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	8	1.48
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	8	1.48
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	8	1.48
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	8	1.48
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	19	1.48
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	19	1.48
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	19	1.48
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	19	1.48
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	19	1.48
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	19	1.48
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	16	1.48
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	16	1.48
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	16	1.48
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	17	1.48
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG11	1	1.48
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG12	1	1.48
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG13	1	1.48
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG21	1	1.48
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG22	1	1.48
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG23	1	1.48
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	2	1.48
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	2	1.48
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	2	1.48
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	2	1.48
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	2	1.48
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	2	1.48
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	2	1.48
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	2	1.48
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	2	1.48
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	2	1.48
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	2	1.48
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	2	1.48
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	2	1.48
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	2	1.48
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	2	1.48
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	2	1.48
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	2	1.48
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	2	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	13	1.48
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	13	1.48
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	13	1.48
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	1	1.48
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	1	1.48
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	1	1.48
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	16	1.47
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	16	1.47
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	11	1.47
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	11	1.47
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	11	1.47
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	11	1.47
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	1	1.47
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	1	1.47
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	1	1.47
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	1	1.47
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	1	1.47
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	1	1.47
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	4	1.47
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	4	1.47
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	4	1.47
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	4	1.47
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	4	1.47
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	4	1.47
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	4	1.47
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	4	1.47
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	4	1.47
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	8	1.47
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	8	1.47
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	8	1.47
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	8	1.47
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	8	1.47
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	8	1.47
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	19	1.47
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	19	1.47
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	19	1.47
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	19	1.47
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	15	1.47
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	15	1.47
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	2	1.47
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	14	1.47
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	14	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	14	1.47
(1,2050)	1:B:56:GLN:HG3	1:B:52:HIS:HB2	19	1.47
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	7	1.47
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	7	1.47
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	7	1.47
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	7	1.47
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	7	1.47
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	7	1.47
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	7	1.47
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	7	1.47
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	7	1.47
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	7	1.47
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	7	1.47
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	7	1.47
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	12	1.47
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	12	1.47
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	12	1.47
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	2	1.47
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	2	1.47
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	2	1.47
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	2	1.47
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	2	1.47
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	2	1.47
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	2	1.47
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	2	1.47
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	2	1.47
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	7	1.47
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	7	1.47
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	7	1.47
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	19	1.46
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	19	1.46
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	19	1.46
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	13	1.46
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	13	1.46
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	13	1.46
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	13	1.46
(3,1248)	1:B:89:GLU:HB2	1:B:90:GLU:HG3	5	1.46
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG3	5	1.46
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG2	5	1.46
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	11	1.46
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	15	1.46
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	20	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	20	1.46
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	11	1.46
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	11	1.46
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	11	1.46
(1,2759)	1:B:88:PHE:HZ	1:B:89:GLU:HG3	6	1.46
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	5	1.46
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	5	1.46
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	5	1.46
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	15	1.46
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	15	1.46
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	15	1.46
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	19	1.46
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	19	1.46
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	19	1.46
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	6	1.46
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	6	1.46
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	6	1.46
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	9	1.46
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	9	1.46
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	9	1.46
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	2	1.46
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	2	1.46
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	2	1.46
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	3	1.46
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	3	1.46
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	3	1.46
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	3	1.46
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	3	1.46
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	3	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	3	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	3	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	3	1.46
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	3	1.46
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	3	1.46
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	3	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	3	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	3	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	3	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	3	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	3	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	3	1.46
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	3	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	3	1.46
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	3	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	3	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	3	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	3	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	14	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	14	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	14	1.46
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	14	1.46
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	14	1.46
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	14	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	14	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	14	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	14	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	14	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	14	1.46
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	14	1.46
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	14	1.46
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	14	1.46
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	14	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	14	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	14	1.46
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	14	1.46
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	19	1.46
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	19	1.46
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	19	1.46
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	20	1.45
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	20	1.45
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	20	1.45
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	20	1.45
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	20	1.45
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	20	1.45
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	20	1.45
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	20	1.45
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	20	1.45
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	20	1.45
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	20	1.45
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	20	1.45
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	20	1.45
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	20	1.45
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	20	1.45
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	20	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	20	1.45
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	20	1.45
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	17	1.45
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	17	1.45
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	17	1.45
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	17	1.45
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	17	1.45
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	17	1.45
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	3	1.45
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	3	1.45
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	3	1.45
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	16	1.45
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	16	1.45
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	16	1.45
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	11	1.45
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	11	1.45
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	11	1.45
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	12	1.45
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	9	1.45
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	9	1.45
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	9	1.45
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	9	1.45
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	9	1.45
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	9	1.45
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	20	1.45
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	20	1.45
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	20	1.45
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	20	1.45
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	20	1.45
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	20	1.45
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	1	1.45
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	18	1.45
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	18	1.45
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	18	1.45
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	18	1.45
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	18	1.45
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	18	1.45
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	18	1.45
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	18	1.45
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	18	1.45
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	20	1.45
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	20	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	20	1.45
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	11	1.45
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	11	1.45
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	11	1.45
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	11	1.45
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	11	1.45
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	11	1.45
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	11	1.45
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	11	1.45
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	11	1.45
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	11	1.45
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	11	1.45
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	11	1.45
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	11	1.45
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	11	1.45
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	11	1.45
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	11	1.45
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	11	1.45
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	11	1.45
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	11	1.45
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	11	1.45
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	11	1.45
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	8	1.45
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	8	1.45
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	8	1.45
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	14	1.45
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	14	1.45
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	14	1.45
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	1	1.45
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	1	1.45
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	1	1.45
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	1	1.45
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	1	1.45
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	1	1.45
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	1	1.45
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	1	1.45
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	1	1.45
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	1	1.45
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	1	1.45
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	1	1.45
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	1	1.45
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	1	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	1	1.45
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	1	1.45
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	1	1.45
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	1	1.45
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	19	1.45
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	19	1.45
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	19	1.45
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	13	1.45
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	13	1.45
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	13	1.45
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	1	1.44
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	1	1.44
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	1	1.44
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	1	1.44
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	1	1.44
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	1	1.44
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	7	1.44
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	7	1.44
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	7	1.44
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	7	1.44
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	1	1.44
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	1	1.44
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	1	1.44
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	1	1.44
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	20	1.44
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	20	1.44
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	20	1.44
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	20	1.44
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	13	1.44
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	13	1.44
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	13	1.44
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	15	1.44
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	15	1.44
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	15	1.44
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	16	1.44
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	16	1.44
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	16	1.44
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	16	1.44
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	16	1.44
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	16	1.44
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	15	1.44
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	15	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	15	1.44
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	15	1.44
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	15	1.44
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	15	1.44
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	15	1.44
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	15	1.44
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	15	1.44
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	2	1.44
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	2	1.44
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	2	1.44
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	3	1.44
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	3	1.44
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	3	1.44
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	3	1.44
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	12	1.44
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	12	1.44
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	12	1.44
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	12	1.44
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	1	1.44
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	11	1.44
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	20	1.44
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	11	1.44
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	11	1.44
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	11	1.44
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	16	1.44
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	16	1.44
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	16	1.44
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	17	1.44
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	17	1.44
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	17	1.44
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	17	1.44
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	17	1.44
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	17	1.44
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	17	1.44
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	17	1.44
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	17	1.44
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	12	1.44
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	12	1.44
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	12	1.44
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	12	1.44
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	12	1.44
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	12	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	12	1.44
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	12	1.44
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	12	1.44
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	12	1.44
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	12	1.44
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	12	1.44
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	3	1.44
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	3	1.44
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	3	1.44
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	9	1.44
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	9	1.44
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	9	1.44
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	17	1.44
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	17	1.44
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	17	1.44
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	5	1.43
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	5	1.43
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	5	1.43
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	5	1.43
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	5	1.43
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	5	1.43
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	7	1.43
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	7	1.43
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	7	1.43
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	7	1.43
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	17	1.43
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	17	1.43
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	17	1.43
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	17	1.43
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	17	1.43
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	17	1.43
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	20	1.43
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	20	1.43
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	20	1.43
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	20	1.43
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	20	1.43
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	20	1.43
(3,1191)	1:B:73:ILE:HG21	1:B:117:LYS:HB3	6	1.43
(3,1191)	1:B:73:ILE:HG22	1:B:117:LYS:HB3	6	1.43
(3,1191)	1:B:73:ILE:HG23	1:B:117:LYS:HB3	6	1.43
(3,1191)	1:B:73:ILE:HG21	1:B:121:LEU:HG	6	1.43
(3,1191)	1:B:73:ILE:HG22	1:B:121:LEU:HG	6	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1191)	1:B:73:ILE:HG23	1:B:121:LEU:HG	6	1.43
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	9	1.43
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	9	1.43
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	9	1.43
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	9	1.43
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	9	1.43
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	9	1.43
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	9	1.43
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	9	1.43
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	9	1.43
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	9	1.43
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	9	1.43
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	9	1.43
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	9	1.43
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	9	1.43
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	9	1.43
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	9	1.43
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	9	1.43
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	9	1.43
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	2	1.43
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	2	1.43
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	2	1.43
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	9	1.43
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	9	1.43
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	9	1.43
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	12	1.43
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	12	1.43
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	12	1.43
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	5	1.43
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	10	1.43
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	11	1.43
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	11	1.43
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	11	1.43
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE1	10	1.43
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE2	10	1.43
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE3	10	1.43
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE1	10	1.43
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE2	10	1.43
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE3	10	1.43
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE1	10	1.43
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE2	10	1.43
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE3	10	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1947)	1:B:62:SER:HB3	1:B:65:ASP:HB3	16	1.43
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	4	1.43
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	4	1.43
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	4	1.43
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	4	1.43
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	4	1.43
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	4	1.43
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	4	1.43
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	4	1.43
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	4	1.43
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	4	1.43
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	4	1.43
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	4	1.43
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	7	1.43
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	7	1.43
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	7	1.43
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	4	1.43
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	18	1.43
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	18	1.43
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	18	1.43
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	7	1.43
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	7	1.43
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	7	1.43
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	7	1.43
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	7	1.43
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	7	1.43
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	19	1.42
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	19	1.42
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	19	1.42
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	19	1.42
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	19	1.42
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	19	1.42
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	11	1.42
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	11	1.42
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	11	1.42
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	11	1.42
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	11	1.42
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	11	1.42
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	11	1.42
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	11	1.42
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	11	1.42
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	11	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	11	1.42
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	11	1.42
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	5	1.42
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	5	1.42
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	5	1.42
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	5	1.42
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	12	1.42
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	12	1.42
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	12	1.42
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	12	1.42
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	12	1.42
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	12	1.42
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	9	1.42
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	9	1.42
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	9	1.42
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	9	1.42
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	9	1.42
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	9	1.42
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	9	1.42
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	9	1.42
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	9	1.42
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	10	1.42
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	10	1.42
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	10	1.42
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	10	1.42
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	10	1.42
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	10	1.42
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	8	1.42
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	8	1.42
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	8	1.42
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	8	1.42
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	8	1.42
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	8	1.42
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	4	1.42
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	4	1.42
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	4	1.42
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	4	1.42
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	4	1.42
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	4	1.42
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	2	1.42
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	2	1.42
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	2	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	2	1.42
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	2	1.42
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	2	1.42
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	2	1.42
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	2	1.42
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	2	1.42
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	3	1.42
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	3	1.42
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	3	1.42
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	13	1.42
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	13	1.42
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	13	1.42
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE1	11	1.42
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE2	11	1.42
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE3	11	1.42
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE1	11	1.42
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE2	11	1.42
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE3	11	1.42
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE1	11	1.42
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE2	11	1.42
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE3	11	1.42
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	2	1.42
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	2	1.42
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	2	1.42
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	2	1.42
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	2	1.42
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	2	1.42
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	2	1.42
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	2	1.42
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	2	1.42
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	3	1.42
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	3	1.42
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	3	1.42
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	3	1.42
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	14	1.42
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	10	1.42
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	10	1.42
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	10	1.42
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	5	1.42
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	5	1.42
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	4	1.42
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	4	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	4	1.42
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	10	1.42
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	10	1.42
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	10	1.42
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	5	1.41
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	5	1.41
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	7	1.41
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	7	1.41
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	7	1.41
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	7	1.41
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	16	1.41
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	16	1.41
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	16	1.41
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	16	1.41
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	16	1.41
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	16	1.41
(3,1248)	1:B:89:GLU:HB2	1:B:90:GLU:HG3	17	1.41
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG3	17	1.41
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG2	17	1.41
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	8	1.41
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	8	1.41
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	8	1.41
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	8	1.41
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	13	1.41
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	13	1.41
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	13	1.41
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	13	1.41
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	13	1.41
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	13	1.41
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	13	1.41
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	13	1.41
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	13	1.41
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	16	1.41
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	16	1.41
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	16	1.41
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	16	1.41
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	16	1.41
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	16	1.41
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	16	1.41
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	16	1.41
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	16	1.41
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	20	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	20	1.41
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	20	1.41
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	9	1.41
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	9	1.41
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	9	1.41
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	9	1.41
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	9	1.41
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	9	1.41
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	9	1.41
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	9	1.41
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	9	1.41
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	18	1.41
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	18	1.41
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	5	1.41
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	5	1.41
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	5	1.41
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	18	1.41
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	18	1.41
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	18	1.41
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	18	1.41
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	18	1.41
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	18	1.41
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	3	1.41
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	8	1.41
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	8	1.41
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	8	1.41
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	8	1.41
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	8	1.41
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	8	1.41
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	8	1.41
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	8	1.41
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	8	1.41
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	8	1.41
(1,1947)	1:B:62:SER:HB3	1:B:65:ASP:HB3	11	1.41
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	18	1.41
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	18	1.41
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	18	1.41
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	18	1.41
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	18	1.41
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	18	1.41
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	19	1.41
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	19	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	19	1.41
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	16	1.4
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	16	1.4
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	16	1.4
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	16	1.4
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	16	1.4
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	16	1.4
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	12	1.4
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	12	1.4
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	12	1.4
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	12	1.4
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	19	1.4
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	19	1.4
(3,1248)	1:B:89:GLU:HB2	1:B:90:GLU:HG3	18	1.4
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG3	18	1.4
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG2	18	1.4
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	9	1.4
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	9	1.4
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	9	1.4
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	9	1.4
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	12	1.4
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	12	1.4
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	12	1.4
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	12	1.4
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	12	1.4
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	12	1.4
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	12	1.4
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	12	1.4
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	12	1.4
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	12	1.4
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	12	1.4
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	12	1.4
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	12	1.4
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	12	1.4
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	12	1.4
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	3	1.4
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	3	1.4
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	3	1.4
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	17	1.4
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	17	1.4
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	17	1.4
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	17	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	6	1.4
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	19	1.4
(1,2390)	1:B:36:ILE:HG13	1:B:35:ALA:H	16	1.4
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	15	1.4
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	15	1.4
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	15	1.4
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	15	1.4
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	15	1.4
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	15	1.4
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	15	1.4
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	15	1.4
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	15	1.4
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	16	1.4
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	11	1.4
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	11	1.4
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	11	1.4
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	4	1.4
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	4	1.4
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	4	1.4
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	3	1.4
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	3	1.4
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	3	1.4
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	12	1.4
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	12	1.4
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	12	1.4
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	12	1.4
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	12	1.4
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	12	1.4
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	12	1.4
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	12	1.4
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	12	1.4
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	9	1.4
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	9	1.4
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	9	1.4
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	5	1.4
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	5	1.4
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	5	1.4
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	7	1.4
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	7	1.4
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	7	1.4
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	2	1.39
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	2	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	2	1.39
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	2	1.39
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	2	1.39
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	2	1.39
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	12	1.39
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	12	1.39
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	12	1.39
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	12	1.39
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	12	1.39
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	12	1.39
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	13	1.39
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	13	1.39
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	13	1.39
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	13	1.39
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	13	1.39
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	13	1.39
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	13	1.39
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	13	1.39
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	13	1.39
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	2	1.39
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	2	1.39
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	2	1.39
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	2	1.39
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	2	1.39
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	2	1.39
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	17	1.39
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	17	1.39
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	17	1.39
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	17	1.39
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	17	1.39
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	17	1.39
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	14	1.39
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	14	1.39
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	15	1.39
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	15	1.39
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	15	1.39
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	2	1.39
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	4	1.39
(1,2556)	1:B:17:LEU:HD21	1:B:54:LEU:HA	11	1.39
(1,2556)	1:B:17:LEU:HD22	1:B:54:LEU:HA	11	1.39
(1,2556)	1:B:17:LEU:HD23	1:B:54:LEU:HA	11	1.39
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	2	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	10	1.39
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	19	1.39
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	19	1.39
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	19	1.39
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	4	1.39
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	11	1.39
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	12	1.39
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	12	1.39
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	12	1.39
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	9	1.39
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	9	1.39
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	9	1.39
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD11	13	1.38
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD12	13	1.38
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD13	13	1.38
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD11	13	1.38
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD12	13	1.38
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD13	13	1.38
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	7	1.38
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	7	1.38
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	7	1.38
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	7	1.38
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	7	1.38
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	7	1.38
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	17	1.38
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	17	1.38
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	5	1.38
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	5	1.38
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	5	1.38
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	16	1.38
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	16	1.38
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	16	1.38
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	16	1.38
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	16	1.38
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	16	1.38
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	12	1.38
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	12	1.38
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	12	1.38
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	12	1.38
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	12	1.38
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	12	1.38
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	12	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	12	1.38
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	12	1.38
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	8	1.38
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	8	1.38
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	8	1.38
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	8	1.38
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	8	1.38
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	8	1.38
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	16	1.38
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	3	1.38
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD11	14	1.38
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD12	14	1.38
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD13	14	1.38
(1,2006)	1:B:29:GLY:HA2	1:B:30:GLN:HG3	20	1.38
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	16	1.38
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	16	1.38
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	16	1.38
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	6	1.38
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	6	1.38
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	6	1.38
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	13	1.38
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	13	1.38
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	13	1.38
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	12	1.37
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	12	1.37
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	4	1.37
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	4	1.37
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	4	1.37
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	4	1.37
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	4	1.37
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	4	1.37
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	4	1.37
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	4	1.37
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	4	1.37
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	4	1.37
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	4	1.37
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	4	1.37
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	19	1.37
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	19	1.37
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	19	1.37
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	19	1.37
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	17	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	17	1.37
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	17	1.37
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	17	1.37
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	17	1.37
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	17	1.37
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	17	1.37
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	17	1.37
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	17	1.37
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	9	1.37
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	9	1.37
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	9	1.37
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	3	1.37
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	3	1.37
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	3	1.37
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	19	1.37
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	19	1.37
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	19	1.37
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	8	1.37
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	20	1.37
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	10	1.37
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	13	1.37
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	17	1.37
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	17	1.37
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	17	1.37
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	17	1.37
(1,2361)	1:B:38:ALA:HB1	1:B:50:ILE:HB	15	1.37
(1,2361)	1:B:38:ALA:HB2	1:B:50:ILE:HB	15	1.37
(1,2361)	1:B:38:ALA:HB3	1:B:50:ILE:HB	15	1.37
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	16	1.37
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	16	1.37
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	16	1.37
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	16	1.37
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	16	1.37
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	16	1.37
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	16	1.37
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	16	1.37
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	16	1.37
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	10	1.37
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	10	1.37
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	10	1.37
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	18	1.37
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	18	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	18	1.37
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	20	1.37
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	20	1.37
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	20	1.37
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	1	1.37
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	1	1.37
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	1	1.37
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	17	1.36
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	17	1.36
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	17	1.36
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	17	1.36
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	4	1.36
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	4	1.36
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	4	1.36
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	4	1.36
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	4	1.36
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	4	1.36
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	4	1.36
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	7	1.36
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	7	1.36
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	7	1.36
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	7	1.36
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	7	1.36
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	7	1.36
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	7	1.36
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	8	1.36
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	8	1.36
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	8	1.36
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	8	1.36
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	7	1.36
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	7	1.36
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	7	1.36
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	7	1.36
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	7	1.36
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	7	1.36
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	6	1.36
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	6	1.36
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	6	1.36
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	10	1.36
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	18	1.36
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	19	1.36
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	19	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	19	1.36
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	12	1.36
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	17	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	6	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	6	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	6	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	8	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	8	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	8	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	11	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	11	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	11	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	13	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	13	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	13	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	15	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	15	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	15	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	19	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	19	1.36
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	19	1.36
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	5	1.36
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	5	1.36
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	5	1.36
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	2	1.36
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	2	1.36
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	2	1.36
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	2	1.36
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	2	1.36
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	2	1.36
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	2	1.36
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	2	1.36
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	2	1.36
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	3	1.36
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	3	1.36
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	3	1.36
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	3	1.36
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	3	1.36
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	3	1.36
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	3	1.36
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	3	1.36
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	3	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	8	1.36
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	8	1.36
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	8	1.36
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	11	1.36
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	11	1.36
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	11	1.36
(1,1142)	1:B:75:LEU:HG	1:B:74:VAL:HA	15	1.36
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	7	1.36
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	7	1.36
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	1	1.35
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	1	1.35
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	1	1.35
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	1	1.35
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	1	1.35
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	1	1.35
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	1	1.35
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	1	1.35
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	1	1.35
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	1	1.35
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	1	1.35
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	1	1.35
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	3	1.35
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	3	1.35
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	3	1.35
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	3	1.35
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	3	1.35
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	3	1.35
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	3	1.35
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	3	1.35
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	3	1.35
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	3	1.35
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	3	1.35
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	3	1.35
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	7	1.35
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	7	1.35
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	7	1.35
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	7	1.35
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	7	1.35
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	7	1.35
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	7	1.35
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	7	1.35
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	7	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HG	17	1.35
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HG	17	1.35
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB2	17	1.35
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB2	17	1.35
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB3	17	1.35
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB3	17	1.35
(3,335)	1:B:141:SER:HB2	1:B:130:LEU:HG	17	1.35
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	3	1.35
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	3	1.35
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	3	1.35
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	3	1.35
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	3	1.35
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	3	1.35
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	18	1.35
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	18	1.35
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	18	1.35
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	14	1.35
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	14	1.35
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	14	1.35
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	14	1.35
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	14	1.35
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	14	1.35
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	14	1.35
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	14	1.35
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	14	1.35
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	14	1.35
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	14	1.35
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	14	1.35
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	16	1.35
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	16	1.35
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	16	1.35
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	16	1.35
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	16	1.35
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	16	1.35
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG11	8	1.35
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG12	8	1.35
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG13	8	1.35
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG11	8	1.35
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG12	8	1.35
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG13	8	1.35
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	13	1.35
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	5	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	5	1.35
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	5	1.35
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	9	1.35
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	18	1.35
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	18	1.35
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	18	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	3	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	3	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	3	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	5	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	5	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	5	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	9	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	9	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	9	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	16	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	16	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	16	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	20	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	20	1.35
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	20	1.35
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	16	1.35
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	16	1.35
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	16	1.35
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	16	1.35
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	16	1.35
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	16	1.35
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	9	1.35
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	9	1.35
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	9	1.35
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	9	1.35
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	9	1.35
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	9	1.35
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	2	1.35
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	2	1.35
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	2	1.35
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	10	1.35
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	10	1.35
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	10	1.35
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	7	1.35
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	8	1.35
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	8	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	8	1.35
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	4	1.35
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	4	1.35
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	4	1.35
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	16	1.35
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	16	1.35
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	16	1.35
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	16	1.35
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	16	1.35
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	16	1.35
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	16	1.35
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	16	1.35
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	16	1.35
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	16	1.35
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	16	1.35
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	16	1.35
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	16	1.35
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	16	1.35
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	16	1.35
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	16	1.35
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	16	1.35
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	16	1.35
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	10	1.35
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	10	1.35
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	10	1.35
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	8	1.34
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	8	1.34
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	8	1.34
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	8	1.34
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	8	1.34
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	8	1.34
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	8	1.34
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	8	1.34
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	8	1.34
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	8	1.34
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	8	1.34
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	8	1.34
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	8	1.34
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	8	1.34
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	8	1.34
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	8	1.34
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	8	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	8	1.34
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	1	1.34
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	1	1.34
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	1	1.34
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	1	1.34
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	1	1.34
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	1	1.34
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	18	1.34
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	18	1.34
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	18	1.34
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	18	1.34
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	18	1.34
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	18	1.34
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	10	1.34
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	10	1.34
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	10	1.34
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	10	1.34
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	10	1.34
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	10	1.34
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	10	1.34
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	10	1.34
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	10	1.34
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	16	1.34
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	12	1.34
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	12	1.34
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	12	1.34
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	12	1.34
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	12	1.34
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	12	1.34
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	12	1.34
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	12	1.34
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	12	1.34
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	7	1.34
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	7	1.34
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	7	1.34
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	3	1.34
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	3	1.34
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	3	1.34
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE1	9	1.34
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE2	9	1.34
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE1	9	1.34
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE2	9	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE1	9	1.34
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE2	9	1.34
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	19	1.34
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	8	1.34
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	8	1.34
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	8	1.34
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	15	1.34
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	10	1.34
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	15	1.34
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	15	1.34
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	15	1.34
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	15	1.34
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD11	11	1.34
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD12	11	1.34
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD13	11	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	2	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	2	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	2	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	10	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	10	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	10	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	12	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	12	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	12	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	14	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	14	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	14	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	17	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	17	1.34
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	17	1.34
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	19	1.34
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	19	1.34
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	19	1.34
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	11	1.34
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	11	1.34
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	11	1.34
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	20	1.34
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	20	1.34
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	20	1.34
(1,1517)	1:B:97:VAL:HG11	1:B:98:LEU:HB2	5	1.34
(1,1517)	1:B:97:VAL:HG12	1:B:98:LEU:HB2	5	1.34
(1,1517)	1:B:97:VAL:HG13	1:B:98:LEU:HB2	5	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	17	1.34
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	17	1.34
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	17	1.34
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	14	1.33
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	14	1.33
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	14	1.33
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	14	1.33
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	14	1.33
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	14	1.33
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	19	1.33
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	19	1.33
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	19	1.33
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	19	1.33
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	19	1.33
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	19	1.33
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	19	1.33
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	19	1.33
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	19	1.33
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	19	1.33
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	19	1.33
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	19	1.33
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	20	1.33
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	20	1.33
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	20	1.33
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	5	1.33
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	5	1.33
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	5	1.33
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	5	1.33
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	5	1.33
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	5	1.33
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	5	1.33
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	5	1.33
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	5	1.33
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	5	1.33
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	5	1.33
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	5	1.33
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	17	1.33
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	17	1.33
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	17	1.33
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	17	1.33
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	17	1.33
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	17	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	17	1.33
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	17	1.33
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	17	1.33
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	17	1.33
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	17	1.33
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	17	1.33
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	7	1.33
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	7	1.33
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	7	1.33
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	7	1.33
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	7	1.33
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	7	1.33
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	14	1.33
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	14	1.33
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	14	1.33
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	14	1.33
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	14	1.33
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	14	1.33
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	14	1.33
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	14	1.33
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	14	1.33
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	3	1.33
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	3	1.33
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	2	1.33
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	16	1.33
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	16	1.33
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	16	1.33
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	1	1.33
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	1	1.33
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	1	1.33
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	13	1.33
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	13	1.33
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	13	1.33
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	17	1.33
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	17	1.33
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	17	1.33
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	10	1.33
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	10	1.33
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	10	1.33
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	6	1.33
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	6	1.33
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	6	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	8	1.33
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	8	1.33
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	8	1.33
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	10	1.33
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	10	1.33
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	10	1.33
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	17	1.33
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	17	1.33
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	17	1.33
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	2	1.33
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	2	1.33
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	2	1.33
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	4	1.33
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	4	1.33
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	4	1.33
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	4	1.33
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	4	1.33
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	4	1.33
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	14	1.33
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	14	1.33
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	14	1.33
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	14	1.33
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	14	1.33
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	14	1.33
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	1	1.33
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	19	1.33
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	19	1.33
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	19	1.33
(3,863)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	16	1.32
(3,863)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	16	1.32
(3,863)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	16	1.32
(3,863)	1:B:36:ILE:HD11	1:B:54:LEU:HG	16	1.32
(3,863)	1:B:36:ILE:HD12	1:B:54:LEU:HG	16	1.32
(3,863)	1:B:36:ILE:HD13	1:B:54:LEU:HG	16	1.32
(3,863)	1:B:105:ILE:HD11	1:B:109:ARG:HB2	16	1.32
(3,863)	1:B:105:ILE:HD12	1:B:109:ARG:HB2	16	1.32
(3,863)	1:B:105:ILE:HD13	1:B:109:ARG:HB2	16	1.32
(3,863)	1:B:101:ILE:HD11	1:B:111:ARG:HG2	16	1.32
(3,863)	1:B:101:ILE:HD12	1:B:111:ARG:HG2	16	1.32
(3,863)	1:B:101:ILE:HD13	1:B:111:ARG:HG2	16	1.32
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	3	1.32
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	3	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	3	1.32
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	3	1.32
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	3	1.32
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	3	1.32
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	3	1.32
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	3	1.32
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	3	1.32
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	3	1.32
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	3	1.32
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	3	1.32
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	3	1.32
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	2	1.32
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	2	1.32
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	2	1.32
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	2	1.32
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	13	1.32
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	13	1.32
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	2	1.32
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	2	1.32
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	2	1.32
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	2	1.32
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	2	1.32
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	2	1.32
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	2	1.32
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	2	1.32
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	2	1.32
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	12	1.32
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	12	1.32
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	12	1.32
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	12	1.32
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	12	1.32
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	12	1.32
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	12	1.32
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	12	1.32
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	12	1.32
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	12	1.32
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	12	1.32
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	12	1.32
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	12	1.32
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	12	1.32
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	12	1.32
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	12	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	12	1.32
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	12	1.32
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	1	1.32
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	1	1.32
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	1	1.32
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	15	1.32
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	15	1.32
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	15	1.32
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	8	1.32
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	8	1.32
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	8	1.32
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	16	1.32
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	19	1.32
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	7	1.32
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	8	1.32
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	8	1.32
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	8	1.32
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	8	1.32
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	8	1.32
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	8	1.32
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	9	1.32
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	19	1.32
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD11	1	1.32
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD12	1	1.32
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD13	1	1.32
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	14	1.32
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	14	1.32
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	14	1.32
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	15	1.32
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	6	1.32
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	6	1.32
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	6	1.32
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	7	1.32
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	7	1.32
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	7	1.32
(1,1947)	1:B:62:SER:HB3	1:B:65:ASP:HB3	7	1.32
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	19	1.32
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	19	1.32
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	19	1.32
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	10	1.32
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	10	1.32
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	10	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	20	1.32
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	20	1.32
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	20	1.32
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	17	1.32
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	17	1.32
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	17	1.32
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	17	1.32
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	17	1.32
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	17	1.32
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	7	1.32
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	7	1.32
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	7	1.32
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	7	1.32
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	7	1.32
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	7	1.32
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	12	1.32
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	12	1.32
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	12	1.32
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	12	1.32
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	12	1.32
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	12	1.32
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	11	1.32
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	11	1.32
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	11	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	11	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	11	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	11	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	11	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	11	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	11	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	11	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	11	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	11	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	11	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	11	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	11	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	11	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	11	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	11	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	11	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	11	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	11	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	13	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	13	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	13	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	13	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	13	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	13	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	13	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	13	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	13	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	13	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	13	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	13	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	13	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	13	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	13	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	13	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	13	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	13	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	18	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	18	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	18	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	18	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	18	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	18	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	18	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	18	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	18	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	18	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	18	1.32
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	18	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	18	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	18	1.32
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	18	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	18	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	18	1.32
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	18	1.32
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	4	1.31
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	4	1.31
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	4	1.31
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	4	1.31
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	4	1.31
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	4	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	16	1.31
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	16	1.31
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	16	1.31
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	16	1.31
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	16	1.31
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	16	1.31
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	2	1.31
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	2	1.31
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	2	1.31
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	2	1.31
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	2	1.31
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	2	1.31
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	2	1.31
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	2	1.31
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	2	1.31
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	2	1.31
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	2	1.31
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	2	1.31
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	10	1.31
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	10	1.31
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	10	1.31
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	10	1.31
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	19	1.31
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	19	1.31
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	19	1.31
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	19	1.31
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	16	1.31
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	16	1.31
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	16	1.31
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	16	1.31
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	16	1.31
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	16	1.31
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	16	1.31
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	16	1.31
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	16	1.31
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	19	1.31
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	19	1.31
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	19	1.31
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	19	1.31
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	19	1.31
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	19	1.31
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	19	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	19	1.31
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	19	1.31
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	19	1.31
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	19	1.31
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	19	1.31
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	7	1.31
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	7	1.31
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	7	1.31
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	10	1.31
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	10	1.31
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	10	1.31
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	10	1.31
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	10	1.31
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	10	1.31
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	20	1.31
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	20	1.31
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	20	1.31
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	16	1.31
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	16	1.31
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	16	1.31
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	16	1.31
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE1	16	1.31
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE2	16	1.31
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE1	16	1.31
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE2	16	1.31
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE1	16	1.31
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE2	16	1.31
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	15	1.31
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	15	1.31
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	15	1.31
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	12	1.31
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	18	1.31
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	18	1.31
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	18	1.31
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	12	1.31
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	12	1.31
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	12	1.31
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	17	1.31
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	1	1.31
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	1	1.31
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	1	1.31
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	15	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	15	1.31
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	15	1.31
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	13	1.31
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	13	1.31
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	13	1.31
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	13	1.31
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	13	1.31
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	13	1.31
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	18	1.31
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	18	1.31
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	18	1.31
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	18	1.31
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	18	1.31
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	18	1.31
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	15	1.31
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	15	1.31
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	15	1.31
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	15	1.31
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	15	1.31
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	15	1.31
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	15	1.31
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	15	1.31
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	15	1.31
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	16	1.31
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	16	1.31
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	16	1.31
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	16	1.31
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	16	1.31
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	16	1.31
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	16	1.31
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	16	1.31
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	16	1.31
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	6	1.31
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	6	1.31
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	6	1.31
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	20	1.31
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	20	1.31
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	20	1.31
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	6	1.3
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	6	1.3
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	6	1.3
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	6	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	6	1.3
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	6	1.3
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	6	1.3
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	6	1.3
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	6	1.3
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	4	1.3
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	4	1.3
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	4	1.3
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	4	1.3
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	2	1.3
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	2	1.3
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	13	1.3
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	13	1.3
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	13	1.3
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	17	1.3
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	17	1.3
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	17	1.3
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	17	1.3
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	17	1.3
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	17	1.3
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	17	1.3
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	17	1.3
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	17	1.3
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	17	1.3
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	17	1.3
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	17	1.3
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	6	1.3
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	6	1.3
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	6	1.3
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	6	1.3
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	6	1.3
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	4	1.3
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	4	1.3
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	4	1.3
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	18	1.3
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	18	1.3
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	14	1.3
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	17	1.3
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	9	1.3
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	9	1.3
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	9	1.3
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG21	20	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG22	20	1.3
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG23	20	1.3
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	4	1.3
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	4	1.3
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	4	1.3
(1,1947)	1:B:62:SER:HB3	1:B:65:ASP:HB3	14	1.3
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	19	1.3
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	19	1.3
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	9	1.3
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	9	1.3
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	9	1.3
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	1	1.3
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	1	1.3
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	1	1.3
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	1	1.3
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	1	1.3
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	1	1.3
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	1	1.3
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	1	1.3
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	1	1.3
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	14	1.3
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	14	1.3
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	14	1.3
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	14	1.3
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	14	1.3
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	14	1.3
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	14	1.3
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	14	1.3
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	14	1.3
(1,1566)	1:B:92:ARG:HG2	1:B:93:ASP:HB3	11	1.3
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD2	9	1.3
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD3	9	1.3
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	17	1.3
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	17	1.3
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	17	1.3
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	16	1.3
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	16	1.3
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	16	1.3
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	15	1.3
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	15	1.3
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	15	1.3
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG11	20	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG12	20	1.29
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG13	20	1.29
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG11	20	1.29
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG12	20	1.29
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG13	20	1.29
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG11	20	1.29
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG12	20	1.29
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG13	20	1.29
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD11	20	1.29
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD12	20	1.29
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD13	20	1.29
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD11	20	1.29
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD12	20	1.29
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD13	20	1.29
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD11	20	1.29
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD12	20	1.29
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD13	20	1.29
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	10	1.29
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	10	1.29
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	10	1.29
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	10	1.29
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	10	1.29
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	10	1.29
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB3	17	1.29
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB2	17	1.29
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB3	17	1.29
(3,658)	1:B:95:ASP:HB2	1:B:132:LYS:HB2	17	1.29
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB2	17	1.29
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	3	1.29
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	3	1.29
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	3	1.29
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	3	1.29
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	3	1.29
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	3	1.29
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	3	1.29
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	3	1.29
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	3	1.29
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	7	1.29
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	7	1.29
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	7	1.29
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	17	1.29
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	17	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	17	1.29
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	8	1.29
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	8	1.29
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	8	1.29
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	8	1.29
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	8	1.29
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	8	1.29
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	8	1.29
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	8	1.29
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	8	1.29
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	8	1.29
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	8	1.29
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	8	1.29
(3,164)	1:B:76:TRP:HE1	1:B:109:ARG:HG2	9	1.29
(3,164)	1:B:76:TRP:HE1	1:B:105:ILE:HG13	9	1.29
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	16	1.29
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	16	1.29
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	16	1.29
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	16	1.29
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	16	1.29
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	16	1.29
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	11	1.29
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	11	1.29
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	11	1.29
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	10	1.29
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	10	1.29
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	10	1.29
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG2	12	1.29
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG3	12	1.29
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	10	1.29
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	9	1.29
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	2	1.29
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	2	1.29
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	2	1.29
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	16	1.29
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	16	1.29
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	16	1.29
(1,1822)	1:B:74:VAL:HG21	1:B:75:LEU:HG	7	1.29
(1,1822)	1:B:74:VAL:HG22	1:B:75:LEU:HG	7	1.29
(1,1822)	1:B:74:VAL:HG23	1:B:75:LEU:HG	7	1.29
(1,1822)	1:B:74:VAL:HG21	1:B:75:LEU:HB2	7	1.29
(1,1822)	1:B:74:VAL:HG22	1:B:75:LEU:HB2	7	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:B:74:VAL:HG23	1:B:75:LEU:HB2	7	1.29
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	2	1.29
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	2	1.29
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	2	1.29
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	7	1.29
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	7	1.29
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	7	1.29
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	4	1.29
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	4	1.29
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	4	1.29
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	7	1.29
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	7	1.29
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	7	1.29
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	1	1.29
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	1	1.29
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	1	1.29
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	19	1.29
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	19	1.29
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	19	1.29
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	19	1.29
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	19	1.29
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	19	1.29
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	16	1.29
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	16	1.29
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	16	1.29
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	18	1.29
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	18	1.29
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	18	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	4	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	4	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	4	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	4	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	4	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	4	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	4	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	4	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	4	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	4	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	4	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	4	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	4	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	4	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	4	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	4	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	4	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	4	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	6	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	6	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	6	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	6	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	6	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	6	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	6	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	6	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	6	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	6	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	6	1.29
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	6	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	6	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	6	1.29
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	6	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	6	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	6	1.29
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	6	1.29
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	11	1.28
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	11	1.28
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	11	1.28
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	11	1.28
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	11	1.28
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	11	1.28
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	17	1.28
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	17	1.28
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	17	1.28
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	17	1.28
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	17	1.28
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	17	1.28
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	15	1.28
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	15	1.28
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	15	1.28
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	15	1.28
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	15	1.28
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	15	1.28
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	18	1.28
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	18	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	18	1.28
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	18	1.28
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	18	1.28
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	18	1.28
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	12	1.28
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	12	1.28
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	12	1.28
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	12	1.28
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	12	1.28
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	12	1.28
(3,1561)	1:B:131:TYR:HB2	1:B:133:LYS:HG2	16	1.28
(3,1561)	1:B:131:TYR:HB2	1:B:133:LYS:HG3	16	1.28
(3,1561)	1:B:131:TYR:HB2	1:B:132:LYS:HG2	16	1.28
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	15	1.28
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	15	1.28
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	15	1.28
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	15	1.28
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	15	1.28
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	15	1.28
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	15	1.28
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	15	1.28
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	15	1.28
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	20	1.28
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	20	1.28
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	20	1.28
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	20	1.28
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	20	1.28
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	20	1.28
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	20	1.28
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	20	1.28
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	20	1.28
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB2	1	1.28
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB2	1	1.28
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB2	1	1.28
(3,1189)	1:B:73:ILE:HG21	1:B:114:ILE:HB	1	1.28
(3,1189)	1:B:73:ILE:HG22	1:B:114:ILE:HB	1	1.28
(3,1189)	1:B:73:ILE:HG23	1:B:114:ILE:HB	1	1.28
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB3	1	1.28
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB3	1	1.28
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB3	1	1.28
(3,1189)	1:B:73:ILE:HG21	1:B:113:ARG:HB3	1	1.28
(3,1189)	1:B:73:ILE:HG22	1:B:113:ARG:HB3	1	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1189)	1:B:73:ILE:HG23	1:B:113:ARG:HB3	1	1.28
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HG3	1	1.28
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HG3	1	1.28
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HG3	1	1.28
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	13	1.28
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	13	1.28
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	13	1.28
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	12	1.28
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	12	1.28
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	12	1.28
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG21	6	1.28
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG22	6	1.28
(1,736)	1:B:120:ALA:H	1:B:71:THR:HG23	6	1.28
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	4	1.28
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	4	1.28
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	4	1.28
(1,2562)	1:B:17:LEU:HD11	1:B:9:TRP:HH2	6	1.28
(1,2562)	1:B:17:LEU:HD12	1:B:9:TRP:HH2	6	1.28
(1,2562)	1:B:17:LEU:HD13	1:B:9:TRP:HH2	6	1.28
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	20	1.28
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	20	1.28
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	20	1.28
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	5	1.28
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	5	1.28
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	5	1.28
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	16	1.28
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	16	1.28
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	16	1.28
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG21	16	1.28
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG22	16	1.28
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG23	16	1.28
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	20	1.28
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	20	1.28
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	20	1.28
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	9	1.28
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	9	1.28
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	9	1.28
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	15	1.28
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	15	1.28
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	15	1.28
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	6	1.28
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	12	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	12	1.28
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	12	1.28
(1,1142)	1:B:75:LEU:HG	1:B:74:VAL:HA	20	1.28
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	11	1.28
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	11	1.28
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	11	1.28
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	11	1.28
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	11	1.28
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	11	1.28
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	13	1.27
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	13	1.27
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	13	1.27
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	13	1.27
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	13	1.27
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	13	1.27
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	13	1.27
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	13	1.27
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	13	1.27
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	13	1.27
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	13	1.27
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	13	1.27
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	20	1.27
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	20	1.27
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	20	1.27
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	20	1.27
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	20	1.27
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	20	1.27
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	20	1.27
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	20	1.27
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	20	1.27
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	20	1.27
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	20	1.27
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	20	1.27
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	12	1.27
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	12	1.27
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	12	1.27
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	12	1.27
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	12	1.27
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	12	1.27
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	12	1.27
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	12	1.27
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	12	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	12	1.27
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	12	1.27
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	12	1.27
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	12	1.27
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	12	1.27
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	12	1.27
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	12	1.27
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	12	1.27
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	12	1.27
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	6	1.27
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	6	1.27
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	6	1.27
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	6	1.27
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	6	1.27
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	6	1.27
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	6	1.27
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	6	1.27
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	6	1.27
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	6	1.27
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	6	1.27
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	6	1.27
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	4	1.27
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	4	1.27
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	4	1.27
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	4	1.27
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	4	1.27
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	4	1.27
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	19	1.27
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	19	1.27
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	19	1.27
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	19	1.27
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	19	1.27
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	19	1.27
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	12	1.27
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	12	1.27
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	12	1.27
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	8	1.27
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	8	1.27
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	8	1.27
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	8	1.27
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	8	1.27
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	12	1.27
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	12	1.27
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	12	1.27
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	12	1.27
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	12	1.27
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	12	1.27
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	12	1.27
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	12	1.27
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	12	1.27
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	4	1.27
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	4	1.27
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	4	1.27
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	10	1.27
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	10	1.27
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	10	1.27
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	10	1.27
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	10	1.27
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	10	1.27
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	10	1.27
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	10	1.27
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	10	1.27
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	9	1.27
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	9	1.27
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	9	1.27
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	9	1.27
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD11	8	1.27
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD12	8	1.27
(1,2590)	1:B:15:ALA:HB1	1:B:59:LEU:HD13	8	1.27
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD11	8	1.27
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD12	8	1.27
(1,2590)	1:B:15:ALA:HB2	1:B:59:LEU:HD13	8	1.27
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD11	8	1.27
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD12	8	1.27
(1,2590)	1:B:15:ALA:HB3	1:B:59:LEU:HD13	8	1.27
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	14	1.27
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	15	1.27
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	15	1.27
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	15	1.27
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	16	1.27
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	16	1.27
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	16	1.27
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	5	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	5	1.27
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	5	1.27
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	8	1.27
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	8	1.27
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	8	1.27
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	12	1.27
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	12	1.27
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	18	1.27
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	18	1.27
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	18	1.27
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	3	1.27
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	3	1.27
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	3	1.27
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	11	1.27
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	11	1.27
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	11	1.27
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	11	1.27
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	11	1.27
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	11	1.27
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	11	1.27
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	11	1.27
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	11	1.27
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	11	1.27
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	11	1.27
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	11	1.27
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	8	1.27
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	8	1.27
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	8	1.27
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	8	1.27
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	8	1.27
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	8	1.27
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	8	1.27
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	8	1.27
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	8	1.27
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	8	1.27
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	8	1.27
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	8	1.27
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	8	1.27
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	8	1.27
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	8	1.27
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	8	1.27
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	8	1.27
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	6	1.27
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	6	1.27
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	6	1.27
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	6	1.27
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	6	1.27
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	6	1.27
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	6	1.27
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	6	1.27
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	6	1.27
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	13	1.27
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	13	1.27
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	13	1.27
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	7	1.26
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	7	1.26
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	7	1.26
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	7	1.26
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	7	1.26
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	7	1.26
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	7	1.26
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	7	1.26
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	7	1.26
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	7	1.26
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	7	1.26
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	7	1.26
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	17	1.26
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	17	1.26
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	17	1.26
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	17	1.26
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	17	1.26
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	17	1.26
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	17	1.26
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	17	1.26
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	17	1.26
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	17	1.26
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	17	1.26
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	17	1.26
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	11	1.26
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	11	1.26
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	11	1.26
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	11	1.26
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	11	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	11	1.26
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	13	1.26
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	13	1.26
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	13	1.26
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	13	1.26
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	13	1.26
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	13	1.26
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	2	1.26
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	2	1.26
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	2	1.26
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	2	1.26
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	2	1.26
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	2	1.26
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	2	1.26
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	2	1.26
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	2	1.26
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	2	1.26
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	2	1.26
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	2	1.26
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	1	1.26
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	1	1.26
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	1	1.26
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	1	1.26
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	11	1.26
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	11	1.26
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	11	1.26
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	11	1.26
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	11	1.26
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	11	1.26
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	11	1.26
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	11	1.26
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	11	1.26
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	11	1.26
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	11	1.26
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	11	1.26
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	11	1.26
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	11	1.26
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	11	1.26
(3,1248)	1:B:89:GLU:HB2	1:B:90:GLU:HG3	9	1.26
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG3	9	1.26
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG2	9	1.26
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	17	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	17	1.26
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	18	1.26
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	18	1.26
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	18	1.26
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	18	1.26
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	18	1.26
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	18	1.26
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	18	1.26
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	18	1.26
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	18	1.26
(2,7)	1:B:68:ARG:H	1:B:64:LYS:HB3	5	1.26
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	11	1.26
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	4	1.26
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	9	1.26
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	19	1.26
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	19	1.26
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	19	1.26
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	1	1.26
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	1	1.26
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	1	1.26
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	18	1.26
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	16	1.26
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	16	1.26
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	16	1.26
(1,1949)	1:B:62:SER:HB3	1:B:64:LYS:HG2	9	1.26
(1,1949)	1:B:62:SER:HB3	1:B:64:LYS:HG3	9	1.26
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	13	1.26
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	13	1.26
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	13	1.26
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	16	1.26
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	16	1.26
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	16	1.26
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	12	1.26
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	12	1.26
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	12	1.26
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	11	1.25
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	11	1.25
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	2	1.25
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	2	1.25
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	2	1.25
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	2	1.25
(3,662)	1:B:116:ASP:HA	1:B:127:ARG:HG2	5	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,662)	1:B:87:LEU:HA	1:B:90:GLU:HB2	5	1.25
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	13	1.25
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	13	1.25
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	13	1.25
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	13	1.25
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	13	1.25
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	13	1.25
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	15	1.25
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	15	1.25
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	15	1.25
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	15	1.25
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	15	1.25
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	15	1.25
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	11	1.25
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	11	1.25
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	11	1.25
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	11	1.25
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	11	1.25
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	11	1.25
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	11	1.25
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	11	1.25
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	11	1.25
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	11	1.25
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	11	1.25
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	11	1.25
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	5	1.25
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	5	1.25
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	5	1.25
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	5	1.25
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	1	1.25
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	1	1.25
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	1	1.25
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	1	1.25
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	1	1.25
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	1	1.25
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	1	1.25
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	1	1.25
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	1	1.25
(3,1228)	1:B:71:THR:HB	1:B:73:ILE:HG13	18	1.25
(3,1228)	1:B:71:THR:HB	1:B:123:LEU:HG	18	1.25
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	1	1.25
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	1	1.25
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	1	1.25
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	1	1.25
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	1	1.25
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	1	1.25
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	1	1.25
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	1	1.25
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	1	1.25
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	1	1.25
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	1	1.25
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	19	1.25
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	19	1.25
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	19	1.25
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	19	1.25
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	19	1.25
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	19	1.25
(3,1171)	1:B:74:VAL:HG11	1:B:76:TRP:HE1	18	1.25
(3,1171)	1:B:74:VAL:HG12	1:B:76:TRP:HE1	18	1.25
(3,1171)	1:B:74:VAL:HG13	1:B:76:TRP:HE1	18	1.25
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD11	18	1.25
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD12	18	1.25
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD13	18	1.25
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD11	18	1.25
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD12	18	1.25
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD13	18	1.25
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD11	18	1.25
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD12	18	1.25
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD13	18	1.25
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	9	1.25
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	9	1.25
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	9	1.25
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	7	1.25
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	7	1.25
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	7	1.25
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	8	1.25
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	8	1.25
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	8	1.25
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	8	1.25
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	8	1.25
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	8	1.25
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	8	1.25
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	8	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	8	1.25
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	4	1.25
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	4	1.25
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	6	1.25
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	12	1.25
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	20	1.25
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	20	1.25
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	20	1.25
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE1	6	1.25
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE2	6	1.25
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE3	6	1.25
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE1	6	1.25
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE2	6	1.25
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE3	6	1.25
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE1	6	1.25
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE2	6	1.25
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE3	6	1.25
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	7	1.25
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	9	1.25
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	9	1.25
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	9	1.25
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	5	1.25
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	5	1.25
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	5	1.25
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	11	1.25
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	16	1.25
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	16	1.25
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	16	1.25
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	15	1.25
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	15	1.25
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	15	1.25
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	5	1.25
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	5	1.25
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	5	1.25
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	5	1.25
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	5	1.25
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	5	1.25
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	5	1.25
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	5	1.25
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	5	1.25
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	5	1.25
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	5	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	5	1.25
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	5	1.25
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	5	1.25
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	5	1.25
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	5	1.25
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	5	1.25
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	5	1.25
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	8	1.24
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	8	1.24
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	8	1.24
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	8	1.24
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	8	1.24
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	8	1.24
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	8	1.24
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	8	1.24
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	8	1.24
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	8	1.24
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	13	1.24
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	13	1.24
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	13	1.24
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	13	1.24
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	13	1.24
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	13	1.24
(3,1821)	1:B:129:GLU:HG3	1:B:128:ARG:HD3	20	1.24
(3,1821)	1:B:129:GLU:HG2	1:B:127:ARG:HD2	20	1.24
(3,1821)	1:B:129:GLU:HG3	1:B:127:ARG:HD2	20	1.24
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	15	1.24
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	15	1.24
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	15	1.24
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	13	1.24
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	13	1.24
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	13	1.24
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	13	1.24
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	13	1.24
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	13	1.24
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	13	1.24
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	13	1.24
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	13	1.24
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	13	1.24
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	13	1.24
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	13	1.24
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	15	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	15	1.24
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	16	1.24
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	16	1.24
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	4	1.24
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	4	1.24
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	4	1.24
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	4	1.24
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	4	1.24
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	4	1.24
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	7	1.24
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	7	1.24
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	1	1.24
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	1	1.24
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	1	1.24
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	7	1.24
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	13	1.24
(1,2557)	1:B:17:LEU:HD21	1:B:53:HIS:HB3	11	1.24
(1,2557)	1:B:17:LEU:HD22	1:B:53:HIS:HB3	11	1.24
(1,2557)	1:B:17:LEU:HD23	1:B:53:HIS:HB3	11	1.24
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	7	1.24
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	7	1.24
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	7	1.24
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	7	1.24
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	7	1.24
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	7	1.24
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	7	1.24
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	7	1.24
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	7	1.24
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	1	1.24
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	1	1.24
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	1	1.24
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	4	1.24
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	4	1.24
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	4	1.24
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	1	1.24
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	1	1.24
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	1	1.24
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	8	1.24
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	16	1.24
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	16	1.24
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	16	1.24
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	16	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	16	1.24
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	16	1.24
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	16	1.24
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	16	1.24
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	16	1.24
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	19	1.24
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	19	1.24
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	19	1.24
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	11	1.24
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	11	1.24
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	11	1.24
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	10	1.24
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	10	1.24
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	10	1.24
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	10	1.24
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	10	1.24
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	10	1.24
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	10	1.24
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	10	1.24
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	10	1.24
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	12	1.23
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	12	1.23
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	12	1.23
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	12	1.23
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	12	1.23
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	12	1.23
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	12	1.23
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	12	1.23
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	12	1.23
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	12	1.23
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	12	1.23
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	12	1.23
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	14	1.23
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	14	1.23
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	14	1.23
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	14	1.23
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	8	1.23
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	8	1.23
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	8	1.23
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	8	1.23
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	8	1.23
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	8	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	15	1.23
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	15	1.23
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	15	1.23
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	15	1.23
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	15	1.23
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	15	1.23
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	15	1.23
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	15	1.23
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	15	1.23
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	17	1.23
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	17	1.23
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	17	1.23
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	17	1.23
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	17	1.23
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	17	1.23
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	17	1.23
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	17	1.23
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	17	1.23
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	15	1.23
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	15	1.23
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	15	1.23
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	15	1.23
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	15	1.23
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	15	1.23
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	8	1.23
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	8	1.23
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	8	1.23
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	8	1.23
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	8	1.23
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	8	1.23
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	14	1.23
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	14	1.23
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	14	1.23
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	14	1.23
(3,1321)	1:B:37:LEU:HD21	1:B:34:GLU:H	1	1.23
(3,1321)	1:B:37:LEU:HD22	1:B:34:GLU:H	1	1.23
(3,1321)	1:B:37:LEU:HD23	1:B:34:GLU:H	1	1.23
(3,1321)	1:B:37:LEU:HD21	1:B:33:VAL:H	1	1.23
(3,1321)	1:B:37:LEU:HD22	1:B:33:VAL:H	1	1.23
(3,1321)	1:B:37:LEU:HD23	1:B:33:VAL:H	1	1.23
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	17	1.23
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	17	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	17	1.23
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	17	1.23
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	17	1.23
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	17	1.23
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	12	1.23
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	12	1.23
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	12	1.23
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	12	1.23
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	12	1.23
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	12	1.23
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	17	1.23
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	17	1.23
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	17	1.23
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	7	1.23
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	7	1.23
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	7	1.23
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	7	1.23
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	7	1.23
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	7	1.23
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	7	1.23
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	7	1.23
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	7	1.23
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	10	1.23
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	10	1.23
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	10	1.23
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	13	1.23
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	13	1.23
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	13	1.23
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	5	1.23
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	9	1.23
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	2	1.23
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	2	1.23
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	2	1.23
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	18	1.23
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	4	1.23
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	4	1.23
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	4	1.23
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	4	1.23
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	4	1.23
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	4	1.23
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	4	1.23
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	4	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	4	1.23
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	13	1.23
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	13	1.23
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	13	1.23
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	17	1.23
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	17	1.23
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	17	1.23
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	2	1.23
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	12	1.23
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	12	1.23
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	12	1.23
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	20	1.22
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	20	1.22
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	20	1.22
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	20	1.22
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	20	1.22
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	20	1.22
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	3	1.22
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	3	1.22
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	3	1.22
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	3	1.22
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	3	1.22
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	3	1.22
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	5	1.22
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	5	1.22
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	5	1.22
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	5	1.22
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	5	1.22
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	5	1.22
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	7	1.22
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	7	1.22
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	7	1.22
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	7	1.22
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	7	1.22
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	7	1.22
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	4	1.22
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	4	1.22
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	4	1.22
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	4	1.22
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	4	1.22
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	4	1.22
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	3	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	3	1.22
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	3	1.22
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	3	1.22
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	3	1.22
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	3	1.22
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	7	1.22
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	7	1.22
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	7	1.22
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	7	1.22
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	7	1.22
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	7	1.22
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	19	1.22
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	19	1.22
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	19	1.22
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	8	1.22
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	8	1.22
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	8	1.22
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	8	1.22
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	8	1.22
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	8	1.22
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	8	1.22
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	8	1.22
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	8	1.22
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	8	1.22
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	8	1.22
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	8	1.22
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	8	1.22
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	8	1.22
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	8	1.22
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	11	1.22
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	11	1.22
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	11	1.22
(1,954)	1:B:131:TYR:HE1	1:B:127:ARG:HG2	8	1.22
(1,954)	1:B:131:TYR:HE2	1:B:127:ARG:HG2	8	1.22
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	6	1.22
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	6	1.22
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	6	1.22
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	20	1.22
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	20	1.22
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	20	1.22
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	4	1.22
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	17	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	19	1.22
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	19	1.22
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	19	1.22
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	19	1.22
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	19	1.22
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	19	1.22
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	20	1.22
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	5	1.22
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	5	1.22
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD11	7	1.22
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD12	7	1.22
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD13	7	1.22
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	5	1.22
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	5	1.22
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	5	1.22
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	5	1.22
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	5	1.22
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	5	1.22
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	18	1.22
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	18	1.22
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	18	1.22
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	19	1.22
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	19	1.22
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	19	1.22
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	20	1.22
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	20	1.22
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	7	1.22
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	7	1.22
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	7	1.22
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	7	1.22
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	7	1.22
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	7	1.22
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	5	1.22
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	5	1.22
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	5	1.22
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	7	1.22
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	7	1.22
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	7	1.22
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	7	1.22
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	7	1.22
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	7	1.22
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	7	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	7	1.22
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	7	1.22
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	7	1.22
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	7	1.22
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	7	1.22
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	7	1.22
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	7	1.22
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	7	1.22
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	7	1.22
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	7	1.22
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	7	1.22
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	20	1.21
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	20	1.21
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	20	1.21
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	20	1.21
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	20	1.21
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	20	1.21
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	17	1.21
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	17	1.21
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	17	1.21
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	17	1.21
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	17	1.21
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	17	1.21
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	10	1.21
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	10	1.21
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	10	1.21
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	10	1.21
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	10	1.21
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	10	1.21
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	9	1.21
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	9	1.21
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	9	1.21
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	9	1.21
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	9	1.21
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	9	1.21
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	10	1.21
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	10	1.21
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	10	1.21
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	10	1.21
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	10	1.21
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	10	1.21
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	18	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	18	1.21
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	18	1.21
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	18	1.21
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	18	1.21
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	18	1.21
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	17	1.21
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	17	1.21
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	17	1.21
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	17	1.21
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	6	1.21
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	6	1.21
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	6	1.21
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	6	1.21
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	17	1.21
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	17	1.21
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	17	1.21
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	17	1.21
(3,1174)	1:B:74:VAL:HG11	1:B:75:LEU:HG	15	1.21
(3,1174)	1:B:74:VAL:HG12	1:B:75:LEU:HG	15	1.21
(3,1174)	1:B:74:VAL:HG13	1:B:75:LEU:HG	15	1.21
(3,1174)	1:B:74:VAL:HG11	1:B:117:LYS:HB3	15	1.21
(3,1174)	1:B:74:VAL:HG12	1:B:117:LYS:HB3	15	1.21
(3,1174)	1:B:74:VAL:HG13	1:B:117:LYS:HB3	15	1.21
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	8	1.21
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	8	1.21
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	8	1.21
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	14	1.21
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	14	1.21
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	14	1.21
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	16	1.21
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	16	1.21
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	16	1.21
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	16	1.21
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	16	1.21
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	16	1.21
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	16	1.21
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	16	1.21
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	16	1.21
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD11	20	1.21
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD12	20	1.21
(1,982)	1:B:130:LEU:HD11	1:B:119:LEU:HD13	20	1.21
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD11	20	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD12	20	1.21
(1,982)	1:B:130:LEU:HD12	1:B:119:LEU:HD13	20	1.21
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD11	20	1.21
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD12	20	1.21
(1,982)	1:B:130:LEU:HD13	1:B:119:LEU:HD13	20	1.21
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	8	1.21
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	8	1.21
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	8	1.21
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	8	1.21
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	8	1.21
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	8	1.21
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	2	1.21
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	2	1.21
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	2	1.21
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	2	1.21
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	2	1.21
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	4	1.21
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	4	1.21
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	4	1.21
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	4	1.21
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	4	1.21
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	4	1.21
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	4	1.21
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	19	1.21
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	19	1.21
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	19	1.21
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD11	18	1.21
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD12	18	1.21
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD13	18	1.21
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	13	1.21
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	13	1.21
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	13	1.21
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	7	1.21
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	2	1.21
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	2	1.21
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	2	1.21
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	18	1.21
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	18	1.21
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	18	1.21
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	3	1.21
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	12	1.21
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	12	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	12	1.21
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	16	1.21
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	16	1.21
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	16	1.21
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	16	1.21
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	16	1.21
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	16	1.21
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	7	1.21
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	7	1.21
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	7	1.21
(1,1271)	1:B:114:ILE:HG12	1:B:76:TRP:HH2	5	1.21
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	17	1.21
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	17	1.21
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	17	1.21
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	17	1.21
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	17	1.21
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	17	1.21
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	4	1.21
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	4	1.21
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	4	1.21
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD11	6	1.21
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD12	6	1.21
(1,1204)	1:B:116:ASP:HB3	1:B:119:LEU:HD13	6	1.21
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	9	1.21
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	9	1.21
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	9	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	9	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	9	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	9	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	9	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	9	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	9	1.21
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	9	1.21
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	9	1.21
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	9	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	9	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	9	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	9	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	9	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	9	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	9	1.21
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	19	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	19	1.21
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	19	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	19	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	19	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	19	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	19	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	19	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	19	1.21
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	19	1.21
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	19	1.21
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	19	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	19	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	19	1.21
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	19	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	19	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	19	1.21
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	19	1.21
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	15	1.21
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	15	1.21
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	15	1.21
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG3	15	1.2
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG2	15	1.2
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG3	15	1.2
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG2	15	1.2
(3,797)	1:B:64:LYS:HG2	1:B:65:ASP:HB3	15	1.2
(3,797)	1:B:64:LYS:HG3	1:B:65:ASP:HB3	15	1.2
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	6	1.2
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	6	1.2
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	6	1.2
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	6	1.2
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	6	1.2
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	6	1.2
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	9	1.2
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	9	1.2
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	9	1.2
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	9	1.2
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	18	1.2
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	18	1.2
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	18	1.2
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	18	1.2
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	8	1.2
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	8	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	8	1.2
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	8	1.2
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	11	1.2
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	11	1.2
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	11	1.2
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	1	1.2
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	15	1.2
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	11	1.2
(1,2390)	1:B:36:ILE:HG13	1:B:35:ALA:H	9	1.2
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	4	1.2
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	4	1.2
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	4	1.2
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	19	1.2
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	19	1.2
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	19	1.2
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	4	1.2
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	4	1.2
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	4	1.2
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	4	1.2
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	4	1.2
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	4	1.2
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	5	1.2
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	5	1.2
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	5	1.2
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	5	1.2
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	5	1.2
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	5	1.2
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	13	1.2
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	13	1.2
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	13	1.2
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	13	1.2
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	13	1.2
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	13	1.2
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	13	1.2
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	13	1.2
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	13	1.2
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	18	1.2
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	18	1.2
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	18	1.2
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	18	1.2
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	18	1.2
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	18	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	18	1.2
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	18	1.2
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	18	1.2
(1,1644)	1:B:89:GLU:HG3	1:B:92:ARG:HD2	6	1.2
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	3	1.2
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	3	1.2
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	3	1.2
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	12	1.2
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	12	1.2
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	12	1.2
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	18	1.2
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	18	1.2
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	18	1.2
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	18	1.2
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	18	1.2
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	18	1.2
(1,1169)	1:B:119:LEU:HD21	1:B:124:VAL:HG11	15	1.2
(1,1169)	1:B:119:LEU:HD21	1:B:124:VAL:HG12	15	1.2
(1,1169)	1:B:119:LEU:HD21	1:B:124:VAL:HG13	15	1.2
(1,1169)	1:B:119:LEU:HD22	1:B:124:VAL:HG11	15	1.2
(1,1169)	1:B:119:LEU:HD22	1:B:124:VAL:HG12	15	1.2
(1,1169)	1:B:119:LEU:HD22	1:B:124:VAL:HG13	15	1.2
(1,1169)	1:B:119:LEU:HD23	1:B:124:VAL:HG11	15	1.2
(1,1169)	1:B:119:LEU:HD23	1:B:124:VAL:HG12	15	1.2
(1,1169)	1:B:119:LEU:HD23	1:B:124:VAL:HG13	15	1.2
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	16	1.2
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	16	1.2
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	16	1.2
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	7	1.2
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	7	1.2
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	7	1.2
(1,1079)	1:B:124:VAL:HG11	1:B:119:LEU:H	20	1.2
(1,1079)	1:B:124:VAL:HG12	1:B:119:LEU:H	20	1.2
(1,1079)	1:B:124:VAL:HG13	1:B:119:LEU:H	20	1.2
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	5	1.19
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	5	1.19
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	9	1.19
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	9	1.19
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	9	1.19
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	9	1.19
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	9	1.19
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	9	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	2	1.19
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	2	1.19
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	2	1.19
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	2	1.19
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	2	1.19
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	2	1.19
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	2	1.19
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	2	1.19
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	2	1.19
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	2	1.19
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	2	1.19
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	2	1.19
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	2	1.19
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	2	1.19
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	2	1.19
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	2	1.19
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	2	1.19
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	2	1.19
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	17	1.19
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	17	1.19
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	17	1.19
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	17	1.19
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	17	1.19
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	17	1.19
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	10	1.19
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	10	1.19
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	10	1.19
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	10	1.19
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	10	1.19
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	10	1.19
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	1	1.19
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	1	1.19
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	1	1.19
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	1	1.19
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	1	1.19
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	1	1.19
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	1	1.19
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	1	1.19
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	1	1.19
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	1	1.19
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	1	1.19
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	1	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	7	1.19
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	7	1.19
(3,1248)	1:B:89:GLU:HB2	1:B:90:GLU:HG3	15	1.19
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG3	15	1.19
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG2	15	1.19
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	2	1.19
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	2	1.19
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	19	1.19
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	19	1.19
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	19	1.19
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	1	1.19
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	1	1.19
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	1	1.19
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	1	1.19
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	1	1.19
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	1	1.19
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	1	1.19
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	1	1.19
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	1	1.19
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	11	1.19
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	11	1.19
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	11	1.19
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	11	1.19
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	11	1.19
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	11	1.19
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	11	1.19
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	11	1.19
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	11	1.19
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	11	1.19
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	11	1.19
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	4	1.19
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	4	1.19
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	4	1.19
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	11	1.19
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	11	1.19
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	11	1.19
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	11	1.19
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	11	1.19
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	11	1.19
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	4	1.19
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	12	1.19
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	18	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	19	1.19
(1,2390)	1:B:36:ILE:HG13	1:B:35:ALA:H	5	1.19
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	7	1.19
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	7	1.19
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	7	1.19
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	16	1.19
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	16	1.19
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	16	1.19
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	16	1.19
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	16	1.19
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	16	1.19
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	16	1.19
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	16	1.19
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	16	1.19
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	18	1.19
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	19	1.19
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	18	1.19
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	18	1.19
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	18	1.19
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	18	1.19
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	18	1.19
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	18	1.19
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	8	1.19
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	8	1.19
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	8	1.19
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	8	1.19
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	8	1.19
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	8	1.19
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	8	1.19
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	8	1.19
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	8	1.19
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	9	1.19
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	9	1.19
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	9	1.19
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	9	1.19
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	9	1.19
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	9	1.19
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	9	1.19
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	9	1.19
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	9	1.19
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	19	1.19
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	19	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	19	1.19
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	3	1.19
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	3	1.19
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	3	1.19
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	3	1.19
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	3	1.19
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	3	1.19
(1,1388)	1:B:106:THR:HG21	1:B:80:GLN:HG2	4	1.19
(1,1388)	1:B:106:THR:HG22	1:B:80:GLN:HG2	4	1.19
(1,1388)	1:B:106:THR:HG23	1:B:80:GLN:HG2	4	1.19
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	13	1.19
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	13	1.19
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	13	1.19
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	20	1.19
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	20	1.19
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	20	1.19
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	10	1.19
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	10	1.19
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	10	1.19
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	17	1.19
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	17	1.19
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	17	1.19
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	17	1.19
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	17	1.19
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	17	1.19
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	12	1.19
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	12	1.19
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	12	1.19
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	19	1.18
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	19	1.18
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	19	1.18
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	19	1.18
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	19	1.18
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	19	1.18
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	14	1.18
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	14	1.18
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	14	1.18
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	14	1.18
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	14	1.18
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	14	1.18
(3,1248)	1:B:89:GLU:HB2	1:B:90:GLU:HG3	14	1.18
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG3	14	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG2	14	1.18
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	16	1.18
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	16	1.18
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	16	1.18
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	16	1.18
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	16	1.18
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	16	1.18
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	16	1.18
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	16	1.18
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	16	1.18
(3,1221)	1:B:72:HIS:HE1	1:B:75:LEU:HD21	7	1.18
(3,1221)	1:B:72:HIS:HE1	1:B:75:LEU:HD22	7	1.18
(3,1221)	1:B:72:HIS:HE1	1:B:75:LEU:HD23	7	1.18
(3,1221)	1:B:72:HIS:HE1	1:B:74:VAL:HG11	7	1.18
(3,1221)	1:B:72:HIS:HE1	1:B:74:VAL:HG12	7	1.18
(3,1221)	1:B:72:HIS:HE1	1:B:74:VAL:HG13	7	1.18
(3,1221)	1:B:72:HIS:HE1	1:B:73:ILE:HG21	7	1.18
(3,1221)	1:B:72:HIS:HE1	1:B:73:ILE:HG22	7	1.18
(3,1221)	1:B:72:HIS:HE1	1:B:73:ILE:HG23	7	1.18
(3,1180)	1:B:74:VAL:HG21	1:B:76:TRP:HZ3	5	1.18
(3,1180)	1:B:74:VAL:HG22	1:B:76:TRP:HZ3	5	1.18
(3,1180)	1:B:74:VAL:HG23	1:B:76:TRP:HZ3	5	1.18
(3,1180)	1:B:74:VAL:HG21	1:B:72:HIS:HD2	5	1.18
(3,1180)	1:B:74:VAL:HG22	1:B:72:HIS:HD2	5	1.18
(3,1180)	1:B:74:VAL:HG23	1:B:72:HIS:HD2	5	1.18
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	8	1.18
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	9	1.18
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	9	1.18
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	9	1.18
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	20	1.18
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG2	8	1.18
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG3	8	1.18
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	17	1.18
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	19	1.18
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	20	1.18
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	11	1.18
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	1	1.18
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	1	1.18
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	13	1.18
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	17	1.18
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	5	1.18
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	5	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	5	1.18
(1,1694)	1:B:20:LEU:HD11	1:B:24:ASN:HD21	6	1.18
(1,1694)	1:B:20:LEU:HD12	1:B:24:ASN:HD21	6	1.18
(1,1694)	1:B:20:LEU:HD13	1:B:24:ASN:HD21	6	1.18
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	6	1.18
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	6	1.18
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	6	1.18
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	6	1.18
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	6	1.18
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	6	1.18
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	6	1.18
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	6	1.18
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	6	1.18
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	10	1.18
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	10	1.18
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	10	1.18
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	19	1.18
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	19	1.18
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	19	1.18
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD3	17	1.18
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD2	17	1.18
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD3	17	1.18
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD2	17	1.18
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	7	1.18
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	7	1.18
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	7	1.18
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	1	1.18
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	8	1.18
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	8	1.18
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	8	1.18
(1,1165)	1:B:119:LEU:HD11	1:B:127:ARG:HD3	19	1.18
(1,1165)	1:B:119:LEU:HD12	1:B:127:ARG:HD3	19	1.18
(1,1165)	1:B:119:LEU:HD13	1:B:127:ARG:HD3	19	1.18
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	14	1.18
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	14	1.18
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	14	1.18
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	14	1.18
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	14	1.18
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	14	1.18
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	14	1.18
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	14	1.18
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	14	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	12	1.17
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	12	1.17
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	12	1.17
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	12	1.17
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	12	1.17
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	12	1.17
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	17	1.17
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	17	1.17
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	17	1.17
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	17	1.17
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	17	1.17
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	17	1.17
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	4	1.17
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	4	1.17
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	4	1.17
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	4	1.17
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	4	1.17
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	4	1.17
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	9	1.17
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	9	1.17
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	9	1.17
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	9	1.17
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	9	1.17
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	9	1.17
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	9	1.17
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	15	1.17
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	15	1.17
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	15	1.17
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	15	1.17
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	2	1.17
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	2	1.17
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	2	1.17
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	2	1.17
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	2	1.17
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	2	1.17
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	9	1.17
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	9	1.17
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	9	1.17
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	9	1.17
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	9	1.17
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	9	1.17
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	14	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	14	1.17
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	14	1.17
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	14	1.17
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	14	1.17
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	14	1.17
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	4	1.17
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	4	1.17
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	4	1.17
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	2	1.17
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	2	1.17
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	2	1.17
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	2	1.17
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	2	1.17
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	2	1.17
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	11	1.17
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	11	1.17
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	14	1.17
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	14	1.17
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	14	1.17
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	14	1.17
(3,1227)	1:B:71:THR:HB	1:B:121:LEU:HB3	2	1.17
(3,1227)	1:B:71:THR:HB	1:B:73:ILE:HG13	2	1.17
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	14	1.17
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	14	1.17
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	14	1.17
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	14	1.17
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	14	1.17
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	14	1.17
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	14	1.17
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	14	1.17
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	14	1.17
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	16	1.17
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	16	1.17
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	16	1.17
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	8	1.17
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	8	1.17
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	8	1.17
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	8	1.17
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	8	1.17
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	8	1.17
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	8	1.17
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	8	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	8	1.17
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	6	1.17
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	6	1.17
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	6	1.17
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	6	1.17
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	6	1.17
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	6	1.17
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	6	1.17
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	6	1.17
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	18	1.17
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	8	1.17
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	8	1.17
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	8	1.17
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	8	1.17
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	8	1.17
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	8	1.17
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	16	1.17
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD11	3	1.17
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD12	3	1.17
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD13	3	1.17
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	13	1.17
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	11	1.17
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	11	1.17
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	11	1.17
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	11	1.17
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	11	1.17
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	11	1.17
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	11	1.17
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	11	1.17
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	11	1.17
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	1	1.17
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	1	1.17
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	8	1.17
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	8	1.17
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	8	1.17
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	6	1.17
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	6	1.17
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	6	1.17
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	5	1.17
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	5	1.17
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	5	1.17
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	5	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	5	1.17
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	5	1.17
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	5	1.17
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	5	1.17
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	5	1.17
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	1	1.17
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	1	1.17
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	1	1.17
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	19	1.16
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	19	1.16
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	19	1.16
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	19	1.16
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	17	1.16
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	17	1.16
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	13	1.16
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	13	1.16
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	13	1.16
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	13	1.16
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	13	1.16
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	13	1.16
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	4	1.16
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	4	1.16
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	4	1.16
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	4	1.16
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	4	1.16
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	4	1.16
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	4	1.16
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	4	1.16
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	4	1.16
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	16	1.16
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	16	1.16
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	16	1.16
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	16	1.16
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	16	1.16
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	16	1.16
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	8	1.16
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	8	1.16
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	8	1.16
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	8	1.16
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	8	1.16
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	8	1.16
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	20	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	20	1.16
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	20	1.16
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	20	1.16
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	20	1.16
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	20	1.16
(3,1180)	1:B:74:VAL:HG21	1:B:76:TRP:HZ3	11	1.16
(3,1180)	1:B:74:VAL:HG22	1:B:76:TRP:HZ3	11	1.16
(3,1180)	1:B:74:VAL:HG23	1:B:76:TRP:HZ3	11	1.16
(3,1180)	1:B:74:VAL:HG21	1:B:72:HIS:HD2	11	1.16
(3,1180)	1:B:74:VAL:HG22	1:B:72:HIS:HD2	11	1.16
(3,1180)	1:B:74:VAL:HG23	1:B:72:HIS:HD2	11	1.16
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	8	1.16
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	8	1.16
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	8	1.16
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	9	1.16
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	9	1.16
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	9	1.16
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	9	1.16
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	9	1.16
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	9	1.16
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	9	1.16
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	9	1.16
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	9	1.16
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	16	1.16
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	8	1.16
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	8	1.16
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	8	1.16
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	6	1.16
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD11	10	1.16
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD12	10	1.16
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD13	10	1.16
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	10	1.16
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	1	1.16
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	1	1.16
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	1	1.16
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	1	1.16
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	1	1.16
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	1	1.16
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	1	1.16
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	1	1.16
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	1	1.16
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	17	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	3	1.16
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	3	1.16
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	3	1.16
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	5	1.16
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	5	1.16
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	5	1.16
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	13	1.16
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	13	1.16
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	13	1.16
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	16	1.16
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	16	1.16
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	16	1.16
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	6	1.16
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	6	1.16
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	6	1.16
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	6	1.16
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	6	1.16
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	6	1.16
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	6	1.16
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	6	1.16
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	6	1.16
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	3	1.16
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	16	1.16
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	15	1.16
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	15	1.16
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	15	1.16
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	9	1.16
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	9	1.16
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	9	1.16
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	18	1.15
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	18	1.15
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	18	1.15
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	18	1.15
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG11	8	1.15
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG12	8	1.15
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG13	8	1.15
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG11	8	1.15
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG12	8	1.15
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG13	8	1.15
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG11	8	1.15
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG12	8	1.15
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG13	8	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD11	8	1.15
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD12	8	1.15
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD13	8	1.15
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD11	8	1.15
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD12	8	1.15
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD13	8	1.15
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD11	8	1.15
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD12	8	1.15
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD13	8	1.15
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	19	1.15
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	19	1.15
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	19	1.15
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	19	1.15
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	19	1.15
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	19	1.15
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	20	1.15
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	20	1.15
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	20	1.15
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	20	1.15
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	20	1.15
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	20	1.15
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	14	1.15
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	14	1.15
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	14	1.15
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	14	1.15
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	14	1.15
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	14	1.15
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	1	1.15
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	1	1.15
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	1	1.15
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	1	1.15
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	1	1.15
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	1	1.15
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	1	1.15
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	1	1.15
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	1	1.15
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	1	1.15
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	1	1.15
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	1	1.15
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	1	1.15
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	1	1.15
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	1	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	1	1.15
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	1	1.15
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	1	1.15
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	12	1.15
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	12	1.15
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	12	1.15
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	12	1.15
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	12	1.15
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	12	1.15
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	12	1.15
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	12	1.15
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	12	1.15
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	12	1.15
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	12	1.15
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	12	1.15
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	12	1.15
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	12	1.15
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	12	1.15
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	2	1.15
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	2	1.15
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	2	1.15
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	2	1.15
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	2	1.15
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	2	1.15
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	3	1.15
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	3	1.15
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	3	1.15
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	3	1.15
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	3	1.15
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	3	1.15
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	6	1.15
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	6	1.15
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	6	1.15
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	6	1.15
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	6	1.15
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	6	1.15
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	12	1.15
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	12	1.15
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	12	1.15
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	12	1.15
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	12	1.15
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	12	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	13	1.15
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	13	1.15
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	13	1.15
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	13	1.15
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	13	1.15
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	13	1.15
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	15	1.15
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	15	1.15
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	15	1.15
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	15	1.15
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	15	1.15
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	15	1.15
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	16	1.15
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	16	1.15
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	16	1.15
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	16	1.15
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	16	1.15
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	16	1.15
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	19	1.15
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	19	1.15
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	19	1.15
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	19	1.15
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	19	1.15
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	19	1.15
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	20	1.15
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	20	1.15
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	20	1.15
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	20	1.15
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	20	1.15
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	20	1.15
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	14	1.15
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	14	1.15
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	14	1.15
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	18	1.15
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	18	1.15
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	18	1.15
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	18	1.15
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	18	1.15
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	18	1.15
(3,1821)	1:B:129:GLU:HG3	1:B:128:ARG:HD3	7	1.15
(3,1821)	1:B:129:GLU:HG2	1:B:127:ARG:HD2	7	1.15
(3,1821)	1:B:129:GLU:HG3	1:B:127:ARG:HD2	7	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	19	1.15
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	19	1.15
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	3	1.15
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	3	1.15
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	3	1.15
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	4	1.15
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	4	1.15
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	17	1.15
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	17	1.15
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	17	1.15
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	17	1.15
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	17	1.15
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	17	1.15
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	20	1.15
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	20	1.15
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	20	1.15
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	20	1.15
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	20	1.15
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	20	1.15
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	20	1.15
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	20	1.15
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	20	1.15
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	20	1.15
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	20	1.15
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	20	1.15
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	20	1.15
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	20	1.15
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	20	1.15
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	3	1.15
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	3	1.15
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	4	1.15
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	4	1.15
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	4	1.15
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	13	1.15
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	13	1.15
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	13	1.15
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	18	1.15
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	18	1.15
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	18	1.15
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	12	1.15
(1,2651)	1:B:9:TRP:HZ2	1:B:49:GLN:HG2	12	1.15
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	7	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG3	9	1.15
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG2	9	1.15
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	11	1.15
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	11	1.15
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	11	1.15
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	14	1.15
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	4	1.15
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	4	1.15
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	4	1.15
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	11	1.15
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	11	1.15
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	11	1.15
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	3	1.15
(1,1861)	1:B:72:HIS:HD2	1:B:117:LYS:HD2	2	1.15
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	16	1.15
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	16	1.15
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	16	1.15
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	16	1.15
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	16	1.15
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	16	1.15
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	16	1.15
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	16	1.15
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	16	1.15
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	16	1.15
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	16	1.15
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	16	1.15
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	15	1.15
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	15	1.15
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	5	1.15
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	5	1.15
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	5	1.15
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	10	1.15
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	10	1.15
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	10	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	10	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	10	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	10	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	10	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	10	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	10	1.15
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	10	1.15
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	10	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	10	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	10	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	10	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	10	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	10	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	10	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	10	1.15
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	17	1.15
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	17	1.15
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	17	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	17	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	17	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	17	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	17	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	17	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	17	1.15
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	17	1.15
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	17	1.15
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	17	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	17	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	17	1.15
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	17	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	17	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	17	1.15
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	17	1.15
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	1	1.15
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	1	1.15
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	1	1.15
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	1	1.15
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	1	1.15
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	1	1.15
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	1	1.15
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	1	1.15
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	1	1.15
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	19	1.15
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	19	1.15
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	19	1.15
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	19	1.15
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	19	1.15
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	19	1.15
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	19	1.15
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	19	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	19	1.15
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	16	1.15
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	16	1.15
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	16	1.15
(1,1095)	1:B:123:LEU:HD21	1:B:88:PHE:HB3	12	1.15
(1,1095)	1:B:123:LEU:HD22	1:B:88:PHE:HB3	12	1.15
(1,1095)	1:B:123:LEU:HD23	1:B:88:PHE:HB3	12	1.15
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	1	1.14
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	1	1.14
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	1	1.14
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	1	1.14
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	1	1.14
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	1	1.14
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	1	1.14
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	1	1.14
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	1	1.14
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	1	1.14
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	1	1.14
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	1	1.14
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG3	10	1.14
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG2	10	1.14
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG3	10	1.14
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG2	10	1.14
(3,797)	1:B:64:LYS:HG2	1:B:65:ASP:HB3	10	1.14
(3,797)	1:B:64:LYS:HG3	1:B:65:ASP:HB3	10	1.14
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	4	1.14
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	4	1.14
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	4	1.14
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	4	1.14
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	4	1.14
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	4	1.14
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	9	1.14
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	9	1.14
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	9	1.14
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	9	1.14
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	9	1.14
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	9	1.14
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	7	1.14
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	7	1.14
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	7	1.14
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	7	1.14
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	7	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	7	1.14
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	17	1.14
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	17	1.14
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	17	1.14
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	17	1.14
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	17	1.14
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	17	1.14
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	12	1.14
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	12	1.14
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	12	1.14
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HG	1	1.14
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HG	1	1.14
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB2	1	1.14
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB2	1	1.14
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB3	1	1.14
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB3	1	1.14
(3,335)	1:B:141:SER:HB2	1:B:130:LEU:HG	1	1.14
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	7	1.14
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	7	1.14
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	7	1.14
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	7	1.14
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	7	1.14
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	7	1.14
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	7	1.14
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	7	1.14
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	7	1.14
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	7	1.14
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	7	1.14
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	7	1.14
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	7	1.14
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	7	1.14
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	9	1.14
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	9	1.14
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	9	1.14
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	9	1.14
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	9	1.14
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	9	1.14
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	9	1.14
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	9	1.14
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	9	1.14
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	20	1.14
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	20	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	20	1.14
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	4	1.14
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	4	1.14
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	4	1.14
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	2	1.14
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	2	1.14
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	2	1.14
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	2	1.14
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	2	1.14
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	2	1.14
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	2	1.14
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	2	1.14
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	2	1.14
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	6	1.14
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	6	1.14
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	6	1.14
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	6	1.14
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	6	1.14
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	6	1.14
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	14	1.14
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	14	1.14
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	4	1.14
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	17	1.14
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	10	1.14
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	14	1.14
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	5	1.14
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	5	1.14
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	19	1.14
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	19	1.14
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	19	1.14
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	15	1.14
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	15	1.14
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	15	1.14
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	4	1.14
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	4	1.14
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	4	1.14
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	7	1.14
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	7	1.14
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	7	1.14
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	20	1.14
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	20	1.14
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	20	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	20	1.14
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	20	1.14
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	20	1.14
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	4	1.14
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	4	1.14
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	4	1.14
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	7	1.14
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	7	1.14
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	7	1.14
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	19	1.14
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	19	1.14
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	19	1.14
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	8	1.14
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	8	1.14
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	8	1.14
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	8	1.14
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	8	1.14
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	8	1.14
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	18	1.14
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	18	1.14
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	18	1.14
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	18	1.14
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	18	1.14
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	18	1.14
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	18	1.14
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	18	1.14
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	18	1.14
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG11	12	1.13
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG12	12	1.13
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG13	12	1.13
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG11	12	1.13
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG12	12	1.13
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG13	12	1.13
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG11	12	1.13
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG12	12	1.13
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG13	12	1.13
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD11	12	1.13
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD12	12	1.13
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD13	12	1.13
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD11	12	1.13
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD12	12	1.13
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD13	12	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD11	12	1.13
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD12	12	1.13
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD13	12	1.13
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	8	1.13
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	8	1.13
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	8	1.13
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	8	1.13
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	8	1.13
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	8	1.13
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	8	1.13
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	8	1.13
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	8	1.13
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	8	1.13
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	8	1.13
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	8	1.13
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	8	1.13
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	8	1.13
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	8	1.13
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	8	1.13
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	8	1.13
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	8	1.13
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	17	1.13
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	17	1.13
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	17	1.13
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	17	1.13
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	7	1.13
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	7	1.13
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	7	1.13
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	7	1.13
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	7	1.13
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	7	1.13
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	7	1.13
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	7	1.13
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	7	1.13
(3,1321)	1:B:37:LEU:HD21	1:B:34:GLU:H	11	1.13
(3,1321)	1:B:37:LEU:HD22	1:B:34:GLU:H	11	1.13
(3,1321)	1:B:37:LEU:HD23	1:B:34:GLU:H	11	1.13
(3,1321)	1:B:37:LEU:HD21	1:B:33:VAL:H	11	1.13
(3,1321)	1:B:37:LEU:HD22	1:B:33:VAL:H	11	1.13
(3,1321)	1:B:37:LEU:HD23	1:B:33:VAL:H	11	1.13
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	19	1.13
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	19	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	19	1.13
(3,1248)	1:B:89:GLU:HB2	1:B:90:GLU:HG3	4	1.13
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG3	4	1.13
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG2	4	1.13
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	8	1.13
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	8	1.13
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	8	1.13
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	4	1.13
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	4	1.13
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	4	1.13
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	4	1.13
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	4	1.13
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	4	1.13
(3,1221)	1:B:72:HIS:HE1	1:B:75:LEU:HD21	2	1.13
(3,1221)	1:B:72:HIS:HE1	1:B:75:LEU:HD22	2	1.13
(3,1221)	1:B:72:HIS:HE1	1:B:75:LEU:HD23	2	1.13
(3,1221)	1:B:72:HIS:HE1	1:B:74:VAL:HG11	2	1.13
(3,1221)	1:B:72:HIS:HE1	1:B:74:VAL:HG12	2	1.13
(3,1221)	1:B:72:HIS:HE1	1:B:74:VAL:HG13	2	1.13
(3,1221)	1:B:72:HIS:HE1	1:B:73:ILE:HG21	2	1.13
(3,1221)	1:B:72:HIS:HE1	1:B:73:ILE:HG22	2	1.13
(3,1221)	1:B:72:HIS:HE1	1:B:73:ILE:HG23	2	1.13
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	10	1.13
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	10	1.13
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	10	1.13
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	10	1.13
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	10	1.13
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	10	1.13
(3,1171)	1:B:74:VAL:HG11	1:B:76:TRP:HE1	4	1.13
(3,1171)	1:B:74:VAL:HG12	1:B:76:TRP:HE1	4	1.13
(3,1171)	1:B:74:VAL:HG13	1:B:76:TRP:HE1	4	1.13
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD11	4	1.13
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD12	4	1.13
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD13	4	1.13
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD11	4	1.13
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD12	4	1.13
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD13	4	1.13
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD11	4	1.13
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD12	4	1.13
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD13	4	1.13
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	3	1.13
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	3	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	3	1.13
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	2	1.13
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	2	1.13
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	2	1.13
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	2	1.13
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	2	1.13
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	2	1.13
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	2	1.13
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	2	1.13
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	2	1.13
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	17	1.13
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	17	1.13
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	17	1.13
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	17	1.13
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	17	1.13
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	17	1.13
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	17	1.13
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	17	1.13
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	17	1.13
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	3	1.13
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	3	1.13
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	3	1.13
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	3	1.13
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	3	1.13
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	3	1.13
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	3	1.13
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	3	1.13
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	3	1.13
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	13	1.13
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	13	1.13
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	3	1.13
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	3	1.13
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	3	1.13
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	16	1.13
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	16	1.13
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	16	1.13
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	5	1.13
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	5	1.13
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	5	1.13
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	5	1.13
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	5	1.13
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	5	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	2	1.13
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	2	1.13
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	2	1.13
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	20	1.13
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	20	1.13
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	20	1.13
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	20	1.13
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	20	1.13
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	20	1.13
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	19	1.13
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	8	1.13
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	15	1.13
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	15	1.13
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	15	1.13
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	15	1.13
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	15	1.13
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	15	1.13
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	15	1.13
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	15	1.13
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	15	1.13
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	18	1.13
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	18	1.13
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	18	1.13
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	13	1.13
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	13	1.13
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	17	1.13
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	17	1.13
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	10	1.13
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	10	1.13
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	10	1.13
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	5	1.12
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	5	1.12
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	5	1.12
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	5	1.12
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	5	1.12
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	5	1.12
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	8	1.12
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	8	1.12
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	8	1.12
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	8	1.12
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	8	1.12
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	8	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	19	1.12
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	19	1.12
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	19	1.12
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	19	1.12
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	19	1.12
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	19	1.12
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	11	1.12
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	11	1.12
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	11	1.12
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	11	1.12
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	11	1.12
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	11	1.12
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	15	1.12
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	15	1.12
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	15	1.12
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	15	1.12
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	15	1.12
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	15	1.12
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	20	1.12
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	20	1.12
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	20	1.12
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	20	1.12
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	20	1.12
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	20	1.12
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	3	1.12
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	3	1.12
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	3	1.12
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	3	1.12
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	1	1.12
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	1	1.12
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	1	1.12
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	1	1.12
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	1	1.12
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	1	1.12
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	4	1.12
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	4	1.12
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	4	1.12
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	4	1.12
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	4	1.12
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	4	1.12
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	12	1.12
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	12	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	12	1.12
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	12	1.12
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	7	1.12
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	7	1.12
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	19	1.12
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	19	1.12
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	19	1.12
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	14	1.12
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	14	1.12
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	14	1.12
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	14	1.12
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	14	1.12
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	14	1.12
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	11	1.12
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	11	1.12
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	11	1.12
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	11	1.12
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	11	1.12
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	11	1.12
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	19	1.12
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	19	1.12
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	19	1.12
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	19	1.12
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	19	1.12
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	19	1.12
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	19	1.12
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	19	1.12
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	19	1.12
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	6	1.12
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	6	1.12
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	6	1.12
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	6	1.12
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	6	1.12
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	6	1.12
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	6	1.12
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	6	1.12
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	6	1.12
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	19	1.12
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	19	1.12
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	12	1.12
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	12	1.12
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	12	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	12	1.12
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	12	1.12
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	12	1.12
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	11	1.12
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	10	1.12
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	10	1.12
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	10	1.12
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	15	1.12
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	15	1.12
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	15	1.12
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	15	1.12
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	15	1.12
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	15	1.12
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	15	1.12
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	2	1.12
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	2	1.12
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	2	1.12
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	20	1.12
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	13	1.12
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	13	1.12
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	13	1.12
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	20	1.12
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG21	15	1.12
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG22	15	1.12
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG23	15	1.12
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	2	1.12
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	4	1.12
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	5	1.12
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	5	1.12
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	5	1.12
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	5	1.12
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	5	1.12
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	5	1.12
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	14	1.12
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	14	1.12
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	14	1.12
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	13	1.12
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	13	1.12
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	13	1.12
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	16	1.12
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	2	1.12
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	2	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	2	1.12
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	11	1.12
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	11	1.12
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	11	1.12
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	20	1.12
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	20	1.12
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	20	1.12
(1,1558)	1:B:92:ARG:HD2	1:B:89:GLU:HB2	11	1.12
(1,1526)	1:B:97:VAL:HG21	1:B:88:PHE:HA	5	1.12
(1,1526)	1:B:97:VAL:HG22	1:B:88:PHE:HA	5	1.12
(1,1526)	1:B:97:VAL:HG23	1:B:88:PHE:HA	5	1.12
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	5	1.12
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	5	1.12
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	5	1.12
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	2	1.12
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	2	1.12
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	2	1.12
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	7	1.12
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	7	1.12
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	7	1.12
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	11	1.11
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	11	1.11
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	11	1.11
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	11	1.11
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	11	1.11
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	11	1.11
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	17	1.11
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	17	1.11
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	17	1.11
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	17	1.11
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	17	1.11
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	17	1.11
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	17	1.11
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	17	1.11
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	17	1.11
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	17	1.11
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	17	1.11
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	17	1.11
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	17	1.11
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	17	1.11
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	17	1.11
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	17	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	17	1.11
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	17	1.11
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	18	1.11
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	18	1.11
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	18	1.11
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	18	1.11
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	18	1.11
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	18	1.11
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	18	1.11
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	18	1.11
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	18	1.11
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	9	1.11
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	9	1.11
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	9	1.11
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	11	1.11
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	11	1.11
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	11	1.11
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	11	1.11
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	11	1.11
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	11	1.11
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	12	1.11
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	12	1.11
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	12	1.11
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	12	1.11
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	12	1.11
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	12	1.11
(3,1821)	1:B:129:GLU:HG3	1:B:128:ARG:HD3	9	1.11
(3,1821)	1:B:129:GLU:HG2	1:B:127:ARG:HD2	9	1.11
(3,1821)	1:B:129:GLU:HG3	1:B:127:ARG:HD2	9	1.11
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	18	1.11
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	18	1.11
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	18	1.11
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	18	1.11
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	18	1.11
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	18	1.11
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	2	1.11
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	2	1.11
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	2	1.11
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	2	1.11
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	2	1.11
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	2	1.11
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	17	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	17	1.11
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	17	1.11
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	17	1.11
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	17	1.11
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	17	1.11
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	20	1.11
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	20	1.11
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	20	1.11
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	20	1.11
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	20	1.11
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	20	1.11
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	20	1.11
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	19	1.11
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	19	1.11
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	19	1.11
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	19	1.11
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	19	1.11
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	19	1.11
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	9	1.11
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	9	1.11
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	9	1.11
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	9	1.11
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	9	1.11
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	9	1.11
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	9	1.11
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	9	1.11
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	9	1.11
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	9	1.11
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	9	1.11
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	9	1.11
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	9	1.11
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	9	1.11
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	9	1.11
(3,1140)	1:B:76:TRP:HB3	1:B:83:GLU:HB3	15	1.11
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB2	15	1.11
(3,1140)	1:B:72:HIS:HB2	1:B:85:GLN:HB2	15	1.11
(3,1140)	1:B:76:TRP:HB3	1:B:87:LEU:HB2	15	1.11
(3,1140)	1:B:76:TRP:HB3	1:B:85:GLN:HB3	15	1.11
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	6	1.11
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	6	1.11
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	6	1.11
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	6	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	6	1.11
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	6	1.11
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	16	1.11
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	16	1.11
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	20	1.11
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	20	1.11
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	20	1.11
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	20	1.11
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	20	1.11
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	20	1.11
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	1	1.11
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	1	1.11
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	17	1.11
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	17	1.11
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	10	1.11
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	7	1.11
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	8	1.11
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	8	1.11
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	15	1.11
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	15	1.11
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	15	1.11
(1,2390)	1:B:36:ILE:HG13	1:B:35:ALA:H	6	1.11
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	12	1.11
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	12	1.11
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	12	1.11
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	11	1.11
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	20	1.11
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	20	1.11
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	20	1.11
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	17	1.11
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	7	1.11
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	20	1.11
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	6	1.11
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	6	1.11
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	6	1.11
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	6	1.11
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	6	1.11
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	6	1.11
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	4	1.11
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	4	1.11
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	4	1.11
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	19	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	19	1.11
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	19	1.11
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	1	1.11
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	1	1.11
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	1	1.11
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	10	1.11
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	10	1.11
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	10	1.11
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	10	1.11
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	10	1.11
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	10	1.11
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	10	1.11
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	10	1.11
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	10	1.11
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	14	1.11
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	14	1.11
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	14	1.11
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	14	1.11
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	14	1.11
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	14	1.11
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	3	1.11
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	3	1.11
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	3	1.11
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	20	1.11
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	20	1.11
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	20	1.11
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	20	1.11
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	20	1.11
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	20	1.11
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	6	1.1
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	6	1.1
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	6	1.1
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	6	1.1
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	6	1.1
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	6	1.1
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	17	1.1
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	17	1.1
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	17	1.1
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	17	1.1
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	17	1.1
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	17	1.1
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	17	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	17	1.1
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	17	1.1
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	17	1.1
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	17	1.1
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	17	1.1
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	17	1.1
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	17	1.1
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	17	1.1
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	17	1.1
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	17	1.1
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	17	1.1
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	2	1.1
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	2	1.1
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	2	1.1
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	2	1.1
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	2	1.1
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	2	1.1
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	2	1.1
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	2	1.1
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	2	1.1
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	11	1.1
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	11	1.1
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	11	1.1
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	11	1.1
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	11	1.1
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	11	1.1
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	14	1.1
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	14	1.1
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	14	1.1
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	14	1.1
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	14	1.1
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	14	1.1
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	9	1.1
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	9	1.1
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	9	1.1
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	9	1.1
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	9	1.1
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	9	1.1
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	20	1.1
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	20	1.1
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	20	1.1
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	20	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	20	1.1
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	20	1.1
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	15	1.1
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	15	1.1
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	15	1.1
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	15	1.1
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	7	1.1
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	7	1.1
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	7	1.1
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	7	1.1
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	7	1.1
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	7	1.1
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	2	1.1
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	2	1.1
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	2	1.1
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	2	1.1
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	12	1.1
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	12	1.1
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	12	1.1
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	12	1.1
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	12	1.1
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	12	1.1
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	18	1.1
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	18	1.1
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	18	1.1
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	18	1.1
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	18	1.1
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	18	1.1
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	10	1.1
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	10	1.1
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	10	1.1
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	10	1.1
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	10	1.1
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	10	1.1
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	10	1.1
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	10	1.1
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	10	1.1
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	13	1.1
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	13	1.1
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	13	1.1
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	13	1.1
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	13	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	13	1.1
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	13	1.1
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	13	1.1
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	13	1.1
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	16	1.1
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	16	1.1
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	16	1.1
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	16	1.1
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	16	1.1
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	16	1.1
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	16	1.1
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	16	1.1
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	16	1.1
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	4	1.1
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	4	1.1
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	4	1.1
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	4	1.1
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	4	1.1
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	4	1.1
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	4	1.1
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	4	1.1
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	4	1.1
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	5	1.1
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	5	1.1
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	5	1.1
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	14	1.1
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	14	1.1
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	14	1.1
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	14	1.1
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	14	1.1
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	14	1.1
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	12	1.1
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	11	1.1
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	4	1.1
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	4	1.1
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	4	1.1
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG21	9	1.1
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG22	9	1.1
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG23	9	1.1
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	20	1.1
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	20	1.1
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	20	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	14	1.1
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	14	1.1
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	14	1.1
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	14	1.1
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	14	1.1
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	14	1.1
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	7	1.1
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	7	1.1
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	7	1.1
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	5	1.1
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	5	1.1
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	5	1.1
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	5	1.1
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	5	1.1
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	5	1.1
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	5	1.1
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	5	1.1
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	5	1.1
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	20	1.1
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	20	1.1
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	20	1.1
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	3	1.1
(1,1577)	1:B:92:ARG:HB3	1:B:97:VAL:HB	8	1.1
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	11	1.1
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	11	1.1
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	11	1.1
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	18	1.1
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	18	1.1
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	18	1.1
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	2	1.1
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	2	1.1
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	2	1.1
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	13	1.1
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	13	1.1
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	13	1.1
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	13	1.1
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	13	1.1
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	13	1.1
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	13	1.1
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	13	1.1
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	13	1.1
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	13	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	13	1.1
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	13	1.1
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	13	1.1
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	13	1.1
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	13	1.1
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	13	1.1
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	13	1.1
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	13	1.1
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	20	1.09
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	20	1.09
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	20	1.09
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	20	1.09
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	6	1.09
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	6	1.09
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	6	1.09
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	6	1.09
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	6	1.09
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	6	1.09
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	15	1.09
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	15	1.09
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	15	1.09
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	15	1.09
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	15	1.09
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	15	1.09
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	13	1.09
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	13	1.09
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	13	1.09
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	13	1.09
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	13	1.09
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	13	1.09
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	13	1.09
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	13	1.09
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	13	1.09
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	13	1.09
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	13	1.09
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	13	1.09
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	13	1.09
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	8	1.09
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	8	1.09
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	8	1.09
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	8	1.09
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	8	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	8	1.09
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	15	1.09
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	15	1.09
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	15	1.09
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	15	1.09
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	15	1.09
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	15	1.09
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	3	1.09
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	3	1.09
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	4	1.09
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	4	1.09
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	4	1.09
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	4	1.09
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	4	1.09
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	4	1.09
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	19	1.09
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	19	1.09
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	19	1.09
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	19	1.09
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	19	1.09
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	19	1.09
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	3	1.09
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	3	1.09
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	3	1.09
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	3	1.09
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	3	1.09
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	3	1.09
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	3	1.09
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	3	1.09
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	3	1.09
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	2	1.09
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	2	1.09
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	2	1.09
(2,24)	1:B:121:LEU:HD11	1:B:114:ILE:HG12	17	1.09
(2,24)	1:B:121:LEU:HD12	1:B:114:ILE:HG12	17	1.09
(2,24)	1:B:121:LEU:HD13	1:B:114:ILE:HG12	17	1.09
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	19	1.09
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	19	1.09
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	19	1.09
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	19	1.09
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	19	1.09
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	19	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	19	1.09
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	19	1.09
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	19	1.09
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	14	1.09
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	14	1.09
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	14	1.09
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	14	1.09
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	14	1.09
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	14	1.09
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	14	1.09
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	14	1.09
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	14	1.09
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	18	1.09
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	18	1.09
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	15	1.09
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	15	1.09
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	15	1.09
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	15	1.09
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	15	1.09
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	15	1.09
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	7	1.09
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	8	1.09
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	15	1.09
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	15	1.09
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	15	1.09
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	18	1.09
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	18	1.09
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	18	1.09
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	10	1.09
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	5	1.09
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	5	1.09
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	5	1.09
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	20	1.09
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	20	1.09
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	20	1.09
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	8	1.09
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	8	1.09
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	8	1.09
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	18	1.09
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	18	1.09
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	18	1.09
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	10	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	10	1.09
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	10	1.09
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD2	13	1.09
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD2	13	1.09
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD2	13	1.09
(1,1932)	1:B:63:VAL:HG21	1:B:68:ARG:HD3	13	1.09
(1,1932)	1:B:63:VAL:HG22	1:B:68:ARG:HD3	13	1.09
(1,1932)	1:B:63:VAL:HG23	1:B:68:ARG:HD3	13	1.09
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	19	1.09
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	19	1.09
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	19	1.09
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	19	1.09
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	19	1.09
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	19	1.09
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	19	1.09
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	19	1.09
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	19	1.09
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	19	1.09
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	19	1.09
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	19	1.09
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	13	1.09
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	13	1.09
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	13	1.09
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	6	1.09
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	6	1.09
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	6	1.09
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	6	1.09
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	6	1.09
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	6	1.09
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	19	1.09
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	19	1.09
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	19	1.09
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	7	1.09
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	7	1.09
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	7	1.09
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	7	1.09
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	7	1.09
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	7	1.09
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	7	1.09
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	7	1.09
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	7	1.09
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	2	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	2	1.08
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	2	1.08
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	2	1.08
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	2	1.08
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	2	1.08
(3,662)	1:B:116:ASP:HA	1:B:127:ARG:HG2	18	1.08
(3,662)	1:B:87:LEU:HA	1:B:90:GLU:HB2	18	1.08
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	6	1.08
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	6	1.08
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	6	1.08
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	6	1.08
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	6	1.08
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	6	1.08
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	5	1.08
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	5	1.08
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	5	1.08
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	5	1.08
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	3	1.08
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	3	1.08
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	3	1.08
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	3	1.08
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	3	1.08
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	3	1.08
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	16	1.08
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	16	1.08
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	16	1.08
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	16	1.08
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	16	1.08
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	16	1.08
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	10	1.08
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	10	1.08
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	3	1.08
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	3	1.08
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	3	1.08
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	3	1.08
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	3	1.08
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	3	1.08
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	15	1.08
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	15	1.08
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	15	1.08
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	9	1.08
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	9	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	9	1.08
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE1	8	1.08
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE2	8	1.08
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE1	8	1.08
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE2	8	1.08
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE1	8	1.08
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE2	8	1.08
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	17	1.08
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	17	1.08
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	17	1.08
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	18	1.08
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	18	1.08
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	18	1.08
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	18	1.08
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	18	1.08
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	18	1.08
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	16	1.08
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	13	1.08
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	16	1.08
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	16	1.08
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	16	1.08
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	3	1.08
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	3	1.08
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	3	1.08
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	9	1.08
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	9	1.08
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	9	1.08
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	20	1.08
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	20	1.08
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	20	1.08
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	8	1.08
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	8	1.08
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	8	1.08
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	8	1.08
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	8	1.08
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	8	1.08
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	17	1.08
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	17	1.08
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	17	1.08
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	2	1.08
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	2	1.08
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	2	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD11	12	1.08
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD12	12	1.08
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD13	12	1.08
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD21	12	1.08
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD22	12	1.08
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD23	12	1.08
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	1	1.08
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	1	1.08
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	1	1.08
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	14	1.08
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	14	1.08
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	14	1.08
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	7	1.08
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	7	1.08
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	7	1.08
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	6	1.08
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	6	1.08
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	6	1.08
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	14	1.08
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	14	1.08
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	14	1.08
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	19	1.08
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	19	1.08
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	19	1.08
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	19	1.08
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	19	1.08
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	19	1.08
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG2	14	1.08
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG2	14	1.08
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG2	14	1.08
(1,1068)	1:B:124:VAL:HG21	1:B:129:GLU:HG3	14	1.08
(1,1068)	1:B:124:VAL:HG22	1:B:129:GLU:HG3	14	1.08
(1,1068)	1:B:124:VAL:HG23	1:B:129:GLU:HG3	14	1.08
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	5	1.07
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	5	1.07
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	5	1.07
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	5	1.07
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	18	1.07
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	18	1.07
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	18	1.07
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	18	1.07
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	18	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	18	1.07
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	18	1.07
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	18	1.07
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	18	1.07
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	18	1.07
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	18	1.07
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	18	1.07
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	18	1.07
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	3	1.07
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	3	1.07
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	3	1.07
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	3	1.07
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	3	1.07
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	3	1.07
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	10	1.07
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	10	1.07
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	10	1.07
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	17	1.07
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	17	1.07
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	17	1.07
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	6	1.07
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	6	1.07
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	6	1.07
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	6	1.07
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	6	1.07
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	6	1.07
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	13	1.07
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	13	1.07
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	13	1.07
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	13	1.07
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	13	1.07
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	13	1.07
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB2	4	1.07
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB2	4	1.07
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB2	4	1.07
(3,1189)	1:B:73:ILE:HG21	1:B:114:ILE:HB	4	1.07
(3,1189)	1:B:73:ILE:HG22	1:B:114:ILE:HB	4	1.07
(3,1189)	1:B:73:ILE:HG23	1:B:114:ILE:HB	4	1.07
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB3	4	1.07
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB3	4	1.07
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB3	4	1.07
(3,1189)	1:B:73:ILE:HG21	1:B:113:ARG:HB3	4	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1189)	1:B:73:ILE:HG22	1:B:113:ARG:HB3	4	1.07
(3,1189)	1:B:73:ILE:HG23	1:B:113:ARG:HB3	4	1.07
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HG3	4	1.07
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HG3	4	1.07
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HG3	4	1.07
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	14	1.07
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	14	1.07
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	14	1.07
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	10	1.07
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	10	1.07
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	10	1.07
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	10	1.07
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	10	1.07
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	10	1.07
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	10	1.07
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	10	1.07
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	10	1.07
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	10	1.07
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	10	1.07
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	15	1.07
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	15	1.07
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	5	1.07
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	5	1.07
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	5	1.07
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	8	1.07
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB2	4	1.07
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB2	4	1.07
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB2	4	1.07
(1,2703)	1:B:118:LEU:HD11	1:B:85:GLN:HB3	4	1.07
(1,2703)	1:B:118:LEU:HD12	1:B:85:GLN:HB3	4	1.07
(1,2703)	1:B:118:LEU:HD13	1:B:85:GLN:HB3	4	1.07
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	17	1.07
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	17	1.07
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	17	1.07
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	17	1.07
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	17	1.07
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	17	1.07
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	3	1.07
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	3	1.07
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	10	1.07
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	10	1.07
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	9	1.07
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	9	1.07
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	9	1.07
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	12	1.07
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	12	1.07
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	12	1.07
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	1	1.07
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	1	1.07
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	1	1.07
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	8	1.07
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	8	1.07
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	8	1.07
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD21	1	1.07
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD22	1	1.07
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD23	1	1.07
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD21	1	1.07
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD22	1	1.07
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD23	1	1.07
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	8	1.07
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	8	1.07
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	8	1.07
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	18	1.07
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	18	1.07
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	18	1.07
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	9	1.07
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	9	1.07
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	9	1.07
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	10	1.07
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	10	1.07
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	10	1.07
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	10	1.07
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	10	1.07
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	10	1.07
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	10	1.07
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	10	1.07
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	10	1.07
(1,1549)	1:B:65:ASP:HB3	1:B:64:LYS:HB2	7	1.07
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	8	1.07
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	8	1.07
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	8	1.07
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	8	1.07
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	8	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	8	1.07
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	8	1.07
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	8	1.07
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	8	1.07
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	4	1.07
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	4	1.07
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	4	1.07
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	20	1.07
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	20	1.07
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	20	1.07
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	9	1.07
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	9	1.07
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	9	1.07
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	9	1.07
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	9	1.07
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	9	1.07
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	9	1.07
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	9	1.07
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	9	1.07
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	18	1.07
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	18	1.07
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	18	1.07
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	4	1.06
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	4	1.06
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	4	1.06
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	4	1.06
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	4	1.06
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	4	1.06
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	4	1.06
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	4	1.06
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	4	1.06
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	4	1.06
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	4	1.06
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	4	1.06
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	14	1.06
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	14	1.06
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	14	1.06
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	14	1.06
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	14	1.06
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	14	1.06
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	9	1.06
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	9	1.06
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	9	1.06
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	14	1.06
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	14	1.06
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	14	1.06
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	14	1.06
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	14	1.06
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	14	1.06
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	14	1.06
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	14	1.06
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	14	1.06
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	19	1.06
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	19	1.06
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	19	1.06
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	19	1.06
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	19	1.06
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	19	1.06
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	19	1.06
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	19	1.06
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	19	1.06
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	20	1.06
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	20	1.06
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	20	1.06
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	20	1.06
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	20	1.06
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	20	1.06
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	20	1.06
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	20	1.06
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	20	1.06
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	11	1.06
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	11	1.06
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	11	1.06
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	11	1.06
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	11	1.06
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	11	1.06
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	11	1.06
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	11	1.06
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	11	1.06
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	11	1.06
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	11	1.06
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	11	1.06
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	11	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	11	1.06
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	6	1.06
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	6	1.06
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	6	1.06
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	6	1.06
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	6	1.06
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	6	1.06
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	6	1.06
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	6	1.06
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	6	1.06
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	6	1.06
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	6	1.06
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	6	1.06
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	15	1.06
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	15	1.06
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	15	1.06
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	15	1.06
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	15	1.06
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	15	1.06
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	15	1.06
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	15	1.06
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	15	1.06
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	19	1.06
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	19	1.06
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	19	1.06
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	19	1.06
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	19	1.06
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	19	1.06
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	19	1.06
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	19	1.06
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	19	1.06
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	5	1.06
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	5	1.06
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	11	1.06
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	11	1.06
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	11	1.06
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	11	1.06
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	11	1.06
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	11	1.06
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	9	1.06
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	20	1.06
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	1	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	1	1.06
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	1	1.06
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	1	1.06
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	1	1.06
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	1	1.06
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	1	1.06
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	12	1.06
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	12	1.06
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	12	1.06
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	12	1.06
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	2	1.06
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	9	1.06
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	14	1.06
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD11	13	1.06
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD12	13	1.06
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD13	13	1.06
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	9	1.06
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	9	1.06
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	9	1.06
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	3	1.06
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	1	1.06
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	1	1.06
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	1	1.06
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	1	1.06
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	1	1.06
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	1	1.06
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	9	1.06
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	9	1.06
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	9	1.06
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	9	1.06
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	9	1.06
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	9	1.06
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	17	1.06
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	17	1.06
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	17	1.06
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	17	1.06
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	17	1.06
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	17	1.06
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	13	1.06
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	13	1.06
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	13	1.06
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG21	6	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG22	6	1.06
(1,1659)	1:B:67:GLN:HB2	1:B:63:VAL:HG23	6	1.06
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	7	1.06
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	7	1.06
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	7	1.06
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	7	1.06
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	7	1.06
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	7	1.06
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	2	1.06
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	2	1.06
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	2	1.06
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	8	1.06
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	8	1.06
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	8	1.06
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	18	1.06
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	18	1.06
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	18	1.06
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	9	1.06
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	9	1.06
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	9	1.06
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	16	1.06
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	16	1.06
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	16	1.06
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	9	1.06
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	9	1.06
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	9	1.06
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	9	1.06
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	9	1.06
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	9	1.06
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	14	1.06
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	14	1.06
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	14	1.06
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	3	1.06
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	3	1.06
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	3	1.06
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	3	1.06
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	3	1.06
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	3	1.06
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	3	1.06
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	3	1.06
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	3	1.06
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	12	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	12	1.06
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	12	1.06
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	12	1.06
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	12	1.06
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	12	1.06
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	12	1.06
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	12	1.06
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	12	1.06
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	20	1.06
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	20	1.06
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	20	1.06
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	20	1.06
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	20	1.06
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	20	1.06
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	20	1.06
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	20	1.06
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	20	1.06
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	4	1.05
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	4	1.05
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB3	1	1.05
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB2	1	1.05
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB3	1	1.05
(3,658)	1:B:95:ASP:HB2	1:B:132:LYS:HB2	1	1.05
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB2	1	1.05
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	18	1.05
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	18	1.05
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	18	1.05
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	18	1.05
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	18	1.05
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	18	1.05
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	10	1.05
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	10	1.05
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	10	1.05
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	10	1.05
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	14	1.05
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	14	1.05
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	14	1.05
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	14	1.05
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	10	1.05
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	10	1.05
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	20	1.05
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	20	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	14	1.05
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	14	1.05
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	14	1.05
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	14	1.05
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	14	1.05
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	14	1.05
(3,1180)	1:B:74:VAL:HG21	1:B:76:TRP:HZ3	14	1.05
(3,1180)	1:B:74:VAL:HG22	1:B:76:TRP:HZ3	14	1.05
(3,1180)	1:B:74:VAL:HG23	1:B:76:TRP:HZ3	14	1.05
(3,1180)	1:B:74:VAL:HG21	1:B:72:HIS:HD2	14	1.05
(3,1180)	1:B:74:VAL:HG22	1:B:72:HIS:HD2	14	1.05
(3,1180)	1:B:74:VAL:HG23	1:B:72:HIS:HD2	14	1.05
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	18	1.05
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	18	1.05
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	18	1.05
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	18	1.05
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	18	1.05
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	18	1.05
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	18	1.05
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	18	1.05
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	18	1.05
(1,908)	1:B:82:LEU:HD21	1:B:85:GLN:HG2	11	1.05
(1,908)	1:B:82:LEU:HD22	1:B:85:GLN:HG2	11	1.05
(1,908)	1:B:82:LEU:HD23	1:B:85:GLN:HG2	11	1.05
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	17	1.05
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	5	1.05
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	5	1.05
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	5	1.05
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	12	1.05
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	12	1.05
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	12	1.05
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD11	17	1.05
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD12	17	1.05
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD13	17	1.05
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD11	19	1.05
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD12	19	1.05
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD13	19	1.05
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	16	1.05
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	16	1.05
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	16	1.05
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	7	1.05
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	7	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	7	1.05
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	7	1.05
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	7	1.05
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	7	1.05
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	7	1.05
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	7	1.05
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	7	1.05
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	1	1.05
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	1	1.05
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	1	1.05
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	9	1.05
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	9	1.05
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	9	1.05
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	15	1.05
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	15	1.05
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	15	1.05
(1,1241)	1:B:115:VAL:HG11	1:B:115:VAL:H	20	1.05
(1,1241)	1:B:115:VAL:HG12	1:B:115:VAL:H	20	1.05
(1,1241)	1:B:115:VAL:HG13	1:B:115:VAL:H	20	1.05
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	10	1.05
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	10	1.05
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	10	1.05
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	16	1.04
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	16	1.04
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	16	1.04
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	16	1.04
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	16	1.04
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	16	1.04
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	1	1.04
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	1	1.04
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	1	1.04
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	1	1.04
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	1	1.04
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	1	1.04
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	6	1.04
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	6	1.04
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	6	1.04
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	9	1.04
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	9	1.04
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	19	1.04
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	19	1.04
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	19	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	16	1.04
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	16	1.04
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	16	1.04
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	16	1.04
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	16	1.04
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	16	1.04
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	16	1.04
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	16	1.04
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	16	1.04
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	16	1.04
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	16	1.04
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	16	1.04
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	16	1.04
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	16	1.04
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	16	1.04
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	16	1.04
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	16	1.04
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	16	1.04
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	11	1.04
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	11	1.04
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	11	1.04
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	11	1.04
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	11	1.04
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	11	1.04
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	11	1.04
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	11	1.04
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	11	1.04
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	12	1.04
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	12	1.04
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	12	1.04
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	12	1.04
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	12	1.04
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	12	1.04
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	12	1.04
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	12	1.04
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	12	1.04
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	4	1.04
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	8	1.04
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	12	1.04
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	12	1.04
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	18	1.04
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	18	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	18	1.04
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	16	1.04
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	16	1.04
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	16	1.04
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	11	1.04
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	11	1.04
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	11	1.04
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	5	1.04
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	5	1.04
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	5	1.04
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	5	1.04
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	5	1.04
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	5	1.04
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	5	1.04
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	5	1.04
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	5	1.04
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	7	1.04
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	7	1.04
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	7	1.04
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	9	1.04
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	9	1.04
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	9	1.04
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	16	1.04
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG21	10	1.04
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG22	10	1.04
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG23	10	1.04
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	2	1.04
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	10	1.04
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	10	1.04
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	10	1.04
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG11	11	1.04
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG12	11	1.04
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG13	11	1.04
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG21	11	1.04
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG22	11	1.04
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG23	11	1.04
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	9	1.04
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	9	1.04
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	9	1.04
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	11	1.04
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	11	1.04
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	11	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	10	1.03
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	10	1.03
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	10	1.03
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	10	1.03
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	14	1.03
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	14	1.03
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	14	1.03
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	14	1.03
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	14	1.03
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	14	1.03
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	4	1.03
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	4	1.03
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	4	1.03
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	4	1.03
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	4	1.03
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	4	1.03
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	4	1.03
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	4	1.03
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	4	1.03
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	4	1.03
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	4	1.03
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	4	1.03
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	4	1.03
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	4	1.03
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	4	1.03
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	4	1.03
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	4	1.03
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	4	1.03
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	14	1.03
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	14	1.03
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	20	1.03
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	20	1.03
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	20	1.03
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	20	1.03
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	20	1.03
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	20	1.03
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	20	1.03
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	20	1.03
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	20	1.03
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	20	1.03
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	20	1.03
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	20	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	20	1.03
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	20	1.03
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	20	1.03
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	11	1.03
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	11	1.03
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	11	1.03
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	4	1.03
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	7	1.03
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	7	1.03
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	1	1.03
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	1	1.03
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	2	1.03
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	6	1.03
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	14	1.03
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	14	1.03
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	14	1.03
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	14	1.03
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	2	1.03
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	2	1.03
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	2	1.03
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	6	1.03
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	12	1.03
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	12	1.03
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	12	1.03
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	14	1.03
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	14	1.03
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	14	1.03
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	7	1.03
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	7	1.03
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	7	1.03
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	7	1.03
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	7	1.03
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	7	1.03
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	7	1.03
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	7	1.03
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	7	1.03
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	7	1.03
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	18	1.03
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	1	1.03
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	4	1.03
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	4	1.03
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	4	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	4	1.03
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	4	1.03
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	4	1.03
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	12	1.03
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	12	1.03
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	12	1.03
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	12	1.03
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	12	1.03
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	12	1.03
(1,1540)	1:B:95:ASP:HA	1:B:132:LYS:HB3	17	1.03
(1,1540)	1:B:95:ASP:HA	1:B:132:LYS:HB2	17	1.03
(1,1425)	1:B:103:LYS:HE2	1:B:103:LYS:H	15	1.03
(1,1425)	1:B:103:LYS:HE3	1:B:103:LYS:H	15	1.03
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	4	1.03
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	4	1.03
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	4	1.03
(1,1241)	1:B:115:VAL:HG11	1:B:115:VAL:H	13	1.03
(1,1241)	1:B:115:VAL:HG12	1:B:115:VAL:H	13	1.03
(1,1241)	1:B:115:VAL:HG13	1:B:115:VAL:H	13	1.03
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	20	1.03
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	20	1.03
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	20	1.03
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	16	1.03
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	16	1.03
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	16	1.03
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	3	1.03
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	3	1.03
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	3	1.03
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	3	1.03
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	3	1.03
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	3	1.03
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	4	1.03
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	4	1.03
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	4	1.03
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	17	1.03
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	17	1.03
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	17	1.03
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	20	1.03
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	20	1.03
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	20	1.03
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	20	1.03
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	20	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	20	1.03
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	20	1.03
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	20	1.03
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	20	1.03
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	20	1.03
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	20	1.03
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	20	1.03
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	20	1.03
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	20	1.03
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	20	1.03
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	20	1.03
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	20	1.03
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	20	1.03
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	8	1.03
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	8	1.03
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	8	1.03
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	8	1.03
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	8	1.03
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	8	1.03
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	8	1.03
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	8	1.03
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	8	1.03
(3,897)	1:B:98:LEU:HD21	1:B:101:ILE:HB	13	1.02
(3,897)	1:B:98:LEU:HD22	1:B:101:ILE:HB	13	1.02
(3,897)	1:B:98:LEU:HD23	1:B:101:ILE:HB	13	1.02
(3,897)	1:B:98:LEU:HD21	1:B:118:LEU:HB2	13	1.02
(3,897)	1:B:98:LEU:HD22	1:B:118:LEU:HB2	13	1.02
(3,897)	1:B:98:LEU:HD23	1:B:118:LEU:HB2	13	1.02
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	19	1.02
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	19	1.02
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	19	1.02
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	19	1.02
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	19	1.02
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	19	1.02
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	19	1.02
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	19	1.02
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	19	1.02
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	19	1.02
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	19	1.02
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	19	1.02
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	8	1.02
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	8	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	8	1.02
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	8	1.02
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	8	1.02
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	8	1.02
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	1	1.02
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	1	1.02
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	1	1.02
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	1	1.02
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	1	1.02
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	1	1.02
(3,1821)	1:B:129:GLU:HG3	1:B:128:ARG:HD3	8	1.02
(3,1821)	1:B:129:GLU:HG2	1:B:127:ARG:HD2	8	1.02
(3,1821)	1:B:129:GLU:HG3	1:B:127:ARG:HD2	8	1.02
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	15	1.02
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	15	1.02
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	15	1.02
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	15	1.02
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	15	1.02
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	15	1.02
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	4	1.02
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	4	1.02
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	20	1.02
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	20	1.02
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	20	1.02
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	20	1.02
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	20	1.02
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	20	1.02
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	13	1.02
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	13	1.02
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	13	1.02
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	13	1.02
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	13	1.02
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	13	1.02
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	10	1.02
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	10	1.02
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	10	1.02
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	10	1.02
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	10	1.02
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	10	1.02
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	10	1.02
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	10	1.02
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	10	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	3	1.02
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	3	1.02
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	3	1.02
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	3	1.02
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	7	1.02
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	7	1.02
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	7	1.02
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	7	1.02
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	7	1.02
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	6	1.02
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	12	1.02
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	18	1.02
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	7	1.02
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	7	1.02
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	7	1.02
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	18	1.02
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	5	1.02
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	5	1.02
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	5	1.02
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	17	1.02
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	17	1.02
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	17	1.02
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD21	1	1.02
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD22	1	1.02
(1,1989)	1:B:59:LEU:HA	1:B:59:LEU:HD23	1	1.02
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	12	1.02
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	12	1.02
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	12	1.02
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	12	1.02
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	12	1.02
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	12	1.02
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	11	1.02
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	11	1.02
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	11	1.02
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	11	1.02
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	11	1.02
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	11	1.02
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	17	1.02
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	4	1.02
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	4	1.02
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	4	1.02
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	4	1.02
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	4	1.02
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	4	1.02
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	4	1.02
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	20	1.02
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	20	1.02
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	20	1.02
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	3	1.02
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	3	1.02
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	3	1.02
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	5	1.02
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	5	1.02
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	5	1.02
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	16	1.02
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	16	1.02
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	16	1.02
(1,1241)	1:B:115:VAL:HG11	1:B:115:VAL:H	8	1.02
(1,1241)	1:B:115:VAL:HG12	1:B:115:VAL:H	8	1.02
(1,1241)	1:B:115:VAL:HG13	1:B:115:VAL:H	8	1.02
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	4	1.02
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	4	1.02
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	4	1.02
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	4	1.02
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	4	1.02
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	4	1.02
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	13	1.02
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	13	1.02
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	13	1.02
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	18	1.02
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	18	1.02
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	18	1.02
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	12	1.02
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	12	1.02
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	12	1.02
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	12	1.02
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	12	1.02
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	12	1.02
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	12	1.02
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	12	1.02
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	12	1.02
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD11	12	1.02
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD12	12	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1164)	1:B:119:LEU:HD11	1:B:130:LEU:HD13	12	1.02
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD11	12	1.02
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD12	12	1.02
(1,1164)	1:B:119:LEU:HD12	1:B:130:LEU:HD13	12	1.02
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD11	12	1.02
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD12	12	1.02
(1,1164)	1:B:119:LEU:HD13	1:B:130:LEU:HD13	12	1.02
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	7	1.02
(1,1139)	1:B:121:LEU:HD11	1:B:88:PHE:HB3	3	1.02
(1,1139)	1:B:121:LEU:HD12	1:B:88:PHE:HB3	3	1.02
(1,1139)	1:B:121:LEU:HD13	1:B:88:PHE:HB3	3	1.02
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	6	1.02
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	6	1.02
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	6	1.02
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	8	1.01
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	8	1.01
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	8	1.01
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	8	1.01
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	8	1.01
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	8	1.01
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	8	1.01
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	8	1.01
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	8	1.01
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	8	1.01
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	8	1.01
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	8	1.01
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	11	1.01
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	11	1.01
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	11	1.01
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	11	1.01
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	11	1.01
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	11	1.01
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	11	1.01
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	11	1.01
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	11	1.01
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	11	1.01
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	11	1.01
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	11	1.01
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	20	1.01
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	20	1.01
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	20	1.01
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	20	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	20	1.01
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	20	1.01
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	20	1.01
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	20	1.01
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	20	1.01
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	20	1.01
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	20	1.01
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	20	1.01
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	17	1.01
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	17	1.01
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	17	1.01
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	17	1.01
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	17	1.01
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	17	1.01
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	11	1.01
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	11	1.01
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	11	1.01
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	11	1.01
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	11	1.01
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	11	1.01
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	17	1.01
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	17	1.01
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	17	1.01
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	17	1.01
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	17	1.01
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	17	1.01
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	8	1.01
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	8	1.01
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	8	1.01
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	8	1.01
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	7	1.01
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	7	1.01
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	7	1.01
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	7	1.01
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	7	1.01
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	7	1.01
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	10	1.01
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	10	1.01
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	10	1.01
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	10	1.01
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	10	1.01
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	10	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	1	1.01
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	1	1.01
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	1	1.01
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	1	1.01
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	1	1.01
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	1	1.01
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	1	1.01
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	1	1.01
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	1	1.01
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	13	1.01
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	13	1.01
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	13	1.01
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	13	1.01
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	13	1.01
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	13	1.01
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	13	1.01
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	13	1.01
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	13	1.01
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	17	1.01
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	17	1.01
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	17	1.01
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	17	1.01
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	17	1.01
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	17	1.01
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	17	1.01
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	17	1.01
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	17	1.01
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	15	1.01
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	15	1.01
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	9	1.01
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	9	1.01
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	9	1.01
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	14	1.01
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	1	1.01
(1,2564)	1:B:17:LEU:HD11	1:B:20:LEU:H	10	1.01
(1,2564)	1:B:17:LEU:HD12	1:B:20:LEU:H	10	1.01
(1,2564)	1:B:17:LEU:HD13	1:B:20:LEU:H	10	1.01
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	8	1.01
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	8	1.01
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	8	1.01
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	6	1.01
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	6	1.01
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	20	1.01
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	20	1.01
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	20	1.01
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	15	1.01
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	15	1.01
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	15	1.01
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	15	1.01
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	15	1.01
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	15	1.01
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	13	1.01
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	13	1.01
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	13	1.01
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	3	1.01
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	3	1.01
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	3	1.01
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	6	1.01
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	6	1.01
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	6	1.01
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	9	1.01
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	9	1.01
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	9	1.01
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	10	1.01
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	10	1.01
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	10	1.01
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	13	1.01
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	13	1.01
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	13	1.01
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	15	1.01
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	15	1.01
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	15	1.01
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	19	1.01
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	19	1.01
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	19	1.01
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	20	1.01
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	20	1.01
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	20	1.01
(1,1241)	1:B:115:VAL:HG11	1:B:115:VAL:H	12	1.01
(1,1241)	1:B:115:VAL:HG12	1:B:115:VAL:H	12	1.01
(1,1241)	1:B:115:VAL:HG13	1:B:115:VAL:H	12	1.01
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	17	1.01
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	17	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	17	1.01
(1,1129)	1:B:121:LEU:HD11	1:B:118:LEU:H	4	1.01
(1,1129)	1:B:121:LEU:HD12	1:B:118:LEU:H	4	1.01
(1,1129)	1:B:121:LEU:HD13	1:B:118:LEU:H	4	1.01
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	5	1.0
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	5	1.0
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	5	1.0
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	5	1.0
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	5	1.0
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	5	1.0
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	5	1.0
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	5	1.0
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	5	1.0
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	18	1.0
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	18	1.0
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	18	1.0
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	18	1.0
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	18	1.0
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	18	1.0
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	3	1.0
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	3	1.0
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	3	1.0
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	3	1.0
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	3	1.0
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	3	1.0
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	3	1.0
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	3	1.0
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	3	1.0
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	3	1.0
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	3	1.0
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	3	1.0
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	3	1.0
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	3	1.0
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	3	1.0
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	3	1.0
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	3	1.0
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	3	1.0
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	19	1.0
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	19	1.0
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	19	1.0
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	19	1.0
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	19	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	19	1.0
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	19	1.0
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	19	1.0
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	19	1.0
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	19	1.0
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	19	1.0
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	19	1.0
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	19	1.0
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	19	1.0
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	19	1.0
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	19	1.0
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	19	1.0
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	19	1.0
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	1	1.0
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	1	1.0
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	1	1.0
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	1	1.0
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	1	1.0
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	1	1.0
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	1	1.0
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	1	1.0
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	1	1.0
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	9	1.0
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	9	1.0
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	9	1.0
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	9	1.0
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	9	1.0
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	9	1.0
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	19	1.0
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	19	1.0
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	19	1.0
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	19	1.0
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	19	1.0
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	19	1.0
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	13	1.0
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	13	1.0
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	13	1.0
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	13	1.0
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	13	1.0
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	13	1.0
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	13	1.0
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	13	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	13	1.0
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	13	1.0
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	13	1.0
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	13	1.0
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	12	1.0
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	12	1.0
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	12	1.0
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	12	1.0
(3,164)	1:B:76:TRP:HE1	1:B:109:ARG:HG2	12	1.0
(3,164)	1:B:76:TRP:HE1	1:B:105:ILE:HG13	12	1.0
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	18	1.0
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	18	1.0
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	12	1.0
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	12	1.0
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	12	1.0
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	12	1.0
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	12	1.0
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	12	1.0
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	1	1.0
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	1	1.0
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	1	1.0
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	4	1.0
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	4	1.0
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	4	1.0
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	4	1.0
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	4	1.0
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	4	1.0
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	4	1.0
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	4	1.0
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	4	1.0
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	7	1.0
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	7	1.0
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	7	1.0
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	7	1.0
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	7	1.0
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	7	1.0
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	7	1.0
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	7	1.0
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	7	1.0
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	8	1.0
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	8	1.0
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	8	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	3	1.0
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	14	1.0
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	19	1.0
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	9	1.0
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	9	1.0
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	9	1.0
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	9	1.0
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	9	1.0
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	9	1.0
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	6	1.0
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	6	1.0
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	6	1.0
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	4	1.0
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	4	1.0
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	4	1.0
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	15	1.0
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	6	1.0
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	20	1.0
(1,1764)	1:B:82:LEU:HD21	1:B:88:PHE:H	5	1.0
(1,1764)	1:B:82:LEU:HD22	1:B:88:PHE:H	5	1.0
(1,1764)	1:B:82:LEU:HD23	1:B:88:PHE:H	5	1.0
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB1	8	1.0
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB2	8	1.0
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB3	8	1.0
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	17	1.0
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	17	1.0
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	17	1.0
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	17	1.0
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	17	1.0
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	17	1.0
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	5	1.0
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	5	1.0
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	5	1.0
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	2	1.0
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	2	1.0
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	2	1.0
(1,1271)	1:B:114:ILE:HG12	1:B:76:TRP:HH2	6	1.0
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	13	1.0
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	13	1.0
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	13	1.0
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	13	1.0
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	13	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	13	1.0
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	2	1.0
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	2	1.0
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	2	1.0
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	6	1.0
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	6	1.0
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	6	1.0
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	17	1.0
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	17	1.0
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	17	1.0
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	1	1.0
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	1	1.0
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	1	1.0
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	1	1.0
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	1	1.0
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	1	1.0
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	8	1.0
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	8	1.0
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	8	1.0
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	12	1.0
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	12	1.0
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	12	1.0
(3,927)	1:B:97:VAL:HG11	1:B:98:LEU:HG	13	0.99
(3,927)	1:B:97:VAL:HG12	1:B:98:LEU:HG	13	0.99
(3,927)	1:B:97:VAL:HG13	1:B:98:LEU:HG	13	0.99
(3,927)	1:B:97:VAL:HG11	1:B:111:ARG:HG2	13	0.99
(3,927)	1:B:97:VAL:HG12	1:B:111:ARG:HG2	13	0.99
(3,927)	1:B:97:VAL:HG13	1:B:111:ARG:HG2	13	0.99
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	12	0.99
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	12	0.99
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	12	0.99
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	12	0.99
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	12	0.99
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	12	0.99
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	12	0.99
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	12	0.99
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	12	0.99
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	12	0.99
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	12	0.99
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	12	0.99
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	7	0.99
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	7	0.99
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	7	0.99
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	7	0.99
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	7	0.99
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	7	0.99
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	7	0.99
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	7	0.99
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	8	0.99
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	8	0.99
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	8	0.99
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	8	0.99
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	8	0.99
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	8	0.99
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	8	0.99
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	8	0.99
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	8	0.99
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	18	0.99
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	18	0.99
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	18	0.99
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	18	0.99
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	18	0.99
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	18	0.99
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	3	0.99
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	3	0.99
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	9	0.99
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	9	0.99
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	9	0.99
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	9	0.99
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	9	0.99
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	9	0.99
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	20	0.99
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	20	0.99
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	20	0.99
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	20	0.99
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	20	0.99
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	20	0.99
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	20	0.99
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	20	0.99
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	20	0.99
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	20	0.99
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	20	0.99
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	20	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	20	0.99
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	20	0.99
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	20	0.99
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	5	0.99
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	5	0.99
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	5	0.99
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD21	16	0.99
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD22	16	0.99
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD23	16	0.99
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	3	0.99
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	3	0.99
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	3	0.99
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	1	0.99
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	1	0.99
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	5	0.99
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	8	0.99
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	20	0.99
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	11	0.99
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	18	0.99
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	14	0.99
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	14	0.99
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	4	0.99
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	4	0.99
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	4	0.99
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	16	0.99
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD11	5	0.99
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD12	5	0.99
(1,232)	1:B:38:ALA:H	1:B:37:LEU:HD13	5	0.99
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	1	0.99
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	1	0.99
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	1	0.99
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	17	0.99
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	17	0.99
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	17	0.99
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	17	0.99
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	17	0.99
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	17	0.99
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	17	0.99
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	17	0.99
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	17	0.99
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	20	0.99
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	20	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	20	0.99
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	20	0.99
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	20	0.99
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	20	0.99
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	20	0.99
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	20	0.99
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	20	0.99
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	3	0.99
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	3	0.99
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	3	0.99
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	3	0.99
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	3	0.99
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	3	0.99
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	3	0.99
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	3	0.99
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	3	0.99
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	18	0.99
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	18	0.99
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	18	0.99
(1,1633)	1:B:90:GLU:HG3	1:B:86:ARG:HA	5	0.99
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	4	0.99
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	4	0.99
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	4	0.99
(1,1499)	1:B:98:LEU:HB3	1:B:111:ARG:HD3	19	0.99
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD21	7	0.99
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD22	7	0.99
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD23	7	0.99
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD21	7	0.99
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD22	7	0.99
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD23	7	0.99
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD21	7	0.99
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD22	7	0.99
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD23	7	0.99
(1,1251)	1:B:27:VAL:HG11	1:B:27:VAL:H	12	0.99
(1,1251)	1:B:27:VAL:HG12	1:B:27:VAL:H	12	0.99
(1,1251)	1:B:27:VAL:HG13	1:B:27:VAL:H	12	0.99
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	1	0.99
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	1	0.99
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	1	0.99
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	1	0.99
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	1	0.99
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	1	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	5	0.99
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	5	0.99
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	5	0.99
(1,1130)	1:B:84:LEU:HD21	1:B:88:PHE:H	11	0.99
(1,1130)	1:B:84:LEU:HD22	1:B:88:PHE:H	11	0.99
(1,1130)	1:B:84:LEU:HD23	1:B:88:PHE:H	11	0.99
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	10	0.99
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	10	0.99
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD11	6	0.98
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD12	6	0.98
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD13	6	0.98
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD11	6	0.98
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD12	6	0.98
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD13	6	0.98
(3,673)	1:B:115:VAL:HB	1:B:130:LEU:HB2	6	0.98
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB1	6	0.98
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB2	6	0.98
(3,673)	1:B:7:PRO:HB3	1:B:6:ALA:HB3	6	0.98
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	1	0.98
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	1	0.98
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	1	0.98
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	1	0.98
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	1	0.98
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	1	0.98
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	14	0.98
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	14	0.98
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	14	0.98
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	14	0.98
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	14	0.98
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	14	0.98
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	14	0.98
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	14	0.98
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	14	0.98
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	11	0.98
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	11	0.98
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	11	0.98
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	11	0.98
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	11	0.98
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	11	0.98
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	12	0.98
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	12	0.98
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	12	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	12	0.98
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	12	0.98
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	12	0.98
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	1	0.98
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	1	0.98
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	1	0.98
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	1	0.98
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	1	0.98
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	1	0.98
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	1	0.98
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	1	0.98
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	1	0.98
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	1	0.98
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	1	0.98
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	1	0.98
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	1	0.98
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	1	0.98
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	1	0.98
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	1	0.98
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	1	0.98
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	1	0.98
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	12	0.98
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	12	0.98
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	12	0.98
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	12	0.98
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	12	0.98
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	12	0.98
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	12	0.98
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	12	0.98
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	12	0.98
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	16	0.98
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	16	0.98
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	16	0.98
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	16	0.98
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	18	0.98
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	19	0.98
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	5	0.98
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	5	0.98
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	5	0.98
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	1	0.98
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	1	0.98
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	1	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	8	0.98
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	19	0.98
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	8	0.98
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	8	0.98
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	8	0.98
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	8	0.98
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	8	0.98
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	8	0.98
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	8	0.98
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	8	0.98
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	8	0.98
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	4	0.98
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	10	0.98
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	3	0.98
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	3	0.98
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	3	0.98
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	4	0.98
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	4	0.98
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	4	0.98
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	4	0.98
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	4	0.98
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	4	0.98
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	4	0.98
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	4	0.98
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	4	0.98
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	19	0.98
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	19	0.98
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	19	0.98
(1,1271)	1:B:114:ILE:HG12	1:B:76:TRP:HH2	9	0.98
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	5	0.98
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	5	0.98
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	5	0.98
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	5	0.98
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	5	0.98
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	5	0.98
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	9	0.98
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	9	0.98
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	9	0.98
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	9	0.98
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	9	0.98
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	9	0.98
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	4	0.98
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	4	0.98
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	9	0.98
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	9	0.98
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	9	0.98
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD3	3	0.98
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD2	3	0.98
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	15	0.97
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	15	0.97
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	15	0.97
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	15	0.97
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	15	0.97
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	15	0.97
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	15	0.97
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	15	0.97
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	15	0.97
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	15	0.97
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	15	0.97
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	15	0.97
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	20	0.97
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	20	0.97
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	20	0.97
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	20	0.97
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	20	0.97
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	20	0.97
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	20	0.97
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	20	0.97
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	20	0.97
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	20	0.97
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	20	0.97
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	20	0.97
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	20	0.97
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	20	0.97
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	20	0.97
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	20	0.97
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	20	0.97
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	20	0.97
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	20	0.97
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	20	0.97
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	20	0.97
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	20	0.97
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	20	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	20	0.97
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	20	0.97
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	20	0.97
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	20	0.97
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	6	0.97
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	6	0.97
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	6	0.97
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	6	0.97
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	6	0.97
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	6	0.97
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	6	0.97
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	6	0.97
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	6	0.97
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	20	0.97
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	20	0.97
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	20	0.97
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	12	0.97
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	12	0.97
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	12	0.97
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	12	0.97
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	12	0.97
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	12	0.97
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	9	0.97
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	9	0.97
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	4	0.97
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	4	0.97
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	18	0.97
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	18	0.97
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	18	0.97
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	18	0.97
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	3	0.97
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	3	0.97
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	3	0.97
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	14	0.97
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	14	0.97
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	14	0.97
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	15	0.97
(1,2460)	1:B:29:GLY:HA3	1:B:30:GLN:HG3	20	0.97
(1,2410)	1:B:34:GLU:HG3	1:B:34:GLU:H	14	0.97
(1,2055)	1:B:56:GLN:HG3	1:B:56:GLN:H	19	0.97
(1,2025)	1:B:57:MET:HE1	1:B:59:LEU:HB2	2	0.97
(1,2025)	1:B:57:MET:HE2	1:B:59:LEU:HB2	2	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2025)	1:B:57:MET:HE3	1:B:59:LEU:HB2	2	0.97
(1,1822)	1:B:74:VAL:HG21	1:B:75:LEU:HG	2	0.97
(1,1822)	1:B:74:VAL:HG22	1:B:75:LEU:HG	2	0.97
(1,1822)	1:B:74:VAL:HG23	1:B:75:LEU:HG	2	0.97
(1,1822)	1:B:74:VAL:HG21	1:B:75:LEU:HB2	2	0.97
(1,1822)	1:B:74:VAL:HG22	1:B:75:LEU:HB2	2	0.97
(1,1822)	1:B:74:VAL:HG23	1:B:75:LEU:HB2	2	0.97
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	12	0.97
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	12	0.97
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	12	0.97
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	12	0.97
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	12	0.97
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	12	0.97
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	20	0.97
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	20	0.97
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	20	0.97
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	20	0.97
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	20	0.97
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	20	0.97
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	20	0.97
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	20	0.97
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	20	0.97
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	7	0.97
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	7	0.97
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	7	0.97
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	7	0.97
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	7	0.97
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	7	0.97
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	7	0.97
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	7	0.97
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	7	0.97
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	16	0.97
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	16	0.97
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	11	0.97
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	11	0.97
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	11	0.97
(1,1165)	1:B:119:LEU:HD11	1:B:127:ARG:HD3	8	0.97
(1,1165)	1:B:119:LEU:HD12	1:B:127:ARG:HD3	8	0.97
(1,1165)	1:B:119:LEU:HD13	1:B:127:ARG:HD3	8	0.97
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	20	0.96
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	20	0.96
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	20	0.96
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	20	0.96
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	20	0.96
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	20	0.96
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	20	0.96
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	20	0.96
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	20	0.96
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	20	0.96
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	20	0.96
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	20	0.96
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	20	0.96
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	20	0.96
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	20	0.96
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	20	0.96
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	20	0.96
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	19	0.96
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	19	0.96
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	19	0.96
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	19	0.96
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	19	0.96
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	19	0.96
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	7	0.96
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	7	0.96
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	7	0.96
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	7	0.96
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	7	0.96
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	7	0.96
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	17	0.96
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	17	0.96
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	17	0.96
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	17	0.96
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	17	0.96
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	17	0.96
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	17	0.96
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	17	0.96
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	17	0.96
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HG	6	0.96
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HG	6	0.96
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB2	6	0.96
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB2	6	0.96
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB3	6	0.96
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB3	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,335)	1:B:141:SER:HB2	1:B:130:LEU:HG	6	0.96
(3,1821)	1:B:129:GLU:HG3	1:B:128:ARG:HD3	6	0.96
(3,1821)	1:B:129:GLU:HG2	1:B:127:ARG:HD2	6	0.96
(3,1821)	1:B:129:GLU:HG3	1:B:127:ARG:HD2	6	0.96
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	4	0.96
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	4	0.96
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	4	0.96
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	4	0.96
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	4	0.96
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	4	0.96
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	19	0.96
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	19	0.96
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	19	0.96
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	19	0.96
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	19	0.96
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	19	0.96
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	10	0.96
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	10	0.96
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	3	0.96
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	3	0.96
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	3	0.96
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	3	0.96
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	3	0.96
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	3	0.96
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	3	0.96
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	3	0.96
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	3	0.96
(1,980)	1:B:33:VAL:HG11	1:B:51:ILE:HG13	8	0.96
(1,980)	1:B:33:VAL:HG12	1:B:51:ILE:HG13	8	0.96
(1,980)	1:B:33:VAL:HG13	1:B:51:ILE:HG13	8	0.96
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG3	20	0.96
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG3	20	0.96
(1,951)	1:B:131:TYR:HE1	1:B:129:GLU:HG2	20	0.96
(1,951)	1:B:131:TYR:HE2	1:B:129:GLU:HG2	20	0.96
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	8	0.96
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	8	0.96
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	8	0.96
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	9	0.96
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	9	0.96
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	9	0.96
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE1	5	0.96
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE2	5	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE1	5	0.96
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE2	5	0.96
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE1	5	0.96
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE2	5	0.96
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	13	0.96
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	2	0.96
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	2	0.96
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	2	0.96
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	7	0.96
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	7	0.96
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	7	0.96
(1,2710)	1:B:87:LEU:HD11	1:B:104:ASN:HB2	5	0.96
(1,2710)	1:B:87:LEU:HD12	1:B:104:ASN:HB2	5	0.96
(1,2710)	1:B:87:LEU:HD13	1:B:104:ASN:HB2	5	0.96
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	6	0.96
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	5	0.96
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	12	0.96
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG21	14	0.96
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG22	14	0.96
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG23	14	0.96
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	7	0.96
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	7	0.96
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	7	0.96
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	7	0.96
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	7	0.96
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	7	0.96
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	19	0.96
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	19	0.96
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	19	0.96
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	19	0.96
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	19	0.96
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	19	0.96
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	13	0.96
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	13	0.96
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	13	0.96
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	13	0.96
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	13	0.96
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	13	0.96
(1,1633)	1:B:90:GLU:HG3	1:B:86:ARG:HA	18	0.96
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	6	0.96
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	6	0.96
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:B:106:THR:HG21	1:B:80:GLN:HG2	19	0.96
(1,1388)	1:B:106:THR:HG22	1:B:80:GLN:HG2	19	0.96
(1,1388)	1:B:106:THR:HG23	1:B:80:GLN:HG2	19	0.96
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	8	0.96
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	8	0.96
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	8	0.96
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	2	0.96
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	2	0.96
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	2	0.96
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	10	0.96
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	10	0.96
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	10	0.96
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	1	0.96
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	1	0.96
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	1	0.96
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	7	0.96
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	7	0.96
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	7	0.96
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HB2	5	0.96
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HB2	5	0.96
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HB2	5	0.96
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HG3	5	0.96
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HG3	5	0.96
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HG3	5	0.96
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HB3	5	0.96
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HB3	5	0.96
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HB3	5	0.96
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	3	0.96
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	3	0.96
(3,97)	1:B:108:LYS:H	1:B:108:LYS:HG2	16	0.95
(3,97)	1:B:50:ILE:H	1:B:45:ARG:HG2	16	0.95
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	18	0.95
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	18	0.95
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	18	0.95
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	18	0.95
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	18	0.95
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	18	0.95
(3,602)	1:B:121:LEU:HD11	1:B:85:GLN:HG2	8	0.95
(3,602)	1:B:121:LEU:HD12	1:B:85:GLN:HG2	8	0.95
(3,602)	1:B:121:LEU:HD13	1:B:85:GLN:HG2	8	0.95
(3,602)	1:B:121:LEU:HD11	1:B:89:GLU:HG3	8	0.95
(3,602)	1:B:121:LEU:HD12	1:B:89:GLU:HG3	8	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,602)	1:B:121:LEU:HD13	1:B:89:GLU:HG3	8	0.95
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	10	0.95
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	10	0.95
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	10	0.95
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	10	0.95
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	10	0.95
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	10	0.95
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD11	6	0.95
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD12	6	0.95
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD13	6	0.95
(3,261)	1:B:117:LYS:H	1:B:123:LEU:HB2	6	0.95
(3,1569)	1:B:40:LEU:HB2	1:B:37:LEU:HA	11	0.95
(3,1569)	1:B:40:LEU:HB2	1:B:17:LEU:HA	11	0.95
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	5	0.95
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	5	0.95
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	14	0.95
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	14	0.95
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	14	0.95
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	11	0.95
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	11	0.95
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	11	0.95
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	11	0.95
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	8	0.95
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	8	0.95
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	8	0.95
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	8	0.95
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	8	0.95
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	8	0.95
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	20	0.95
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	20	0.95
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	20	0.95
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	20	0.95
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	20	0.95
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	20	0.95
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	20	0.95
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	20	0.95
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	16	0.95
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	8	0.95
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	1	0.95
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	1	0.95
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	1	0.95
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	5	0.95
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	5	0.95
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	20	0.95
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	20	0.95
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	20	0.95
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	20	0.95
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	20	0.95
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	20	0.95
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	20	0.95
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	20	0.95
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	20	0.95
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	15	0.95
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	11	0.95
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	11	0.95
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	11	0.95
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	15	0.95
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	15	0.95
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	15	0.95
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	20	0.95
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	20	0.95
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	20	0.95
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	7	0.95
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	7	0.95
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	7	0.95
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	7	0.95
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	7	0.95
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	7	0.95
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	16	0.95
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	16	0.95
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	16	0.95
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	16	0.95
(1,2229)	1:B:45:ARG:HD2	1:B:43:VAL:HB	1	0.95
(1,2197)	1:B:49:GLN:HG2	1:B:45:ARG:HG3	16	0.95
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	12	0.95
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	12	0.95
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	12	0.95
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	10	0.95
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	10	0.95
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	10	0.95
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	18	0.95
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	18	0.95
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	18	0.95
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	18	0.95
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	18	0.95
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	19	0.95
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	19	0.95
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	19	0.95
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	19	0.95
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	19	0.95
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	19	0.95
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	19	0.95
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	19	0.95
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	19	0.95
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	9	0.95
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	9	0.95
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	5	0.95
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	5	0.95
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	5	0.95
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	12	0.95
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	12	0.95
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	12	0.95
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	12	0.95
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	12	0.95
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	12	0.95
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	6	0.95
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	6	0.95
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	6	0.95
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	5	0.95
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	5	0.95
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	5	0.95
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	5	0.95
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	5	0.95
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	5	0.95
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	5	0.95
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	5	0.95
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	5	0.95
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	15	0.94
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	15	0.94
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	3	0.94
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	3	0.94
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	3	0.94
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	3	0.94
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	3	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	3	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	3	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	3	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	3	0.94
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	3	0.94
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	3	0.94
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	3	0.94
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	5	0.94
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	5	0.94
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	5	0.94
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	5	0.94
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	5	0.94
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	5	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	5	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	5	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	5	0.94
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	5	0.94
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	5	0.94
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	5	0.94
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	17	0.94
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	17	0.94
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	17	0.94
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	17	0.94
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	17	0.94
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	17	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	17	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	17	0.94
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	17	0.94
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	17	0.94
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	17	0.94
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	17	0.94
(3,1766)	1:B:17:LEU:HD11	1:B:17:LEU:HA	10	0.94
(3,1766)	1:B:17:LEU:HD12	1:B:17:LEU:HA	10	0.94
(3,1766)	1:B:17:LEU:HD13	1:B:17:LEU:HA	10	0.94
(3,1766)	1:B:17:LEU:HD11	1:B:37:LEU:HA	10	0.94
(3,1766)	1:B:17:LEU:HD12	1:B:37:LEU:HA	10	0.94
(3,1766)	1:B:17:LEU:HD13	1:B:37:LEU:HA	10	0.94
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	3	0.94
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	3	0.94
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	3	0.94
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	3	0.94
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	3	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	3	0.94
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	3	0.94
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	3	0.94
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	3	0.94
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	3	0.94
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	3	0.94
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	3	0.94
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	3	0.94
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	3	0.94
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	3	0.94
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	1	0.94
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	1	0.94
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	6	0.94
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	6	0.94
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	17	0.94
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	17	0.94
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	17	0.94
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	17	0.94
(3,1185)	1:B:73:ILE:HD11	1:B:80:GLN:HB2	9	0.94
(3,1185)	1:B:73:ILE:HD12	1:B:80:GLN:HB2	9	0.94
(3,1185)	1:B:73:ILE:HD13	1:B:80:GLN:HB2	9	0.94
(3,1185)	1:B:73:ILE:HD11	1:B:83:GLU:HB2	9	0.94
(3,1185)	1:B:73:ILE:HD12	1:B:83:GLU:HB2	9	0.94
(3,1185)	1:B:73:ILE:HD13	1:B:83:GLU:HB2	9	0.94
(3,1185)	1:B:73:ILE:HD11	1:B:109:ARG:HD3	9	0.94
(3,1185)	1:B:73:ILE:HD12	1:B:109:ARG:HD3	9	0.94
(3,1185)	1:B:73:ILE:HD13	1:B:109:ARG:HD3	9	0.94
(3,1185)	1:B:73:ILE:HD11	1:B:89:GLU:HG2	9	0.94
(3,1185)	1:B:73:ILE:HD12	1:B:89:GLU:HG2	9	0.94
(3,1185)	1:B:73:ILE:HD13	1:B:89:GLU:HG2	9	0.94
(3,1171)	1:B:74:VAL:HG11	1:B:76:TRP:HE1	7	0.94
(3,1171)	1:B:74:VAL:HG12	1:B:76:TRP:HE1	7	0.94
(3,1171)	1:B:74:VAL:HG13	1:B:76:TRP:HE1	7	0.94
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD11	7	0.94
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD12	7	0.94
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD13	7	0.94
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD11	7	0.94
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD12	7	0.94
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD13	7	0.94
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD11	7	0.94
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD12	7	0.94
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD13	7	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	6	0.94
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	6	0.94
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	6	0.94
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	6	0.94
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	6	0.94
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	6	0.94
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	6	0.94
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	6	0.94
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	6	0.94
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	18	0.94
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	18	0.94
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	18	0.94
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	18	0.94
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	18	0.94
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	18	0.94
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	18	0.94
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	18	0.94
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	18	0.94
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	18	0.94
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	18	0.94
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	18	0.94
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	18	0.94
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	18	0.94
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	18	0.94
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	18	0.94
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	18	0.94
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	18	0.94
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	10	0.94
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	10	0.94
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	10	0.94
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	10	0.94
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	10	0.94
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	10	0.94
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	10	0.94
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	10	0.94
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	10	0.94
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	10	0.94
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	10	0.94
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	10	0.94
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	10	0.94
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	10	0.94
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	10	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	10	0.94
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	10	0.94
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	10	0.94
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	17	0.94
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	17	0.94
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	7	0.94
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	2	0.94
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	2	0.94
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	2	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	1	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	1	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	1	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	4	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	4	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	4	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	8	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	8	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	8	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	12	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	12	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	12	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	13	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	13	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	13	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	17	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	17	0.94
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	17	0.94
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	1	0.94
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	7	0.94
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	8	0.94
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	8	0.94
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	8	0.94
(1,2619)	1:B:11:PRO:HA	1:B:14:GLU:HB2	12	0.94
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	16	0.94
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG21	11	0.94
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG22	11	0.94
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG23	11	0.94
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG21	11	0.94
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG22	11	0.94
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG23	11	0.94
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG21	11	0.94
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG22	11	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG23	11	0.94
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	14	0.94
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	14	0.94
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	14	0.94
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	18	0.94
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	18	0.94
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	18	0.94
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	16	0.94
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	16	0.94
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	16	0.94
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	2	0.94
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	2	0.94
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	2	0.94
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	15	0.94
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	15	0.94
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	15	0.94
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	10	0.94
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	10	0.94
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	10	0.94
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	10	0.94
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	10	0.94
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	10	0.94
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	9	0.94
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	9	0.94
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	9	0.94
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	3	0.94
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	20	0.94
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	20	0.94
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	20	0.94
(3,862)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	15	0.93
(3,862)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	15	0.93
(3,862)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	15	0.93
(3,862)	1:B:101:ILE:HD11	1:B:98:LEU:HB3	15	0.93
(3,862)	1:B:101:ILE:HD12	1:B:98:LEU:HB3	15	0.93
(3,862)	1:B:101:ILE:HD13	1:B:98:LEU:HB3	15	0.93
(3,862)	1:B:105:ILE:HD11	1:B:114:ILE:HG13	15	0.93
(3,862)	1:B:105:ILE:HD12	1:B:114:ILE:HG13	15	0.93
(3,862)	1:B:105:ILE:HD13	1:B:114:ILE:HG13	15	0.93
(3,862)	1:B:101:ILE:HD11	1:B:114:ILE:HG13	15	0.93
(3,862)	1:B:101:ILE:HD12	1:B:114:ILE:HG13	15	0.93
(3,862)	1:B:101:ILE:HD13	1:B:114:ILE:HG13	15	0.93
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	11	0.93
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	11	0.93
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	11	0.93
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	11	0.93
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	11	0.93
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	11	0.93
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	11	0.93
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	11	0.93
(3,494)	1:B:59:LEU:HD21	1:B:59:LEU:HA	14	0.93
(3,494)	1:B:59:LEU:HD22	1:B:59:LEU:HA	14	0.93
(3,494)	1:B:59:LEU:HD23	1:B:59:LEU:HA	14	0.93
(3,494)	1:B:82:LEU:HD21	1:B:82:LEU:HA	14	0.93
(3,494)	1:B:82:LEU:HD22	1:B:82:LEU:HA	14	0.93
(3,494)	1:B:82:LEU:HD23	1:B:82:LEU:HA	14	0.93
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	16	0.93
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	16	0.93
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	16	0.93
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	16	0.93
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	16	0.93
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	16	0.93
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	16	0.93
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	16	0.93
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	16	0.93
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	4	0.93
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	4	0.93
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	4	0.93
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	4	0.93
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	4	0.93
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	4	0.93
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	17	0.93
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	17	0.93
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	17	0.93
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	17	0.93
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	17	0.93
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	17	0.93
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	17	0.93
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	17	0.93
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	11	0.93
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	11	0.93
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	11	0.93
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	11	0.93
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	11	0.93
(3,1171)	1:B:74:VAL:HG11	1:B:76:TRP:HE1	10	0.93
(3,1171)	1:B:74:VAL:HG12	1:B:76:TRP:HE1	10	0.93
(3,1171)	1:B:74:VAL:HG13	1:B:76:TRP:HE1	10	0.93
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD11	10	0.93
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD12	10	0.93
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD13	10	0.93
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD11	10	0.93
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD12	10	0.93
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD13	10	0.93
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD11	10	0.93
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD12	10	0.93
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD13	10	0.93
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	18	0.93
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	18	0.93
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	18	0.93
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	18	0.93
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	18	0.93
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	18	0.93
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	18	0.93
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	18	0.93
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	18	0.93
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	12	0.93
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	12	0.93
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	12	0.93
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	12	0.93
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	12	0.93
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	12	0.93
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG2	15	0.93
(1,900)	1:B:119:LEU:HG	1:B:129:GLU:HG3	15	0.93
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	20	0.93
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	20	0.93
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	20	0.93
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	20	0.93
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	20	0.93
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	20	0.93
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	14	0.93
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	14	0.93
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	14	0.93
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	18	0.93
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	18	0.93
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	18	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	8	0.93
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	8	0.93
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	8	0.93
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	17	0.93
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	8	0.93
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	8	0.93
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	8	0.93
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	13	0.93
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	13	0.93
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	13	0.93
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	8	0.93
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	8	0.93
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	8	0.93
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	12	0.93
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	12	0.93
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	12	0.93
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	16	0.93
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HG13	5	0.93
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HB	5	0.93
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HG13	16	0.93
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HB	16	0.93
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	10	0.93
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	10	0.93
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	10	0.93
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	13	0.93
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	13	0.93
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	13	0.93
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	1	0.93
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG21	15	0.93
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG22	15	0.93
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG23	15	0.93
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	8	0.93
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	8	0.93
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	8	0.93
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	19	0.93
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	19	0.93
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	19	0.93
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	5	0.93
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB1	4	0.93
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB2	4	0.93
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB3	4	0.93
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	18	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	18	0.93
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	18	0.93
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	19	0.93
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	19	0.93
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	19	0.93
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD21	12	0.93
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD22	12	0.93
(1,1688)	1:B:119:LEU:HD11	1:B:130:LEU:HD23	12	0.93
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD21	12	0.93
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD22	12	0.93
(1,1688)	1:B:119:LEU:HD12	1:B:130:LEU:HD23	12	0.93
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD21	12	0.93
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD22	12	0.93
(1,1688)	1:B:119:LEU:HD13	1:B:130:LEU:HD23	12	0.93
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	4	0.93
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	4	0.93
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	4	0.93
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	2	0.93
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	2	0.93
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	2	0.93
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	2	0.93
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	2	0.93
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	2	0.93
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	2	0.93
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	2	0.93
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	2	0.93
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	2	0.93
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	2	0.93
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	2	0.93
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	20	0.93
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	1	0.93
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	1	0.93
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	1	0.93
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	6	0.93
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	6	0.93
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	2	0.93
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	2	0.93
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	2	0.93
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	12	0.93
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	12	0.93
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	12	0.93
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	12	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	12	0.93
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	12	0.93
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	12	0.93
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	12	0.93
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	12	0.93
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	15	0.93
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	15	0.93
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	15	0.93
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	15	0.93
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	15	0.93
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	15	0.93
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	15	0.93
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	15	0.93
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	15	0.93
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	1	0.93
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	1	0.93
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	1	0.93
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	8	0.93
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	8	0.93
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	8	0.93
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	16	0.93
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	16	0.93
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	16	0.93
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	16	0.93
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	16	0.93
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	16	0.93
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	16	0.93
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	16	0.93
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	16	0.93
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	6	0.92
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	6	0.92
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	6	0.92
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	6	0.92
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	6	0.92
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	6	0.92
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	6	0.92
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	6	0.92
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	6	0.92
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	6	0.92
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	6	0.92
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	6	0.92
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	6	0.92
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	6	0.92
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	6	0.92
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	6	0.92
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	6	0.92
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	3	0.92
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	3	0.92
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	3	0.92
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	3	0.92
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	3	0.92
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	3	0.92
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	3	0.92
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	3	0.92
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	3	0.92
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	16	0.92
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	16	0.92
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	16	0.92
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	16	0.92
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	20	0.92
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	20	0.92
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	20	0.92
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	20	0.92
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	20	0.92
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	20	0.92
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	20	0.92
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	20	0.92
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	20	0.92
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	20	0.92
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	20	0.92
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	20	0.92
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	1	0.92
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	1	0.92
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	1	0.92
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	13	0.92
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	13	0.92
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	5	0.92
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	5	0.92
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	5	0.92
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	5	0.92
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	5	0.92
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	5	0.92
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	14	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	14	0.92
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	14	0.92
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	17	0.92
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	17	0.92
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	17	0.92
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	2	0.92
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	2	0.92
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	2	0.92
(1,883)	1:B:40:LEU:HD11	1:B:43:VAL:H	20	0.92
(1,883)	1:B:40:LEU:HD12	1:B:43:VAL:H	20	0.92
(1,883)	1:B:40:LEU:HD13	1:B:43:VAL:H	20	0.92
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	2	0.92
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD11	11	0.92
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD12	11	0.92
(1,539)	1:B:85:GLN:HE21	1:B:121:LEU:HD13	11	0.92
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	5	0.92
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	5	0.92
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	5	0.92
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	19	0.92
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	19	0.92
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	19	0.92
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	11	0.92
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	20	0.92
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	20	0.92
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	20	0.92
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	16	0.92
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	16	0.92
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	16	0.92
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	5	0.92
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	16	0.92
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	16	0.92
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	16	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	6	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	6	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	6	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	7	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	7	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	7	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	13	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	13	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	13	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	15	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	15	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	15	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	16	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	16	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	16	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	20	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	20	0.92
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	20	0.92
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	4	0.92
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	4	0.92
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	4	0.92
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	7	0.92
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	7	0.92
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	7	0.92
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	2	0.92
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	2	0.92
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	2	0.92
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	9	0.92
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	7	0.92
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	7	0.92
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	7	0.92
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	18	0.92
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	18	0.92
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	18	0.92
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG21	6	0.92
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG22	6	0.92
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG23	6	0.92
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	1	0.92
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	1	0.92
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	1	0.92
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	1	0.92
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	1	0.92
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	1	0.92
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD11	7	0.92
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD12	7	0.92
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD13	7	0.92
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD21	7	0.92
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD22	7	0.92
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD23	7	0.92
(1,1549)	1:B:65:ASP:HB3	1:B:64:LYS:HB2	4	0.92
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	9	0.92
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	9	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	9	0.92
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	10	0.92
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	10	0.92
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	10	0.92
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	16	0.92
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	16	0.92
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	16	0.92
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	6	0.92
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	6	0.92
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	6	0.92
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD11	12	0.92
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD12	12	0.92
(1,1206)	1:B:116:ASP:HA	1:B:119:LEU:HD13	12	0.92
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	14	0.92
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	14	0.92
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	14	0.92
(1,1176)	1:B:119:LEU:HD11	1:B:119:LEU:H	19	0.92
(1,1176)	1:B:119:LEU:HD12	1:B:119:LEU:H	19	0.92
(1,1176)	1:B:119:LEU:HD13	1:B:119:LEU:H	19	0.92
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	13	0.91
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	13	0.91
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	13	0.91
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	13	0.91
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	13	0.91
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	13	0.91
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	13	0.91
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	13	0.91
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	13	0.91
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	13	0.91
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	13	0.91
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	13	0.91
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	13	0.91
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	13	0.91
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	13	0.91
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	13	0.91
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	13	0.91
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	13	0.91
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	2	0.91
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	2	0.91
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	2	0.91
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	2	0.91
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	2	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	2	0.91
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	2	0.91
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	11	0.91
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	11	0.91
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	11	0.91
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	11	0.91
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	11	0.91
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	11	0.91
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	5	0.91
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	5	0.91
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	5	0.91
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	5	0.91
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	5	0.91
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	5	0.91
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	13	0.91
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	13	0.91
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	13	0.91
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	13	0.91
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	13	0.91
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	13	0.91
(3,217)	1:B:99:GLY:H	1:B:114:ILE:HB	8	0.91
(3,217)	1:B:99:GLY:H	1:B:115:VAL:HB	8	0.91
(3,217)	1:B:99:GLY:H	1:B:87:LEU:HB2	8	0.91
(3,1422)	1:B:52:HIS:HE1	1:B:48:LYS:HD2	2	0.91
(3,1422)	1:B:52:HIS:HE1	1:B:56:GLN:HB2	2	0.91
(3,1422)	1:B:52:HIS:HE1	1:B:48:LYS:HD2	8	0.91
(3,1422)	1:B:52:HIS:HE1	1:B:56:GLN:HB2	8	0.91
(3,1171)	1:B:74:VAL:HG11	1:B:76:TRP:HE1	8	0.91
(3,1171)	1:B:74:VAL:HG12	1:B:76:TRP:HE1	8	0.91
(3,1171)	1:B:74:VAL:HG13	1:B:76:TRP:HE1	8	0.91
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD11	8	0.91
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD12	8	0.91
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD13	8	0.91
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD11	8	0.91
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD12	8	0.91
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD13	8	0.91
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD11	8	0.91
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD12	8	0.91
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD13	8	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	7	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	7	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	7	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	7	0.91
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	7	0.91
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	7	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	7	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	7	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	7	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	7	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	7	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	7	0.91
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	7	0.91
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	7	0.91
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	7	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	7	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	7	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	7	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	11	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	11	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	11	0.91
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	11	0.91
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	11	0.91
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	11	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	11	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	11	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	11	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	11	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	11	0.91
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	11	0.91
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	11	0.91
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	11	0.91
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	11	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	11	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	11	0.91
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	11	0.91
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	7	0.91
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	7	0.91
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	7	0.91
(1,999)	1:B:67:GLN:HB2	1:B:67:GLN:H	1	0.91
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	20	0.91
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	20	0.91
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	20	0.91
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	7	0.91
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	7	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	7	0.91
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	19	0.91
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	3	0.91
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	17	0.91
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	10	0.91
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	10	0.91
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	10	0.91
(1,2229)	1:B:45:ARG:HD2	1:B:43:VAL:HB	7	0.91
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	3	0.91
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	3	0.91
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	3	0.91
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	17	0.91
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	17	0.91
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	17	0.91
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	19	0.91
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	19	0.91
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	19	0.91
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HG13	6	0.91
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HB	6	0.91
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	20	0.91
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	20	0.91
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	20	0.91
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	20	0.91
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	20	0.91
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	20	0.91
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	20	0.91
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	20	0.91
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	20	0.91
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	19	0.91
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	19	0.91
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	19	0.91
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	3	0.91
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	3	0.91
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	3	0.91
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	3	0.91
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	3	0.91
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	3	0.91
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	3	0.91
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	3	0.91
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	3	0.91
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	6	0.91
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	6	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	6	0.91
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	6	0.91
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	6	0.91
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	6	0.91
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	4	0.91
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	4	0.91
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	4	0.91
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	9	0.91
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	9	0.91
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	9	0.91
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG21	4	0.91
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG22	4	0.91
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG23	4	0.91
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD11	20	0.91
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD12	20	0.91
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD13	20	0.91
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD21	20	0.91
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD22	20	0.91
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD23	20	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	3	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	3	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	3	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	7	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	7	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	7	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	11	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	11	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	11	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	12	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	12	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	12	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	15	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	15	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	15	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	19	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	19	0.91
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	19	0.91
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	2	0.91
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	2	0.91
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	13	0.91
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	13	0.91
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	13	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	13	0.91
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	13	0.91
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	13	0.91
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	13	0.91
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	13	0.91
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	13	0.91
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	7	0.91
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	7	0.91
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	7	0.91
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	19	0.91
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	19	0.91
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	19	0.91
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	19	0.91
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	19	0.91
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	19	0.91
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	7	0.9
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	7	0.9
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	7	0.9
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	7	0.9
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	7	0.9
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	7	0.9
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	7	0.9
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	7	0.9
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	7	0.9
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	7	0.9
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	7	0.9
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	7	0.9
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	7	0.9
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	7	0.9
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	7	0.9
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	7	0.9
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	7	0.9
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	7	0.9
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	7	0.9
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	7	0.9
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	7	0.9
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	7	0.9
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	7	0.9
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	7	0.9
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	11	0.9
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	11	0.9
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	11	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	11	0.9
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	11	0.9
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	11	0.9
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	10	0.9
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	10	0.9
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	10	0.9
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	10	0.9
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	20	0.9
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	20	0.9
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	20	0.9
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	20	0.9
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	20	0.9
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	20	0.9
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	20	0.9
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	20	0.9
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	20	0.9
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	5	0.9
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	5	0.9
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	5	0.9
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	5	0.9
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	5	0.9
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	5	0.9
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	9	0.9
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	9	0.9
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	9	0.9
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	9	0.9
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	9	0.9
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	9	0.9
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	4	0.9
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	4	0.9
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	4	0.9
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	4	0.9
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	4	0.9
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	4	0.9
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	18	0.9
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	18	0.9
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	18	0.9
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	1	0.9
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	1	0.9
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	1	0.9
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	1	0.9
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	1	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	1	0.9
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	1	0.9
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	1	0.9
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	1	0.9
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	1	0.9
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	1	0.9
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	1	0.9
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	11	0.9
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	11	0.9
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	15	0.9
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	15	0.9
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	15	0.9
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	18	0.9
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	13	0.9
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	20	0.9
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	2	0.9
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	2	0.9
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	2	0.9
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	5	0.9
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	5	0.9
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	5	0.9
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	5	0.9
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	5	0.9
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	5	0.9
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	19	0.9
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	19	0.9
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	19	0.9
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	5	0.9
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	3	0.9
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	3	0.9
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	3	0.9
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	4	0.9
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	4	0.9
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	4	0.9
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	2	0.9
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	2	0.9
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	2	0.9
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	20	0.9
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	20	0.9
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	20	0.9
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	4	0.9
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	4	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	4	0.9
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	10	0.9
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	10	0.9
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	10	0.9
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	2	0.9
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	2	0.9
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	2	0.9
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	2	0.9
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	2	0.9
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	2	0.9
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	14	0.9
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	14	0.9
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	14	0.9
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	14	0.9
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	14	0.9
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	14	0.9
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	8	0.9
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	8	0.9
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	8	0.9
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	15	0.9
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	15	0.9
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	15	0.9
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	16	0.9
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	16	0.9
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	16	0.9
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	3	0.9
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	3	0.9
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	3	0.9
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	5	0.9
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	5	0.9
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	5	0.9
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	5	0.9
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	5	0.9
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	5	0.9
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	5	0.9
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	5	0.9
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	5	0.9
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	8	0.9
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	8	0.9
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	8	0.9
(1,1558)	1:B:92:ARG:HD2	1:B:89:GLU:HB2	6	0.9
(1,1526)	1:B:97:VAL:HG21	1:B:88:PHE:HA	8	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:B:97:VAL:HG22	1:B:88:PHE:HA	8	0.9
(1,1526)	1:B:97:VAL:HG23	1:B:88:PHE:HA	8	0.9
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	5	0.9
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	5	0.9
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	5	0.9
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	8	0.9
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	8	0.9
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	8	0.9
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	10	0.9
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	10	0.9
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	10	0.9
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	1	0.9
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	1	0.9
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	1	0.9
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	13	0.9
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	13	0.9
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	13	0.9
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	3	0.89
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	3	0.89
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	3	0.89
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	3	0.89
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	3	0.89
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	3	0.89
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	3	0.89
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	3	0.89
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	3	0.89
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	3	0.89
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	3	0.89
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	3	0.89
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	3	0.89
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	3	0.89
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	3	0.89
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	5	0.89
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	5	0.89
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	5	0.89
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	5	0.89
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	5	0.89
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	5	0.89
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	2	0.89
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	2	0.89
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	2	0.89
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	2	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	2	0.89
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	2	0.89
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	16	0.89
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	16	0.89
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	16	0.89
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	16	0.89
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	16	0.89
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	16	0.89
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	16	0.89
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	11	0.89
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	11	0.89
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	13	0.89
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	13	0.89
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	13	0.89
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	13	0.89
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	13	0.89
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	13	0.89
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	16	0.89
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	16	0.89
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	16	0.89
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	16	0.89
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	16	0.89
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	16	0.89
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	16	0.89
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	16	0.89
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	16	0.89
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	6	0.89
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	6	0.89
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	6	0.89
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	9	0.89
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	9	0.89
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	9	0.89
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	9	0.89
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	9	0.89
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	9	0.89
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	12	0.89
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	12	0.89
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	12	0.89
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	12	0.89
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	12	0.89
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	12	0.89
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	12	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	12	0.89
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	12	0.89
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	12	0.89
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	12	0.89
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	12	0.89
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	12	0.89
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	12	0.89
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	12	0.89
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	12	0.89
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	12	0.89
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	12	0.89
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD21	10	0.89
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD22	10	0.89
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD23	10	0.89
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	20	0.89
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	20	0.89
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	20	0.89
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	15	0.89
(1,2563)	1:B:17:LEU:HD11	1:B:21:TYR:H	10	0.89
(1,2563)	1:B:17:LEU:HD12	1:B:21:TYR:H	10	0.89
(1,2563)	1:B:17:LEU:HD13	1:B:21:TYR:H	10	0.89
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	13	0.89
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	13	0.89
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	13	0.89
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	9	0.89
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	9	0.89
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	9	0.89
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG21	7	0.89
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG22	7	0.89
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG23	7	0.89
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG21	7	0.89
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG22	7	0.89
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG23	7	0.89
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG21	7	0.89
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG22	7	0.89
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG23	7	0.89
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG21	12	0.89
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG22	12	0.89
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG23	12	0.89
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG21	12	0.89
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG22	12	0.89
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG23	12	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG21	12	0.89
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG22	12	0.89
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG23	12	0.89
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	20	0.89
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	20	0.89
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	20	0.89
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	19	0.89
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	19	0.89
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	19	0.89
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	8	0.89
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	8	0.89
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	8	0.89
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	5	0.89
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	5	0.89
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	5	0.89
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	10	0.89
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	10	0.89
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	10	0.89
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	12	0.89
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	12	0.89
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	12	0.89
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	13	0.89
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	13	0.89
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	13	0.89
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	8	0.89
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	8	0.89
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	8	0.89
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	4	0.89
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	4	0.89
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	4	0.89
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	17	0.89
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	17	0.89
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	17	0.89
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	18	0.89
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	18	0.89
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	18	0.89
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	3	0.89
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	3	0.89
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	3	0.89
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	17	0.89
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	17	0.89
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	17	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	17	0.89
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	17	0.89
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	17	0.89
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	17	0.89
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	17	0.89
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	17	0.89
(1,1250)	1:B:115:VAL:HG21	1:B:116:ASP:H	12	0.89
(1,1250)	1:B:115:VAL:HG22	1:B:116:ASP:H	12	0.89
(1,1250)	1:B:115:VAL:HG23	1:B:116:ASP:H	12	0.89
(1,1230)	1:B:115:VAL:HG21	1:B:116:ASP:HB2	12	0.89
(1,1230)	1:B:115:VAL:HG22	1:B:116:ASP:HB2	12	0.89
(1,1230)	1:B:115:VAL:HG23	1:B:116:ASP:HB2	12	0.89
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	7	0.89
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	7	0.89
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	7	0.89
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	8	0.89
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	8	0.89
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	8	0.89
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	18	0.89
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	18	0.89
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	18	0.89
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	18	0.89
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	18	0.89
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	18	0.89
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	18	0.89
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	18	0.89
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	18	0.89
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	18	0.89
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	18	0.89
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	18	0.89
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	8	0.88
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	8	0.88
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	8	0.88
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	8	0.88
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	8	0.88
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	8	0.88
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	9	0.88
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	9	0.88
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	9	0.88
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	9	0.88
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	9	0.88
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	9	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	9	0.88
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	9	0.88
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	9	0.88
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	9	0.88
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	9	0.88
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	9	0.88
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	9	0.88
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	9	0.88
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	9	0.88
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	11	0.88
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	11	0.88
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	11	0.88
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	11	0.88
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	11	0.88
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	11	0.88
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	11	0.88
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	11	0.88
(3,384)	1:B:82:LEU:HD11	1:B:83:GLU:HG3	7	0.88
(3,384)	1:B:82:LEU:HD12	1:B:83:GLU:HG3	7	0.88
(3,384)	1:B:82:LEU:HD13	1:B:83:GLU:HG3	7	0.88
(3,384)	1:B:40:LEU:HD21	1:B:13:GLU:HG3	7	0.88
(3,384)	1:B:40:LEU:HD22	1:B:13:GLU:HG3	7	0.88
(3,384)	1:B:40:LEU:HD23	1:B:13:GLU:HG3	7	0.88
(3,384)	1:B:82:LEU:HD11	1:B:83:GLU:HB2	7	0.88
(3,384)	1:B:82:LEU:HD12	1:B:83:GLU:HB2	7	0.88
(3,384)	1:B:82:LEU:HD13	1:B:83:GLU:HB2	7	0.88
(3,384)	1:B:40:LEU:HD21	1:B:13:GLU:HG2	7	0.88
(3,384)	1:B:40:LEU:HD22	1:B:13:GLU:HG2	7	0.88
(3,384)	1:B:40:LEU:HD23	1:B:13:GLU:HG2	7	0.88
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD21	2	0.88
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD22	2	0.88
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD23	2	0.88
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG11	2	0.88
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG12	2	0.88
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG13	2	0.88
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	16	0.88
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	16	0.88
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	16	0.88
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	16	0.88
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	16	0.88
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	16	0.88
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	18	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	18	0.88
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	18	0.88
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	18	0.88
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	18	0.88
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	18	0.88
(3,1578)	1:B:98:LEU:HD11	1:B:102:MET:H	19	0.88
(3,1578)	1:B:98:LEU:HD12	1:B:102:MET:H	19	0.88
(3,1578)	1:B:98:LEU:HD13	1:B:102:MET:H	19	0.88
(3,1578)	1:B:98:LEU:HD11	1:B:97:VAL:H	19	0.88
(3,1578)	1:B:98:LEU:HD12	1:B:97:VAL:H	19	0.88
(3,1578)	1:B:98:LEU:HD13	1:B:97:VAL:H	19	0.88
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	1	0.88
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	1	0.88
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	1	0.88
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	1	0.88
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	1	0.88
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	1	0.88
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	11	0.88
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	11	0.88
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	11	0.88
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	11	0.88
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	11	0.88
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	11	0.88
(3,1422)	1:B:52:HIS:HE1	1:B:48:LYS:HD2	20	0.88
(3,1422)	1:B:52:HIS:HE1	1:B:56:GLN:HB2	20	0.88
(3,1248)	1:B:89:GLU:HB2	1:B:90:GLU:HG3	16	0.88
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG3	16	0.88
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG2	16	0.88
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	10	0.88
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	10	0.88
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	10	0.88
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	10	0.88
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB2	16	0.88
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB2	16	0.88
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB2	16	0.88
(3,1189)	1:B:73:ILE:HG21	1:B:114:ILE:HB	16	0.88
(3,1189)	1:B:73:ILE:HG22	1:B:114:ILE:HB	16	0.88
(3,1189)	1:B:73:ILE:HG23	1:B:114:ILE:HB	16	0.88
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB3	16	0.88
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB3	16	0.88
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB3	16	0.88
(3,1189)	1:B:73:ILE:HG21	1:B:113:ARG:HB3	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1189)	1:B:73:ILE:HG22	1:B:113:ARG:HB3	16	0.88
(3,1189)	1:B:73:ILE:HG23	1:B:113:ARG:HB3	16	0.88
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HG3	16	0.88
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HG3	16	0.88
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HG3	16	0.88
(3,1182)	1:B:74:VAL:HG21	1:B:109:ARG:HB2	15	0.88
(3,1182)	1:B:74:VAL:HG22	1:B:109:ARG:HB2	15	0.88
(3,1182)	1:B:74:VAL:HG23	1:B:109:ARG:HB2	15	0.88
(3,1182)	1:B:74:VAL:HG21	1:B:73:ILE:HB	15	0.88
(3,1182)	1:B:74:VAL:HG22	1:B:73:ILE:HB	15	0.88
(3,1182)	1:B:74:VAL:HG23	1:B:73:ILE:HB	15	0.88
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	9	0.88
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	9	0.88
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	9	0.88
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	9	0.88
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	9	0.88
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	9	0.88
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	9	0.88
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	9	0.88
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	9	0.88
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	9	0.88
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	9	0.88
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	9	0.88
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	9	0.88
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	9	0.88
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	9	0.88
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	9	0.88
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	9	0.88
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	9	0.88
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG21	13	0.88
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG22	13	0.88
(1,956)	1:B:131:TYR:HE1	1:B:115:VAL:HG23	13	0.88
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG21	13	0.88
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG22	13	0.88
(1,956)	1:B:131:TYR:HE2	1:B:115:VAL:HG23	13	0.88
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	8	0.88
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	11	0.88
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	11	0.88
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	11	0.88
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	18	0.88
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	18	0.88
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	18	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG21	1	0.88
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG22	1	0.88
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG23	1	0.88
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG21	1	0.88
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG22	1	0.88
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG23	1	0.88
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG21	1	0.88
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG22	1	0.88
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG23	1	0.88
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	1	0.88
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	1	0.88
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	1	0.88
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	20	0.88
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	20	0.88
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	20	0.88
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	14	0.88
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	14	0.88
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	14	0.88
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	17	0.88
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	17	0.88
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	17	0.88
(1,2071)	1:B:55:VAL:HG11	1:B:66:PHE:HZ	3	0.88
(1,2071)	1:B:55:VAL:HG12	1:B:66:PHE:HZ	3	0.88
(1,2071)	1:B:55:VAL:HG13	1:B:66:PHE:HZ	3	0.88
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	13	0.88
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	13	0.88
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	13	0.88
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	13	0.88
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	13	0.88
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	13	0.88
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	20	0.88
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	20	0.88
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	20	0.88
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	20	0.88
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	20	0.88
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	20	0.88
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	4	0.88
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	4	0.88
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	20	0.88
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	20	0.88
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	20	0.88
(1,1804)	1:B:74:VAL:HG11	1:B:74:VAL:H	7	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1804)	1:B:74:VAL:HG12	1:B:74:VAL:H	7	0.88
(1,1804)	1:B:74:VAL:HG13	1:B:74:VAL:H	7	0.88
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	19	0.88
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	3	0.88
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	3	0.88
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	3	0.88
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	9	0.88
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	9	0.88
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	9	0.88
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	9	0.88
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	9	0.88
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	9	0.88
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	11	0.88
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	11	0.88
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	11	0.88
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD11	17	0.88
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD12	17	0.88
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD13	17	0.88
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD21	17	0.88
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD22	17	0.88
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD23	17	0.88
(1,1527)	1:B:97:VAL:HG21	1:B:91:PHE:HB2	5	0.88
(1,1527)	1:B:97:VAL:HG22	1:B:91:PHE:HB2	5	0.88
(1,1527)	1:B:97:VAL:HG23	1:B:91:PHE:HB2	5	0.88
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	13	0.88
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	13	0.88
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	13	0.88
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	11	0.88
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	11	0.88
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	11	0.88
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	8	0.88
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	8	0.88
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	8	0.88
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	8	0.88
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	8	0.88
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	8	0.88
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	8	0.88
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	8	0.88
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	8	0.88
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG11	10	0.88
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG12	10	0.88
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG13	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG21	10	0.88
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG22	10	0.88
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG23	10	0.88
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	16	0.88
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	16	0.88
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	16	0.88
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	7	0.88
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	7	0.88
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	7	0.88
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	7	0.88
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	7	0.88
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	7	0.88
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	7	0.88
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	7	0.88
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	7	0.88
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	10	0.88
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	10	0.88
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	10	0.88
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	10	0.88
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	10	0.88
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	10	0.88
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	10	0.88
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	10	0.88
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	10	0.88
(3,97)	1:B:108:LYS:H	1:B:108:LYS:HG2	13	0.87
(3,97)	1:B:50:ILE:H	1:B:45:ARG:HG2	13	0.87
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	8	0.87
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	8	0.87
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	8	0.87
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	8	0.87
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	8	0.87
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	8	0.87
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	9	0.87
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	9	0.87
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	9	0.87
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	9	0.87
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	9	0.87
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	9	0.87
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	9	0.87
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	9	0.87
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	9	0.87
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	9	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	9	0.87
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	9	0.87
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	13	0.87
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	13	0.87
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	13	0.87
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	13	0.87
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	17	0.87
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	17	0.87
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	17	0.87
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	17	0.87
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	17	0.87
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	17	0.87
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	14	0.87
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	14	0.87
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	18	0.87
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	18	0.87
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	8	0.87
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	8	0.87
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	8	0.87
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	8	0.87
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	8	0.87
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	8	0.87
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	8	0.87
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	8	0.87
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	8	0.87
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	4	0.87
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	4	0.87
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	4	0.87
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	4	0.87
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	4	0.87
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	4	0.87
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	20	0.87
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	20	0.87
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	20	0.87
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	20	0.87
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	20	0.87
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	20	0.87
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	12	0.87
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	12	0.87
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	12	0.87
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	12	0.87
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	12	0.87
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	12	0.87
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	12	0.87
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	12	0.87
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	12	0.87
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	12	0.87
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	12	0.87
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	16	0.87
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	16	0.87
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	16	0.87
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	16	0.87
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	16	0.87
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	16	0.87
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	6	0.87
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	6	0.87
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	6	0.87
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	6	0.87
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	6	0.87
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	6	0.87
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	6	0.87
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	6	0.87
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	6	0.87
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	6	0.87
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	6	0.87
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	6	0.87
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	6	0.87
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	6	0.87
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	6	0.87
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	11	0.87
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	11	0.87
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	11	0.87
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	11	0.87
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	11	0.87
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	11	0.87
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	11	0.87
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	11	0.87
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	11	0.87
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	11	0.87
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	11	0.87
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	11	0.87
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	11	0.87
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	11	0.87
(3,1174)	1:B:74:VAL:HG11	1:B:75:LEU:HG	20	0.87
(3,1174)	1:B:74:VAL:HG12	1:B:75:LEU:HG	20	0.87
(3,1174)	1:B:74:VAL:HG13	1:B:75:LEU:HG	20	0.87
(3,1174)	1:B:74:VAL:HG11	1:B:117:LYS:HB3	20	0.87
(3,1174)	1:B:74:VAL:HG12	1:B:117:LYS:HB3	20	0.87
(3,1174)	1:B:74:VAL:HG13	1:B:117:LYS:HB3	20	0.87
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	18	0.87
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	12	0.87
(1,740)	1:B:121:LEU:H	1:B:121:LEU:HG	10	0.87
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	2	0.87
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	3	0.87
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	3	0.87
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	3	0.87
(1,2302)	1:B:43:VAL:HG21	1:B:43:VAL:H	3	0.87
(1,2302)	1:B:43:VAL:HG22	1:B:43:VAL:H	3	0.87
(1,2302)	1:B:43:VAL:HG23	1:B:43:VAL:H	3	0.87
(1,2302)	1:B:43:VAL:HG21	1:B:43:VAL:H	12	0.87
(1,2302)	1:B:43:VAL:HG22	1:B:43:VAL:H	12	0.87
(1,2302)	1:B:43:VAL:HG23	1:B:43:VAL:H	12	0.87
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	3	0.87
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	3	0.87
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	3	0.87
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	8	0.87
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	8	0.87
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	8	0.87
(1,1804)	1:B:74:VAL:HG11	1:B:74:VAL:H	2	0.87
(1,1804)	1:B:74:VAL:HG12	1:B:74:VAL:H	2	0.87
(1,1804)	1:B:74:VAL:HG13	1:B:74:VAL:H	2	0.87
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	19	0.87
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	19	0.87
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	19	0.87
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	19	0.87
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	19	0.87
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	19	0.87
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD11	20	0.87
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD12	20	0.87
(1,1491)	1:B:20:LEU:HA	1:B:20:LEU:HD13	20	0.87
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	16	0.87
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	16	0.87
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	16	0.87
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	16	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	16	0.87
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	16	0.87
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	16	0.87
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	16	0.87
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	16	0.87
(1,1250)	1:B:115:VAL:HG21	1:B:116:ASP:H	8	0.87
(1,1250)	1:B:115:VAL:HG22	1:B:116:ASP:H	8	0.87
(1,1250)	1:B:115:VAL:HG23	1:B:116:ASP:H	8	0.87
(1,1165)	1:B:119:LEU:HD11	1:B:127:ARG:HD3	20	0.87
(1,1165)	1:B:119:LEU:HD12	1:B:127:ARG:HD3	20	0.87
(1,1165)	1:B:119:LEU:HD13	1:B:127:ARG:HD3	20	0.87
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	2	0.86
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	2	0.86
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	2	0.86
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	2	0.86
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	2	0.86
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	2	0.86
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	3	0.86
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	3	0.86
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	3	0.86
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	3	0.86
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	3	0.86
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	3	0.86
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	6	0.86
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	6	0.86
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	6	0.86
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	6	0.86
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	6	0.86
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	6	0.86
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	7	0.86
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	7	0.86
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	7	0.86
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	7	0.86
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	7	0.86
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	7	0.86
(3,1821)	1:B:129:GLU:HG3	1:B:128:ARG:HD3	3	0.86
(3,1821)	1:B:129:GLU:HG2	1:B:127:ARG:HD2	3	0.86
(3,1821)	1:B:129:GLU:HG3	1:B:127:ARG:HD2	3	0.86
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	13	0.86
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	13	0.86
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	13	0.86
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	13	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	13	0.86
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	13	0.86
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	9	0.86
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	9	0.86
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	9	0.86
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	14	0.86
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	14	0.86
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	19	0.86
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	19	0.86
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	13	0.86
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	13	0.86
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	13	0.86
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	13	0.86
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	13	0.86
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	13	0.86
(1,999)	1:B:67:GLN:HB2	1:B:67:GLN:H	12	0.86
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	15	0.86
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	15	0.86
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	15	0.86
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	15	0.86
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	15	0.86
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	15	0.86
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	15	0.86
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	15	0.86
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	15	0.86
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	15	0.86
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	15	0.86
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	6	0.86
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	6	0.86
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	6	0.86
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	9	0.86
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	9	0.86
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	9	0.86
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	6	0.86
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	18	0.86
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	7	0.86
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	13	0.86
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	13	0.86
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	13	0.86
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD11	10	0.86
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD12	10	0.86
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD13	10	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	15	0.86
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	15	0.86
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	15	0.86
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	19	0.86
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	19	0.86
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	19	0.86
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	19	0.86
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	19	0.86
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	19	0.86
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HG13	9	0.86
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HB	9	0.86
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	15	0.86
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	15	0.86
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	15	0.86
(1,1644)	1:B:89:GLU:HG3	1:B:92:ARG:HD2	11	0.86
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	11	0.86
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	11	0.86
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	11	0.86
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	11	0.86
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	11	0.86
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	11	0.86
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	11	0.86
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	11	0.86
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	11	0.86
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD1	4	0.86
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD2	4	0.86
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD1	4	0.86
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD2	4	0.86
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD1	4	0.86
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD2	4	0.86
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HZ	4	0.86
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HZ	4	0.86
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HZ	4	0.86
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	4	0.86
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	4	0.86
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	4	0.86
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	19	0.86
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	19	0.86
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	19	0.86
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE1	5	0.86
(1,1177)	1:B:119:LEU:HD11	1:B:88:PHE:HE2	5	0.86
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE1	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:B:119:LEU:HD12	1:B:88:PHE:HE2	5	0.86
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE1	5	0.86
(1,1177)	1:B:119:LEU:HD13	1:B:88:PHE:HE2	5	0.86
(3,97)	1:B:108:LYS:H	1:B:108:LYS:HG2	2	0.85
(3,97)	1:B:50:ILE:H	1:B:45:ARG:HG2	2	0.85
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	9	0.85
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	9	0.85
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	9	0.85
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	9	0.85
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	9	0.85
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	9	0.85
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	9	0.85
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	9	0.85
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	9	0.85
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	9	0.85
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	9	0.85
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	9	0.85
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	6	0.85
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	6	0.85
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	6	0.85
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	6	0.85
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	6	0.85
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	6	0.85
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	14	0.85
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	14	0.85
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	14	0.85
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	14	0.85
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	14	0.85
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	14	0.85
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	14	0.85
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	14	0.85
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	14	0.85
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	14	0.85
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	14	0.85
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	14	0.85
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	14	0.85
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	14	0.85
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	14	0.85
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	14	0.85
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	14	0.85
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	14	0.85
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	10	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	10	0.85
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	10	0.85
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	17	0.85
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	17	0.85
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	17	0.85
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	17	0.85
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	17	0.85
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	17	0.85
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	16	0.85
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	16	0.85
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	16	0.85
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	16	0.85
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	16	0.85
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	16	0.85
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	6	0.85
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	6	0.85
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	6	0.85
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	6	0.85
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	6	0.85
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	6	0.85
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	6	0.85
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	6	0.85
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	6	0.85
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	6	0.85
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	6	0.85
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	6	0.85
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	17	0.85
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	17	0.85
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	3	0.85
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	3	0.85
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	3	0.85
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	3	0.85
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	3	0.85
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	3	0.85
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	3	0.85
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	3	0.85
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	3	0.85
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	3	0.85
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	3	0.85
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	3	0.85
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	5	0.85
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	5	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	17	0.85
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	17	0.85
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	17	0.85
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	17	0.85
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	17	0.85
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	17	0.85
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	1	0.85
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	1	0.85
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	1	0.85
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	9	0.85
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	9	0.85
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	5	0.85
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	11	0.85
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	11	0.85
(1,724)	1:B:117:LYS:H	1:B:117:LYS:HD3	2	0.85
(1,449)	1:B:68:ARG:H	1:B:67:GLN:HB3	12	0.85
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	3	0.85
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	7	0.85
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	13	0.85
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	14	0.85
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	16	0.85
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	17	0.85
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	6	0.85
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	6	0.85
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	6	0.85
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	9	0.85
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG21	6	0.85
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG22	6	0.85
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG23	6	0.85
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG21	6	0.85
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG22	6	0.85
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG23	6	0.85
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG21	6	0.85
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG22	6	0.85
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG23	6	0.85
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	15	0.85
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	15	0.85
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	15	0.85
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	11	0.85
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	11	0.85
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	11	0.85
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	5	0.85
(1,1522)	1:B:97:VAL:HG21	1:B:92:ARG:HB2	3	0.85
(1,1522)	1:B:97:VAL:HG22	1:B:92:ARG:HB2	3	0.85
(1,1522)	1:B:97:VAL:HG23	1:B:92:ARG:HB2	3	0.85
(1,1388)	1:B:106:THR:HG21	1:B:80:GLN:HG2	20	0.85
(1,1388)	1:B:106:THR:HG22	1:B:80:GLN:HG2	20	0.85
(1,1388)	1:B:106:THR:HG23	1:B:80:GLN:HG2	20	0.85
(1,1286)	1:B:114:ILE:HD11	1:B:109:ARG:HD2	3	0.85
(1,1286)	1:B:114:ILE:HD12	1:B:109:ARG:HD2	3	0.85
(1,1286)	1:B:114:ILE:HD13	1:B:109:ARG:HD2	3	0.85
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	15	0.85
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	15	0.85
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	15	0.85
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	15	0.85
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	15	0.85
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	15	0.85
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	11	0.85
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	11	0.85
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	11	0.85
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	11	0.85
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	11	0.85
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	11	0.85
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	11	0.85
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	11	0.85
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	11	0.85
(1,1146)	1:B:112:ALA:HA	1:B:127:ARG:HD3	10	0.85
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	9	0.84
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	9	0.84
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	9	0.84
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	9	0.84
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	9	0.84
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	9	0.84
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	9	0.84
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	9	0.84
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	8	0.84
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	8	0.84
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	8	0.84
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	8	0.84
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	8	0.84
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	8	0.84
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	10	0.84
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	10	0.84
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	10	0.84
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	10	0.84
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	10	0.84
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	10	0.84
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	10	0.84
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	10	0.84
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	10	0.84
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	10	0.84
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	10	0.84
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	5	0.84
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	5	0.84
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	5	0.84
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	5	0.84
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	5	0.84
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	5	0.84
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	12	0.84
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	12	0.84
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	1	0.84
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	1	0.84
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	1	0.84
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	1	0.84
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	1	0.84
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	1	0.84
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	5	0.84
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	5	0.84
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	5	0.84
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	5	0.84
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	5	0.84
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	5	0.84
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	5	0.84
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	5	0.84
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	5	0.84
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	5	0.84
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	5	0.84
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	5	0.84
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	5	0.84
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	5	0.84
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	5	0.84
(2,7)	1:B:68:ARG:H	1:B:64:LYS:HB3	19	0.84
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	6	0.84
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG11	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG12	10	0.84
(1,401)	1:B:63:VAL:H	1:B:63:VAL:HG13	10	0.84
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	5	0.84
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	11	0.84
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	15	0.84
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	20	0.84
(1,354)	1:B:56:GLN:HE22	1:B:53:HIS:HE1	19	0.84
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	1	0.84
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	1	0.84
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	1	0.84
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	15	0.84
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	15	0.84
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	7	0.84
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	7	0.84
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	7	0.84
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	14	0.84
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	14	0.84
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	14	0.84
(1,2302)	1:B:43:VAL:HG21	1:B:43:VAL:H	6	0.84
(1,2302)	1:B:43:VAL:HG22	1:B:43:VAL:H	6	0.84
(1,2302)	1:B:43:VAL:HG23	1:B:43:VAL:H	6	0.84
(1,2121)	1:B:52:HIS:HB2	1:B:56:GLN:HB3	2	0.84
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	13	0.84
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	13	0.84
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	13	0.84
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	5	0.84
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	5	0.84
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	5	0.84
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	9	0.84
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	9	0.84
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	9	0.84
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	18	0.84
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	18	0.84
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	18	0.84
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	13	0.84
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	13	0.84
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	13	0.84
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	13	0.84
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	13	0.84
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	13	0.84
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	3	0.84
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	3	0.84
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	13	0.84
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	13	0.84
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	13	0.84
(1,1730)	1:B:85:GLN:HG3	1:B:118:LEU:HG	2	0.84
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	12	0.84
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	12	0.84
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	12	0.84
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	4	0.84
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	4	0.84
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	4	0.84
(1,1250)	1:B:115:VAL:HG21	1:B:116:ASP:H	20	0.84
(1,1250)	1:B:115:VAL:HG22	1:B:116:ASP:H	20	0.84
(1,1250)	1:B:115:VAL:HG23	1:B:116:ASP:H	20	0.84
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	15	0.84
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	15	0.84
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	15	0.84
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	1	0.84
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	1	0.84
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	1	0.84
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	1	0.84
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	1	0.84
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	1	0.84
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	1	0.84
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	1	0.84
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	1	0.84
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	11	0.83
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	11	0.83
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	11	0.83
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	11	0.83
(3,97)	1:B:108:LYS:H	1:B:108:LYS:HG2	11	0.83
(3,97)	1:B:50:ILE:H	1:B:45:ARG:HG2	11	0.83
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	8	0.83
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	8	0.83
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	8	0.83
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	8	0.83
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	8	0.83
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	8	0.83
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	10	0.83
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	10	0.83
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	10	0.83
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	10	0.83
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	10	0.83
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	1	0.83
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	1	0.83
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	1	0.83
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	1	0.83
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	1	0.83
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	1	0.83
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	1	0.83
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	1	0.83
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	1	0.83
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	13	0.83
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	13	0.83
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	13	0.83
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD11	11	0.83
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD12	11	0.83
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD13	11	0.83
(3,261)	1:B:117:LYS:H	1:B:123:LEU:HB2	11	0.83
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	3	0.83
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	3	0.83
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	3	0.83
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	3	0.83
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	3	0.83
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	3	0.83
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	3	0.83
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	3	0.83
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	3	0.83
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	3	0.83
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	3	0.83
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	3	0.83
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	10	0.83
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	10	0.83
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	10	0.83
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	10	0.83
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	10	0.83
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	10	0.83
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	5	0.83
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	5	0.83
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	5	0.83
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	9	0.83
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	9	0.83
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	9	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	1	0.83
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	1	0.83
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	4	0.83
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	4	0.83
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	4	0.83
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	4	0.83
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	4	0.83
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	4	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	5	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	5	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	5	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	5	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	5	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	5	0.83
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	5	0.83
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	5	0.83
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	5	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	5	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	5	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	5	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	5	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	5	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	5	0.83
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	5	0.83
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	5	0.83
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	5	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	13	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	13	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	13	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	13	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	13	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	13	0.83
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	13	0.83
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	13	0.83
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	13	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	13	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	13	0.83
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	13	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	13	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	13	0.83
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	13	0.83
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	13	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	13	0.83
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	13	0.83
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	5	0.83
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	5	0.83
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	5	0.83
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	4	0.83
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	9	0.83
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	15	0.83
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	19	0.83
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	12	0.83
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	12	0.83
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	12	0.83
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	19	0.83
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	19	0.83
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	19	0.83
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	9	0.83
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	9	0.83
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	9	0.83
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	6	0.83
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	6	0.83
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	6	0.83
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	4	0.83
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	4	0.83
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	4	0.83
(1,2081)	1:B:54:LEU:HD11	1:B:33:VAL:HB	3	0.83
(1,2081)	1:B:54:LEU:HD12	1:B:33:VAL:HB	3	0.83
(1,2081)	1:B:54:LEU:HD13	1:B:33:VAL:HB	3	0.83
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	6	0.83
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	6	0.83
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	6	0.83
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	6	0.83
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	6	0.83
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	6	0.83
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	12	0.83
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	12	0.83
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	12	0.83
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	10	0.83
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	10	0.83
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	10	0.83
(1,1603)	1:B:66:PHE:HE1	1:B:65:ASP:HB3	11	0.83
(1,1603)	1:B:66:PHE:HE2	1:B:65:ASP:HB3	11	0.83
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD2	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD3	6	0.83
(1,1406)	1:B:105:ILE:HG21	1:B:80:GLN:HE21	12	0.83
(1,1406)	1:B:105:ILE:HG22	1:B:80:GLN:HE21	12	0.83
(1,1406)	1:B:105:ILE:HG23	1:B:80:GLN:HE21	12	0.83
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG11	3	0.83
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG12	3	0.83
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG13	3	0.83
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG21	3	0.83
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG22	3	0.83
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG23	3	0.83
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD1	17	0.83
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD2	17	0.83
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD1	17	0.83
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD2	17	0.83
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD1	17	0.83
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD2	17	0.83
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HZ	17	0.83
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HZ	17	0.83
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HZ	17	0.83
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	5	0.82
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	5	0.82
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	5	0.82
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	5	0.82
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	5	0.82
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	5	0.82
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	5	0.82
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	5	0.82
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	5	0.82
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	5	0.82
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	5	0.82
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	5	0.82
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	9	0.82
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	9	0.82
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	9	0.82
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	9	0.82
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	2	0.82
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	2	0.82
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	2	0.82
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	2	0.82
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	11	0.82
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	11	0.82
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	11	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	11	0.82
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	11	0.82
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	11	0.82
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	11	0.82
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	11	0.82
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	11	0.82
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	11	0.82
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	10	0.82
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	10	0.82
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	9	0.82
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	9	0.82
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	10	0.82
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	10	0.82
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	14	0.82
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	14	0.82
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	14	0.82
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	14	0.82
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	14	0.82
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	14	0.82
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	15	0.82
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	15	0.82
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	15	0.82
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	15	0.82
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	15	0.82
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	15	0.82
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	6	0.82
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	6	0.82
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	6	0.82
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	6	0.82
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	6	0.82
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	6	0.82
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	15	0.82
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	15	0.82
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	15	0.82
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	15	0.82
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	15	0.82
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	15	0.82
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	15	0.82
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	15	0.82
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	15	0.82
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	15	0.82
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	15	0.82
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	15	0.82
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	15	0.82
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	15	0.82
(3,1171)	1:B:74:VAL:HG11	1:B:76:TRP:HE1	6	0.82
(3,1171)	1:B:74:VAL:HG12	1:B:76:TRP:HE1	6	0.82
(3,1171)	1:B:74:VAL:HG13	1:B:76:TRP:HE1	6	0.82
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD11	6	0.82
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD12	6	0.82
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD13	6	0.82
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD11	6	0.82
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD12	6	0.82
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD13	6	0.82
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD11	6	0.82
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD12	6	0.82
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD13	6	0.82
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	2	0.82
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	2	0.82
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	2	0.82
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	2	0.82
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	10	0.82
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	12	0.82
(1,2736)	1:B:76:TRP:HH2	1:B:114:ILE:HG13	5	0.82
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	7	0.82
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	7	0.82
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	7	0.82
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	6	0.82
(1,2302)	1:B:43:VAL:HG21	1:B:43:VAL:H	10	0.82
(1,2302)	1:B:43:VAL:HG22	1:B:43:VAL:H	10	0.82
(1,2302)	1:B:43:VAL:HG23	1:B:43:VAL:H	10	0.82
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG21	3	0.82
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG22	3	0.82
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG23	3	0.82
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG21	3	0.82
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG22	3	0.82
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG23	3	0.82
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG21	3	0.82
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG22	3	0.82
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG23	3	0.82
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG21	18	0.82
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG22	18	0.82
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG23	18	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	8	0.82
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	8	0.82
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	8	0.82
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	8	0.82
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	8	0.82
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	8	0.82
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	8	0.82
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	8	0.82
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	8	0.82
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	10	0.82
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	14	0.82
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	14	0.82
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	14	0.82
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	12	0.82
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG11	4	0.82
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG12	4	0.82
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG13	4	0.82
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD3	2	0.82
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD2	2	0.82
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD3	2	0.82
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD2	2	0.82
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	13	0.82
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	13	0.82
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	13	0.82
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	13	0.82
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	13	0.82
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	13	0.82
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	13	0.82
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	13	0.82
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	13	0.82
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	13	0.82
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	13	0.82
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	13	0.82
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	1	0.82
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	1	0.82
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	1	0.82
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	9	0.81
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	9	0.81
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	9	0.81
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	9	0.81
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	13	0.81
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	13	0.81
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	13	0.81
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	13	0.81
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	13	0.81
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	13	0.81
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	13	0.81
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	13	0.81
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	13	0.81
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	13	0.81
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	13	0.81
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	19	0.81
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	19	0.81
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	19	0.81
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	19	0.81
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	19	0.81
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	19	0.81
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	19	0.81
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	6	0.81
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	6	0.81
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	6	0.81
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	6	0.81
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	6	0.81
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	6	0.81
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	6	0.81
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	6	0.81
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	6	0.81
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD21	7	0.81
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD22	7	0.81
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD23	7	0.81
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD21	7	0.81
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD22	7	0.81
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD23	7	0.81
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD21	7	0.81
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD22	7	0.81
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD23	7	0.81
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG11	7	0.81
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG12	7	0.81
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG13	7	0.81
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD21	7	0.81
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD22	7	0.81
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD23	7	0.81
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG11	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG12	7	0.81
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG13	7	0.81
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	14	0.81
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	14	0.81
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	14	0.81
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	14	0.81
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	14	0.81
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	14	0.81
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	18	0.81
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	18	0.81
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	18	0.81
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	18	0.81
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	10	0.81
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	10	0.81
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	10	0.81
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	10	0.81
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	10	0.81
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	10	0.81
(3,1248)	1:B:89:GLU:HB2	1:B:90:GLU:HG3	20	0.81
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG3	20	0.81
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG2	20	0.81
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	16	0.81
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	16	0.81
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	16	0.81
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	16	0.81
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	16	0.81
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	16	0.81
(3,1182)	1:B:74:VAL:HG21	1:B:109:ARG:HB2	14	0.81
(3,1182)	1:B:74:VAL:HG22	1:B:109:ARG:HB2	14	0.81
(3,1182)	1:B:74:VAL:HG23	1:B:109:ARG:HB2	14	0.81
(3,1182)	1:B:74:VAL:HG21	1:B:73:ILE:HB	14	0.81
(3,1182)	1:B:74:VAL:HG22	1:B:73:ILE:HB	14	0.81
(3,1182)	1:B:74:VAL:HG23	1:B:73:ILE:HB	14	0.81
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	14	0.81
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	14	0.81
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	20	0.81
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	20	0.81
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	20	0.81
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG21	9	0.81
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG22	9	0.81
(1,984)	1:B:130:LEU:HD11	1:B:124:VAL:HG23	9	0.81
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG21	9	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG22	9	0.81
(1,984)	1:B:130:LEU:HD12	1:B:124:VAL:HG23	9	0.81
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG21	9	0.81
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG22	9	0.81
(1,984)	1:B:130:LEU:HD13	1:B:124:VAL:HG23	9	0.81
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	7	0.81
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	13	0.81
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	13	0.81
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	13	0.81
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	17	0.81
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	17	0.81
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	17	0.81
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	19	0.81
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG21	10	0.81
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG22	10	0.81
(1,2274)	1:B:43:VAL:HG21	1:B:42:THR:HG23	10	0.81
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG21	10	0.81
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG22	10	0.81
(1,2274)	1:B:43:VAL:HG22	1:B:42:THR:HG23	10	0.81
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG21	10	0.81
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG22	10	0.81
(1,2274)	1:B:43:VAL:HG23	1:B:42:THR:HG23	10	0.81
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	19	0.81
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	19	0.81
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	19	0.81
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	1	0.81
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	1	0.81
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	1	0.81
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	7	0.81
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	7	0.81
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	7	0.81
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	7	0.81
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	7	0.81
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	7	0.81
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE1	8	0.81
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE2	8	0.81
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	3	0.81
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	3	0.81
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	3	0.81
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	12	0.81
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	12	0.81
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	12	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	12	0.81
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	12	0.81
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	12	0.81
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	12	0.81
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	12	0.81
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	12	0.81
(3,384)	1:B:82:LEU:HD11	1:B:83:GLU:HG3	1	0.8
(3,384)	1:B:82:LEU:HD12	1:B:83:GLU:HG3	1	0.8
(3,384)	1:B:82:LEU:HD13	1:B:83:GLU:HG3	1	0.8
(3,384)	1:B:40:LEU:HD21	1:B:13:GLU:HG3	1	0.8
(3,384)	1:B:40:LEU:HD22	1:B:13:GLU:HG3	1	0.8
(3,384)	1:B:40:LEU:HD23	1:B:13:GLU:HG3	1	0.8
(3,384)	1:B:82:LEU:HD11	1:B:83:GLU:HB2	1	0.8
(3,384)	1:B:82:LEU:HD12	1:B:83:GLU:HB2	1	0.8
(3,384)	1:B:82:LEU:HD13	1:B:83:GLU:HB2	1	0.8
(3,384)	1:B:40:LEU:HD21	1:B:13:GLU:HG2	1	0.8
(3,384)	1:B:40:LEU:HD22	1:B:13:GLU:HG2	1	0.8
(3,384)	1:B:40:LEU:HD23	1:B:13:GLU:HG2	1	0.8
(3,384)	1:B:82:LEU:HD11	1:B:83:GLU:HG3	16	0.8
(3,384)	1:B:82:LEU:HD12	1:B:83:GLU:HG3	16	0.8
(3,384)	1:B:82:LEU:HD13	1:B:83:GLU:HG3	16	0.8
(3,384)	1:B:40:LEU:HD21	1:B:13:GLU:HG3	16	0.8
(3,384)	1:B:40:LEU:HD22	1:B:13:GLU:HG3	16	0.8
(3,384)	1:B:40:LEU:HD23	1:B:13:GLU:HG3	16	0.8
(3,384)	1:B:82:LEU:HD11	1:B:83:GLU:HB2	16	0.8
(3,384)	1:B:82:LEU:HD12	1:B:83:GLU:HB2	16	0.8
(3,384)	1:B:82:LEU:HD13	1:B:83:GLU:HB2	16	0.8
(3,384)	1:B:40:LEU:HD21	1:B:13:GLU:HG2	16	0.8
(3,384)	1:B:40:LEU:HD22	1:B:13:GLU:HG2	16	0.8
(3,384)	1:B:40:LEU:HD23	1:B:13:GLU:HG2	16	0.8
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	4	0.8
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	4	0.8
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	4	0.8
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	4	0.8
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	16	0.8
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	16	0.8
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	16	0.8
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	16	0.8
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	17	0.8
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	17	0.8
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	17	0.8
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	17	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	17	0.8
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	17	0.8
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	17	0.8
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	17	0.8
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	17	0.8
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	19	0.8
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	19	0.8
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	19	0.8
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	19	0.8
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	19	0.8
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	19	0.8
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	19	0.8
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	19	0.8
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	19	0.8
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	1	0.8
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	1	0.8
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	1	0.8
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	1	0.8
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	1	0.8
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	1	0.8
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	5	0.8
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	5	0.8
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	5	0.8
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	5	0.8
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	5	0.8
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	5	0.8
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	5	0.8
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	5	0.8
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	5	0.8
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	5	0.8
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	5	0.8
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	5	0.8
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	5	0.8
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	5	0.8
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	5	0.8
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	5	0.8
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	5	0.8
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	5	0.8
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	4	0.8
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	4	0.8
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	4	0.8
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	12	0.8
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	12	0.8
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	12	0.8
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	1	0.8
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	1	0.8
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	1	0.8
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	17	0.8
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	17	0.8
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	17	0.8
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	17	0.8
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	17	0.8
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	17	0.8
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	17	0.8
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	17	0.8
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	17	0.8
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	20	0.8
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	20	0.8
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	20	0.8
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	20	0.8
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	20	0.8
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	20	0.8
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	20	0.8
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	20	0.8
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	20	0.8
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	20	0.8
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	20	0.8
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	20	0.8
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	20	0.8
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	20	0.8
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	20	0.8
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	20	0.8
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	20	0.8
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	20	0.8
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	11	0.8
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	11	0.8
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	11	0.8
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	3	0.8
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	15	0.8
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	17	0.8
(1,379)	1:B:59:LEU:H	1:B:59:LEU:HB2	4	0.8
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	8	0.8
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	6	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	9	0.8
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	9	0.8
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	9	0.8
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	12	0.8
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	12	0.8
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	12	0.8
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	12	0.8
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	12	0.8
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	12	0.8
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	20	0.8
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	20	0.8
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	20	0.8
(1,1807)	1:B:27:VAL:HG21	1:B:30:GLN:HB3	6	0.8
(1,1807)	1:B:27:VAL:HG22	1:B:30:GLN:HB3	6	0.8
(1,1807)	1:B:27:VAL:HG23	1:B:30:GLN:HB3	6	0.8
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	6	0.8
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	6	0.8
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	6	0.8
(1,1517)	1:B:97:VAL:HG11	1:B:98:LEU:HB2	8	0.8
(1,1517)	1:B:97:VAL:HG12	1:B:98:LEU:HB2	8	0.8
(1,1517)	1:B:97:VAL:HG13	1:B:98:LEU:HB2	8	0.8
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	18	0.8
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	18	0.8
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	18	0.8
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	11	0.8
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	11	0.8
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	11	0.8
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	14	0.8
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	14	0.8
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	14	0.8
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	4	0.8
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	4	0.8
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	4	0.8
(1,1250)	1:B:115:VAL:HG21	1:B:116:ASP:H	13	0.8
(1,1250)	1:B:115:VAL:HG22	1:B:116:ASP:H	13	0.8
(1,1250)	1:B:115:VAL:HG23	1:B:116:ASP:H	13	0.8
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD1	18	0.8
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD2	18	0.8
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD1	18	0.8
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD2	18	0.8
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD1	18	0.8
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD2	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HZ	18	0.8
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HZ	18	0.8
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HZ	18	0.8
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	11	0.8
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	11	0.8
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	11	0.8
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	2	0.79
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	2	0.79
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	2	0.79
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	2	0.79
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	2	0.79
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	2	0.79
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	6	0.79
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	6	0.79
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	6	0.79
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	6	0.79
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	6	0.79
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	6	0.79
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	6	0.79
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	14	0.79
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	14	0.79
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	14	0.79
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	14	0.79
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	17	0.79
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	17	0.79
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	17	0.79
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	17	0.79
(3,1763)	1:B:17:LEU:HD11	1:B:36:ILE:HB	10	0.79
(3,1763)	1:B:17:LEU:HD12	1:B:36:ILE:HB	10	0.79
(3,1763)	1:B:17:LEU:HD13	1:B:36:ILE:HB	10	0.79
(3,1763)	1:B:17:LEU:HD11	1:B:50:ILE:HB	10	0.79
(3,1763)	1:B:17:LEU:HD12	1:B:50:ILE:HB	10	0.79
(3,1763)	1:B:17:LEU:HD13	1:B:50:ILE:HB	10	0.79
(3,1763)	1:B:17:LEU:HD11	1:B:36:ILE:HG13	10	0.79
(3,1763)	1:B:17:LEU:HD12	1:B:36:ILE:HG13	10	0.79
(3,1763)	1:B:17:LEU:HD13	1:B:36:ILE:HG13	10	0.79
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	9	0.79
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	9	0.79
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	9	0.79
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	9	0.79
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	9	0.79
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	9	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	1	0.79
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	1	0.79
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	16	0.79
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	16	0.79
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	9	0.79
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	9	0.79
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	9	0.79
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	11	0.79
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	11	0.79
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	11	0.79
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	11	0.79
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	11	0.79
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	11	0.79
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	11	0.79
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	11	0.79
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	11	0.79
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	11	0.79
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	11	0.79
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	11	0.79
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	11	0.79
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	11	0.79
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	11	0.79
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	11	0.79
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	11	0.79
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	11	0.79
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	9	0.79
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	9	0.79
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	9	0.79
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	9	0.79
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	9	0.79
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	9	0.79
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	9	0.79
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	9	0.79
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	9	0.79
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	8	0.79
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	8	0.79
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	8	0.79
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	8	0.79
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	8	0.79
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	8	0.79
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	8	0.79
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	8	0.79
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	8	0.79
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	8	0.79
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	8	0.79
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD21	6	0.79
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD22	6	0.79
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD23	6	0.79
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	15	0.79
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	16	0.79
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	16	0.79
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	16	0.79
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	4	0.79
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	4	0.79
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	4	0.79
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	10	0.79
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	10	0.79
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	10	0.79
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB1	6	0.79
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB2	6	0.79
(1,483)	1:B:76:TRP:HE1	1:B:107:ALA:HB3	6	0.79
(1,449)	1:B:68:ARG:H	1:B:67:GLN:HB3	1	0.79
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	13	0.79
(1,2710)	1:B:87:LEU:HD11	1:B:104:ASN:HB2	15	0.79
(1,2710)	1:B:87:LEU:HD12	1:B:104:ASN:HB2	15	0.79
(1,2710)	1:B:87:LEU:HD13	1:B:104:ASN:HB2	15	0.79
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	7	0.79
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	7	0.79
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	7	0.79
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD21	6	0.79
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD22	6	0.79
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD23	6	0.79
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	6	0.79
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	13	0.79
(1,2197)	1:B:49:GLN:HG2	1:B:45:ARG:HG3	11	0.79
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	17	0.79
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	17	0.79
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	17	0.79
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	19	0.79
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	19	0.79
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	19	0.79
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	14	0.79
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	14	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	14	0.79
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	6	0.79
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	6	0.79
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	6	0.79
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	13	0.79
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	13	0.79
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	13	0.79
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD2	10	0.79
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD3	10	0.79
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	8	0.79
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	8	0.79
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	8	0.79
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	6	0.79
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	6	0.79
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	6	0.79
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	19	0.79
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	19	0.79
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	19	0.79
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD1	19	0.79
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD2	19	0.79
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD1	19	0.79
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD2	19	0.79
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD1	19	0.79
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD2	19	0.79
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HZ	19	0.79
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HZ	19	0.79
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HZ	19	0.79
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	2	0.79
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	2	0.79
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	2	0.79
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	2	0.79
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	2	0.79
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	2	0.79
(1,1230)	1:B:115:VAL:HG21	1:B:116:ASP:HB2	13	0.79
(1,1230)	1:B:115:VAL:HG22	1:B:116:ASP:HB2	13	0.79
(1,1230)	1:B:115:VAL:HG23	1:B:116:ASP:HB2	13	0.79
(3,97)	1:B:108:LYS:H	1:B:108:LYS:HG2	20	0.78
(3,97)	1:B:50:ILE:H	1:B:45:ARG:HG2	20	0.78
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	2	0.78
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	2	0.78
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	2	0.78
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	2	0.78
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	2	0.78
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	2	0.78
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	2	0.78
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	2	0.78
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	2	0.78
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	2	0.78
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	2	0.78
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	18	0.78
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	18	0.78
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	18	0.78
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	18	0.78
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	18	0.78
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	18	0.78
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	18	0.78
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	18	0.78
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	18	0.78
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	18	0.78
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	18	0.78
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	18	0.78
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	9	0.78
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	9	0.78
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	9	0.78
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	9	0.78
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	9	0.78
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	9	0.78
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	9	0.78
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	9	0.78
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	9	0.78
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	9	0.78
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	9	0.78
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	9	0.78
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	18	0.78
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	18	0.78
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	18	0.78
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	18	0.78
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	19	0.78
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	19	0.78
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	19	0.78
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	19	0.78
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	19	0.78
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	19	0.78
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	19	0.78
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	19	0.78
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD11	6	0.78
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD12	6	0.78
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD13	6	0.78
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG21	6	0.78
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG22	6	0.78
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG23	6	0.78
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG21	6	0.78
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG22	6	0.78
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG23	6	0.78
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	7	0.78
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	7	0.78
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	7	0.78
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	7	0.78
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	7	0.78
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	7	0.78
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	7	0.78
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	7	0.78
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	7	0.78
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	18	0.78
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	18	0.78
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	18	0.78
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	11	0.78
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	11	0.78
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	18	0.78
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	18	0.78
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	18	0.78
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	18	0.78
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	18	0.78
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	18	0.78
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	18	0.78
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	18	0.78
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	18	0.78
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	18	0.78
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	18	0.78
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	18	0.78
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	12	0.78
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	12	0.78
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	12	0.78
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	12	0.78
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	12	0.78
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	13	0.78
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	13	0.78
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	13	0.78
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	13	0.78
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	13	0.78
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	13	0.78
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	14	0.78
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	14	0.78
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	14	0.78
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	14	0.78
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	14	0.78
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	14	0.78
(3,1182)	1:B:74:VAL:HG21	1:B:109:ARG:HB2	1	0.78
(3,1182)	1:B:74:VAL:HG22	1:B:109:ARG:HB2	1	0.78
(3,1182)	1:B:74:VAL:HG23	1:B:109:ARG:HB2	1	0.78
(3,1182)	1:B:74:VAL:HG21	1:B:73:ILE:HB	1	0.78
(3,1182)	1:B:74:VAL:HG22	1:B:73:ILE:HB	1	0.78
(3,1182)	1:B:74:VAL:HG23	1:B:73:ILE:HB	1	0.78
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	3	0.78
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	3	0.78
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	3	0.78
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	12	0.78
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	12	0.78
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	12	0.78
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	12	0.78
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	18	0.78
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	18	0.78
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	18	0.78
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	1	0.78
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	1	0.78
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	1	0.78
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	15	0.78
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	5	0.78
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	5	0.78
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	5	0.78
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	4	0.78
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	4	0.78
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	4	0.78
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	20	0.78
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	20	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	20	0.78
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	12	0.78
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	12	0.78
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	12	0.78
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	9	0.78
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	11	0.78
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	18	0.78
(1,2302)	1:B:43:VAL:HG21	1:B:43:VAL:H	1	0.78
(1,2302)	1:B:43:VAL:HG22	1:B:43:VAL:H	1	0.78
(1,2302)	1:B:43:VAL:HG23	1:B:43:VAL:H	1	0.78
(1,2178)	1:B:50:ILE:HD11	1:B:45:ARG:HG3	4	0.78
(1,2178)	1:B:50:ILE:HD12	1:B:45:ARG:HG3	4	0.78
(1,2178)	1:B:50:ILE:HD13	1:B:45:ARG:HG3	4	0.78
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	18	0.78
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	18	0.78
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	18	0.78
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	18	0.78
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	18	0.78
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	18	0.78
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	18	0.78
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	18	0.78
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	18	0.78
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	17	0.78
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG21	7	0.78
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG22	7	0.78
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG23	7	0.78
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	7	0.78
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	17	0.78
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	17	0.78
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	17	0.78
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	17	0.78
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	17	0.78
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	17	0.78
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	15	0.78
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	15	0.78
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	15	0.78
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG21	1	0.78
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG22	1	0.78
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG23	1	0.78
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	19	0.78
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	19	0.78
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	16	0.78
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	16	0.78
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	16	0.78
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	16	0.78
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	16	0.78
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	16	0.78
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	15	0.78
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	15	0.78
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	15	0.78
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	20	0.78
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	20	0.78
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	20	0.78
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	1	0.78
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	1	0.78
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	1	0.78
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	18	0.78
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	18	0.78
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	18	0.78
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	17	0.78
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	17	0.78
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	17	0.78
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	17	0.78
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	17	0.78
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	17	0.78
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	17	0.78
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	17	0.78
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	17	0.78
(3,829)	1:B:31:ASP:HB3	1:B:67:GLN:H	4	0.77
(3,829)	1:B:31:ASP:HB3	1:B:30:GLN:HE22	4	0.77
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD11	13	0.77
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD12	13	0.77
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD13	13	0.77
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD11	13	0.77
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD12	13	0.77
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD13	13	0.77
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	20	0.77
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	20	0.77
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	20	0.77
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG3	15	0.77
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG2	15	0.77
(3,439)	1:B:14:GLU:HB3	1:B:17:LEU:HG	15	0.77
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	12	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	12	0.77
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	12	0.77
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	12	0.77
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	12	0.77
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	12	0.77
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	8	0.77
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	8	0.77
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	8	0.77
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	8	0.77
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	19	0.77
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	19	0.77
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	19	0.77
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	19	0.77
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	19	0.77
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	19	0.77
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	1	0.77
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	1	0.77
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	7	0.77
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	7	0.77
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	7	0.77
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	7	0.77
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	7	0.77
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	7	0.77
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	7	0.77
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	7	0.77
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	7	0.77
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	7	0.77
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	7	0.77
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	7	0.77
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	13	0.77
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	13	0.77
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	13	0.77
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	13	0.77
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	13	0.77
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	13	0.77
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	13	0.77
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	13	0.77
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	13	0.77
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	13	0.77
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	13	0.77
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	13	0.77
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	12	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	12	0.77
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	12	0.77
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	12	0.77
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	12	0.77
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	12	0.77
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	8	0.77
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	8	0.77
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	8	0.77
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	8	0.77
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	8	0.77
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	8	0.77
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	9	0.77
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	9	0.77
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	9	0.77
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	9	0.77
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	9	0.77
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	9	0.77
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	9	0.77
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	9	0.77
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	9	0.77
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	5	0.77
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	5	0.77
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	5	0.77
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	5	0.77
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	5	0.77
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	5	0.77
(3,1180)	1:B:74:VAL:HG21	1:B:76:TRP:HZ3	6	0.77
(3,1180)	1:B:74:VAL:HG22	1:B:76:TRP:HZ3	6	0.77
(3,1180)	1:B:74:VAL:HG23	1:B:76:TRP:HZ3	6	0.77
(3,1180)	1:B:74:VAL:HG21	1:B:72:HIS:HD2	6	0.77
(3,1180)	1:B:74:VAL:HG22	1:B:72:HIS:HD2	6	0.77
(3,1180)	1:B:74:VAL:HG23	1:B:72:HIS:HD2	6	0.77
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	3	0.77
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	3	0.77
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	3	0.77
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	3	0.77
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	3	0.77
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	3	0.77
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	7	0.77
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	7	0.77
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	7	0.77
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	13	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	13	0.77
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	13	0.77
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	2	0.77
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	2	0.77
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	8	0.77
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	3	0.77
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	3	0.77
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	3	0.77
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	6	0.77
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	6	0.77
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	6	0.77
(1,2302)	1:B:43:VAL:HG21	1:B:43:VAL:H	7	0.77
(1,2302)	1:B:43:VAL:HG22	1:B:43:VAL:H	7	0.77
(1,2302)	1:B:43:VAL:HG23	1:B:43:VAL:H	7	0.77
(1,2294)	1:B:43:VAL:HG11	1:B:44:PRO:HD2	3	0.77
(1,2294)	1:B:43:VAL:HG12	1:B:44:PRO:HD2	3	0.77
(1,2294)	1:B:43:VAL:HG13	1:B:44:PRO:HD2	3	0.77
(1,2210)	1:B:48:LYS:HG2	1:B:49:GLN:HG2	4	0.77
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	2	0.77
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	2	0.77
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	2	0.77
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	2	0.77
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	2	0.77
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	2	0.77
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	2	0.77
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	2	0.77
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	2	0.77
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	10	0.77
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	10	0.77
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	10	0.77
(1,1644)	1:B:89:GLU:HG3	1:B:92:ARG:HD2	4	0.77
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD3	3	0.77
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD2	3	0.77
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD3	3	0.77
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD2	3	0.77
(1,1549)	1:B:65:ASP:HB3	1:B:64:LYS:HB2	12	0.77
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	3	0.77
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	3	0.77
(1,1323)	1:B:109:ARG:HB2	1:B:114:ILE:H	3	0.77
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	16	0.77
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	16	0.77
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	16	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	16	0.77
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	16	0.77
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	16	0.77
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	7	0.76
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	7	0.76
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	7	0.76
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	7	0.76
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	3	0.76
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	3	0.76
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	3	0.76
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	3	0.76
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	3	0.76
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	3	0.76
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	3	0.76
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	3	0.76
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	3	0.76
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	7	0.76
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	7	0.76
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	7	0.76
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	7	0.76
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	7	0.76
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	7	0.76
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	7	0.76
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	7	0.76
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	7	0.76
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	4	0.76
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	4	0.76
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	4	0.76
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	4	0.76
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	4	0.76
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	4	0.76
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	14	0.76
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	14	0.76
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	14	0.76
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	14	0.76
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	14	0.76
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	14	0.76
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	4	0.76
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	4	0.76
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	4	0.76
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	4	0.76
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	4	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	4	0.76
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD21	4	0.76
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD22	4	0.76
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD23	4	0.76
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG11	4	0.76
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG12	4	0.76
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG13	4	0.76
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	14	0.76
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	14	0.76
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	14	0.76
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	14	0.76
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	14	0.76
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	14	0.76
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	7	0.76
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	7	0.76
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	7	0.76
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	7	0.76
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	7	0.76
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	7	0.76
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	9	0.76
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	9	0.76
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	9	0.76
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	9	0.76
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	9	0.76
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	9	0.76
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	13	0.76
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	13	0.76
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	13	0.76
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	13	0.76
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	13	0.76
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	13	0.76
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	13	0.76
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	13	0.76
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	13	0.76
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	13	0.76
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	13	0.76
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	13	0.76
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	13	0.76
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	13	0.76
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	13	0.76
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	10	0.76
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	10	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	10	0.76
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	18	0.76
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	18	0.76
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	18	0.76
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	18	0.76
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	18	0.76
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	18	0.76
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	18	0.76
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	18	0.76
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	18	0.76
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	18	0.76
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	18	0.76
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	18	0.76
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	18	0.76
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	18	0.76
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	18	0.76
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	18	0.76
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	18	0.76
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	18	0.76
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	5	0.76
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	10	0.76
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	10	0.76
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	16	0.76
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	16	0.76
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	5	0.76
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	5	0.76
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	5	0.76
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	1	0.76
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	1	0.76
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	1	0.76
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	8	0.76
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	8	0.76
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	8	0.76
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	8	0.76
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	8	0.76
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	8	0.76
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	2	0.76
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	2	0.76
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	2	0.76
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	12	0.76
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	4	0.76
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	13	0.76
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	13	0.76
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	13	0.76
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	13	0.76
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	13	0.76
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	1	0.76
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	1	0.76
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	1	0.76
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	1	0.76
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	1	0.76
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	1	0.76
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	20	0.76
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	20	0.76
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	20	0.76
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD21	8	0.76
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD22	8	0.76
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD23	8	0.76
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD21	8	0.76
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD22	8	0.76
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD23	8	0.76
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD21	8	0.76
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD22	8	0.76
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD23	8	0.76
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	1	0.76
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	1	0.76
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	1	0.76
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	19	0.76
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	19	0.76
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	19	0.76
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	19	0.76
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	19	0.76
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	19	0.76
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	19	0.76
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	19	0.76
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	19	0.76
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	14	0.75
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	14	0.75
(3,865)	1:B:101:ILE:HD11	1:B:102:MET:HG3	10	0.75
(3,865)	1:B:101:ILE:HD12	1:B:102:MET:HG3	10	0.75
(3,865)	1:B:101:ILE:HD13	1:B:102:MET:HG3	10	0.75
(3,865)	1:B:105:ILE:HD11	1:B:102:MET:HG3	10	0.75
(3,865)	1:B:105:ILE:HD12	1:B:102:MET:HG3	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,865)	1:B:105:ILE:HD13	1:B:102:MET:HG3	10	0.75
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	13	0.75
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	13	0.75
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	13	0.75
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	13	0.75
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	13	0.75
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	13	0.75
(3,602)	1:B:121:LEU:HD11	1:B:85:GLN:HG2	16	0.75
(3,602)	1:B:121:LEU:HD12	1:B:85:GLN:HG2	16	0.75
(3,602)	1:B:121:LEU:HD13	1:B:85:GLN:HG2	16	0.75
(3,602)	1:B:121:LEU:HD11	1:B:89:GLU:HG3	16	0.75
(3,602)	1:B:121:LEU:HD12	1:B:89:GLU:HG3	16	0.75
(3,602)	1:B:121:LEU:HD13	1:B:89:GLU:HG3	16	0.75
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	3	0.75
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	3	0.75
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	3	0.75
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	3	0.75
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	3	0.75
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	3	0.75
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	3	0.75
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	3	0.75
(3,325)	1:B:141:SER:H	1:B:124:VAL:HB	19	0.75
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB3	19	0.75
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB2	19	0.75
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	3	0.75
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	3	0.75
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	3	0.75
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	3	0.75
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	3	0.75
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	3	0.75
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	3	0.75
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	3	0.75
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	3	0.75
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	3	0.75
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	3	0.75
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	3	0.75
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	2	0.75
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	2	0.75
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	18	0.75
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	18	0.75
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	18	0.75
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	18	0.75
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	18	0.75
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	18	0.75
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	18	0.75
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	18	0.75
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	19	0.75
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	19	0.75
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	19	0.75
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	19	0.75
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	19	0.75
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	19	0.75
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	19	0.75
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	19	0.75
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	19	0.75
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	19	0.75
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	19	0.75
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	19	0.75
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	19	0.75
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	19	0.75
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	19	0.75
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	19	0.75
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	19	0.75
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	19	0.75
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG11	5	0.75
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG12	5	0.75
(1,983)	1:B:130:LEU:HD11	1:B:124:VAL:HG13	5	0.75
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG11	5	0.75
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG12	5	0.75
(1,983)	1:B:130:LEU:HD12	1:B:124:VAL:HG13	5	0.75
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG11	5	0.75
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG12	5	0.75
(1,983)	1:B:130:LEU:HD13	1:B:124:VAL:HG13	5	0.75
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	3	0.75
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	3	0.75
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	12	0.75
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	12	0.75
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	12	0.75
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	17	0.75
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	17	0.75
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	17	0.75
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	3	0.75
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	3	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	3	0.75
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG2	17	0.75
(1,825)	1:B:141:SER:H	1:B:129:GLU:HG3	17	0.75
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	15	0.75
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	19	0.75
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	19	0.75
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	19	0.75
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD21	11	0.75
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD22	11	0.75
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD23	11	0.75
(1,2556)	1:B:17:LEU:HD21	1:B:54:LEU:HA	10	0.75
(1,2556)	1:B:17:LEU:HD22	1:B:54:LEU:HA	10	0.75
(1,2556)	1:B:17:LEU:HD23	1:B:54:LEU:HA	10	0.75
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	18	0.75
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	20	0.75
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	12	0.75
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	12	0.75
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	12	0.75
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	1	0.75
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	1	0.75
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	1	0.75
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	10	0.75
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	10	0.75
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	10	0.75
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	10	0.75
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	10	0.75
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	10	0.75
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	18	0.75
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	18	0.75
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	18	0.75
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	18	0.75
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	18	0.75
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	18	0.75
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	8	0.75
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	8	0.75
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	19	0.75
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	19	0.75
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	19	0.75
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	19	0.75
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	19	0.75
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	19	0.75
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	8	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	8	0.75
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	8	0.75
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	17	0.75
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	17	0.75
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	17	0.75
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	20	0.75
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	20	0.75
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	20	0.75
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	1	0.75
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	1	0.75
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	1	0.75
(1,1230)	1:B:115:VAL:HG21	1:B:116:ASP:HB2	20	0.75
(1,1230)	1:B:115:VAL:HG22	1:B:116:ASP:HB2	20	0.75
(1,1230)	1:B:115:VAL:HG23	1:B:116:ASP:HB2	20	0.75
(1,1140)	1:B:121:LEU:HD11	1:B:118:LEU:HA	4	0.75
(1,1140)	1:B:121:LEU:HD12	1:B:118:LEU:HA	4	0.75
(1,1140)	1:B:121:LEU:HD13	1:B:118:LEU:HA	4	0.75
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	8	0.75
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	8	0.75
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	8	0.75
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	8	0.75
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	8	0.75
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	8	0.75
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	16	0.74
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	16	0.74
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	1	0.74
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	1	0.74
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	1	0.74
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	1	0.74
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	1	0.74
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	1	0.74
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	11	0.74
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	11	0.74
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	11	0.74
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	11	0.74
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	11	0.74
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	11	0.74
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	14	0.74
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	14	0.74
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	14	0.74
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	14	0.74
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	14	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	14	0.74
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	14	0.74
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	20	0.74
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	20	0.74
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	20	0.74
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	20	0.74
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	20	0.74
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	20	0.74
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	19	0.74
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB3	19	0.74
(3,318)	1:B:135:GLN:HE21	1:B:126:GLU:HG3	19	0.74
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	3	0.74
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	3	0.74
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	3	0.74
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	3	0.74
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	18	0.74
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	18	0.74
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	18	0.74
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	18	0.74
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	19	0.74
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	19	0.74
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	19	0.74
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	19	0.74
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	6	0.74
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	6	0.74
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	2	0.74
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	2	0.74
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	2	0.74
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	2	0.74
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	2	0.74
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	2	0.74
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	8	0.74
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	8	0.74
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	8	0.74
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	8	0.74
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	8	0.74
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	8	0.74
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	15	0.74
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	15	0.74
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	15	0.74
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	17	0.74
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	17	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	17	0.74
(3,1206)	1:B:73:ILE:HD11	1:B:80:GLN:HG2	12	0.74
(3,1206)	1:B:73:ILE:HD12	1:B:80:GLN:HG2	12	0.74
(3,1206)	1:B:73:ILE:HD13	1:B:80:GLN:HG2	12	0.74
(3,1206)	1:B:73:ILE:HD11	1:B:79:ASP:HB3	12	0.74
(3,1206)	1:B:73:ILE:HD12	1:B:79:ASP:HB3	12	0.74
(3,1206)	1:B:73:ILE:HD13	1:B:79:ASP:HB3	12	0.74
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	10	0.74
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	2	0.74
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	2	0.74
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	7	0.74
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	7	0.74
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	7	0.74
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	18	0.74
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	18	0.74
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	18	0.74
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	6	0.74
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	6	0.74
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	6	0.74
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	13	0.74
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	13	0.74
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	13	0.74
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	13	0.74
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	13	0.74
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	13	0.74
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	12	0.74
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	12	0.74
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	12	0.74
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	18	0.74
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	13	0.74
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	13	0.74
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	13	0.74
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	10	0.74
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	10	0.74
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	10	0.74
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	15	0.74
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	15	0.74
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	15	0.74
(1,169)	1:B:30:GLN:HE21	1:B:30:GLN:HG2	6	0.74
(1,1566)	1:B:92:ARG:HG2	1:B:93:ASP:HB3	12	0.74
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	16	0.74
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	16	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	16	0.74
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	10	0.74
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	10	0.74
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	10	0.74
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	10	0.74
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	10	0.74
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	10	0.74
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	10	0.74
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	10	0.74
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	10	0.74
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	19	0.74
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	19	0.74
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	19	0.74
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	19	0.74
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	19	0.74
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	19	0.74
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	19	0.74
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	19	0.74
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	19	0.74
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	11	0.74
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	11	0.74
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	11	0.74
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	20	0.74
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	20	0.74
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	20	0.74
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	20	0.74
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	20	0.74
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	20	0.74
(1,1224)	1:B:87:LEU:HD11	1:B:101:ILE:HA	1	0.74
(1,1224)	1:B:87:LEU:HD12	1:B:101:ILE:HA	1	0.74
(1,1224)	1:B:87:LEU:HD13	1:B:101:ILE:HA	1	0.74
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	4	0.74
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	4	0.74
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	4	0.74
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	4	0.74
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	4	0.74
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	4	0.74
(3,97)	1:B:108:LYS:H	1:B:108:LYS:HG2	10	0.73
(3,97)	1:B:50:ILE:H	1:B:45:ARG:HG2	10	0.73
(3,97)	1:B:108:LYS:H	1:B:108:LYS:HG2	14	0.73
(3,97)	1:B:50:ILE:H	1:B:45:ARG:HG2	14	0.73
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	10	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	10	0.73
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	10	0.73
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	10	0.73
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	10	0.73
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	10	0.73
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	10	0.73
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	10	0.73
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	10	0.73
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	10	0.73
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	10	0.73
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	10	0.73
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG3	1	0.73
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG2	1	0.73
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG3	1	0.73
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG2	1	0.73
(3,797)	1:B:64:LYS:HG2	1:B:65:ASP:HB3	1	0.73
(3,797)	1:B:64:LYS:HG3	1:B:65:ASP:HB3	1	0.73
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG11	10	0.73
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG12	10	0.73
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG13	10	0.73
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG11	10	0.73
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG12	10	0.73
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG13	10	0.73
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG11	10	0.73
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG12	10	0.73
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG13	10	0.73
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD11	10	0.73
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD12	10	0.73
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD13	10	0.73
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD11	10	0.73
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD12	10	0.73
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD13	10	0.73
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD11	10	0.73
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD12	10	0.73
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD13	10	0.73
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	5	0.73
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	5	0.73
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	5	0.73
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	5	0.73
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	5	0.73
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	5	0.73
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	5	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB2	9	0.73
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB3	9	0.73
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB2	9	0.73
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB3	9	0.73
(3,479)	1:B:131:TYR:HB3	1:B:128:ARG:HB2	9	0.73
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	12	0.73
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	12	0.73
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	12	0.73
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	12	0.73
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	12	0.73
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	12	0.73
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	9	0.73
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	9	0.73
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	9	0.73
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	9	0.73
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	9	0.73
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	9	0.73
(3,1821)	1:B:129:GLU:HG3	1:B:128:ARG:HD3	11	0.73
(3,1821)	1:B:129:GLU:HG2	1:B:127:ARG:HD2	11	0.73
(3,1821)	1:B:129:GLU:HG3	1:B:127:ARG:HD2	11	0.73
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	20	0.73
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	20	0.73
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	20	0.73
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	20	0.73
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	20	0.73
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	20	0.73
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	10	0.73
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	10	0.73
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	6	0.73
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	6	0.73
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	6	0.73
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	6	0.73
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	6	0.73
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	6	0.73
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	6	0.73
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	6	0.73
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	6	0.73
(3,1171)	1:B:74:VAL:HG11	1:B:76:TRP:HE1	12	0.73
(3,1171)	1:B:74:VAL:HG12	1:B:76:TRP:HE1	12	0.73
(3,1171)	1:B:74:VAL:HG13	1:B:76:TRP:HE1	12	0.73
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD11	12	0.73
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD12	12	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD13	12	0.73
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD11	12	0.73
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD12	12	0.73
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD13	12	0.73
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD11	12	0.73
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD12	12	0.73
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD13	12	0.73
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	3	0.73
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	3	0.73
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	15	0.73
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	15	0.73
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	15	0.73
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	14	0.73
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	14	0.73
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	14	0.73
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD21	17	0.73
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD22	17	0.73
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD23	17	0.73
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	1	0.73
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	13	0.73
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	12	0.73
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	12	0.73
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	12	0.73
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD1	4	0.73
(1,2466)	1:B:34:GLU:HG3	1:B:66:PHE:HD2	4	0.73
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	12	0.73
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	5	0.73
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	5	0.73
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	5	0.73
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	13	0.73
(1,2210)	1:B:48:LYS:HG2	1:B:49:GLN:HG2	5	0.73
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG21	8	0.73
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG22	8	0.73
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG23	8	0.73
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	1	0.73
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	13	0.73
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	13	0.73
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	12	0.73
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	12	0.73
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	12	0.73
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	4	0.73
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	4	0.73
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD11	3	0.73
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD12	3	0.73
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD13	3	0.73
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD21	3	0.73
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD22	3	0.73
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD23	3	0.73
(1,1577)	1:B:92:ARG:HB3	1:B:97:VAL:HB	5	0.73
(1,1558)	1:B:92:ARG:HD2	1:B:89:GLU:HB2	3	0.73
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	5	0.73
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	5	0.73
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	5	0.73
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	5	0.73
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	5	0.73
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	5	0.73
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	5	0.73
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	5	0.73
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	5	0.73
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	5	0.73
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	5	0.73
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	5	0.73
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	16	0.73
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	16	0.73
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	18	0.73
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	18	0.73
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	18	0.73
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD1	1	0.73
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD2	1	0.73
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD1	1	0.73
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD2	1	0.73
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD1	1	0.73
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD2	1	0.73
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HZ	1	0.73
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HZ	1	0.73
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HZ	1	0.73
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	12	0.73
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	12	0.73
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	12	0.73
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	4	0.73
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	4	0.73
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	4	0.73
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	3	0.73
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	3	0.73
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	3	0.73
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	3	0.73
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	3	0.73
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	3	0.73
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	3	0.73
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	3	0.73
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	15	0.73
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	15	0.73
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	15	0.73
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	2	0.72
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	2	0.72
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	2	0.72
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	2	0.72
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	2	0.72
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	2	0.72
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	2	0.72
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	2	0.72
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	2	0.72
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	20	0.72
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	20	0.72
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	20	0.72
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	20	0.72
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	20	0.72
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	20	0.72
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	8	0.72
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	8	0.72
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	8	0.72
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	8	0.72
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	8	0.72
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	8	0.72
(3,495)	1:B:130:LEU:HD11	1:B:115:VAL:HB	8	0.72
(3,495)	1:B:130:LEU:HD12	1:B:115:VAL:HB	8	0.72
(3,495)	1:B:130:LEU:HD13	1:B:115:VAL:HB	8	0.72
(3,495)	1:B:130:LEU:HD11	1:B:129:GLU:HB2	8	0.72
(3,495)	1:B:130:LEU:HD12	1:B:129:GLU:HB2	8	0.72
(3,495)	1:B:130:LEU:HD13	1:B:129:GLU:HB2	8	0.72
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	10	0.72
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	10	0.72
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	10	0.72
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	10	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	10	0.72
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	10	0.72
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	10	0.72
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	10	0.72
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	10	0.72
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	16	0.72
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	16	0.72
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	16	0.72
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	5	0.72
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	5	0.72
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	5	0.72
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	5	0.72
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	7	0.72
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	7	0.72
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	7	0.72
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	7	0.72
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD21	19	0.72
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD22	19	0.72
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD23	19	0.72
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG11	19	0.72
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG12	19	0.72
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG13	19	0.72
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	4	0.72
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	4	0.72
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	4	0.72
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	4	0.72
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	4	0.72
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	4	0.72
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	17	0.72
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	17	0.72
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	17	0.72
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	17	0.72
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	17	0.72
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	17	0.72
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	1	0.72
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	1	0.72
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	1	0.72
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	1	0.72
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	1	0.72
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	1	0.72
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	1	0.72
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	1	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	1	0.72
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	1	0.72
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	1	0.72
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	1	0.72
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	1	0.72
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	1	0.72
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	1	0.72
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	1	0.72
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	1	0.72
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	1	0.72
(3,1552)	1:B:43:VAL:HG21	1:B:42:THR:H	12	0.72
(3,1552)	1:B:43:VAL:HG22	1:B:42:THR:H	12	0.72
(3,1552)	1:B:43:VAL:HG23	1:B:42:THR:H	12	0.72
(3,1552)	1:B:43:VAL:HG21	1:B:50:ILE:H	12	0.72
(3,1552)	1:B:43:VAL:HG22	1:B:50:ILE:H	12	0.72
(3,1552)	1:B:43:VAL:HG23	1:B:50:ILE:H	12	0.72
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	12	0.72
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	12	0.72
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	12	0.72
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	12	0.72
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	12	0.72
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	12	0.72
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	1	0.72
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	1	0.72
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	1	0.72
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	1	0.72
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	1	0.72
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	1	0.72
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	15	0.72
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	15	0.72
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	15	0.72
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	15	0.72
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	15	0.72
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	15	0.72
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	15	0.72
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	15	0.72
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	15	0.72
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	15	0.72
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	15	0.72
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	15	0.72
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	15	0.72
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	15	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	15	0.72
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	15	0.72
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	15	0.72
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	15	0.72
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	9	0.72
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	9	0.72
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	6	0.72
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	6	0.72
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	6	0.72
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	3	0.72
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	18	0.72
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	7	0.72
(1,31)	1:B:9:TRP:H	1:B:9:TRP:HD1	1	0.72
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	3	0.72
(1,2619)	1:B:11:PRO:HA	1:B:14:GLU:HB2	7	0.72
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	18	0.72
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	18	0.72
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	18	0.72
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	17	0.72
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	17	0.72
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	17	0.72
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	13	0.72
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	13	0.72
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	13	0.72
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	13	0.72
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	13	0.72
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	13	0.72
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	7	0.72
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	19	0.72
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	19	0.72
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	19	0.72
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	4	0.72
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	17	0.72
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	15	0.72
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	15	0.72
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	15	0.72
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	14	0.72
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	14	0.72
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	14	0.72
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	5	0.72
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	5	0.72
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	8	0.72
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	8	0.72
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	8	0.72
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	8	0.72
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	8	0.72
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	8	0.72
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	8	0.72
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	8	0.72
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	8	0.72
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	15	0.72
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	15	0.72
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	15	0.72
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	15	0.72
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	15	0.72
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	15	0.72
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB1	2	0.72
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB2	2	0.72
(1,1862)	1:B:72:HIS:HD2	1:B:120:ALA:HB3	2	0.72
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	14	0.72
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	14	0.72
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	14	0.72
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	14	0.72
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	14	0.72
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	14	0.72
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	14	0.72
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	14	0.72
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	14	0.72
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	14	0.72
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	14	0.72
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	14	0.72
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	8	0.72
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	8	0.72
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	8	0.72
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	5	0.72
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	5	0.72
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	5	0.72
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	2	0.72
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	2	0.72
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	2	0.72
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	12	0.72
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	12	0.72
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	12	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	1	0.71
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	1	0.71
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	1	0.71
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	1	0.71
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	1	0.71
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	1	0.71
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	1	0.71
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	1	0.71
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	1	0.71
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	12	0.71
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	12	0.71
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	12	0.71
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	12	0.71
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	12	0.71
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	12	0.71
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	1	0.71
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	1	0.71
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	1	0.71
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	1	0.71
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	1	0.71
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	1	0.71
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	2	0.71
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	2	0.71
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	2	0.71
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	2	0.71
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	2	0.71
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	2	0.71
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	19	0.71
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	19	0.71
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	19	0.71
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	19	0.71
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	19	0.71
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	19	0.71
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	2	0.71
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	2	0.71
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	2	0.71
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	2	0.71
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	2	0.71
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	2	0.71
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	2	0.71
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	2	0.71
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	6	0.71
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	6	0.71
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	6	0.71
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	6	0.71
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	6	0.71
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	4	0.71
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	4	0.71
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	4	0.71
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	4	0.71
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD21	8	0.71
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD22	8	0.71
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD23	8	0.71
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG11	8	0.71
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG12	8	0.71
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG13	8	0.71
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	18	0.71
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	18	0.71
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	18	0.71
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	18	0.71
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	18	0.71
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	18	0.71
(3,1821)	1:B:129:GLU:HG3	1:B:128:ARG:HD3	5	0.71
(3,1821)	1:B:129:GLU:HG2	1:B:127:ARG:HD2	5	0.71
(3,1821)	1:B:129:GLU:HG3	1:B:127:ARG:HD2	5	0.71
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	13	0.71
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	13	0.71
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	13	0.71
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	13	0.71
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	13	0.71
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	13	0.71
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	13	0.71
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	13	0.71
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	13	0.71
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	13	0.71
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	13	0.71
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	13	0.71
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	13	0.71
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	13	0.71
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	13	0.71
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	13	0.71
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	13	0.71
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	4	0.71
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	4	0.71
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	14	0.71
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	2	0.71
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	2	0.71
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	2	0.71
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	13	0.71
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	13	0.71
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	13	0.71
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	3	0.71
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	3	0.71
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	7	0.71
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	7	0.71
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	7	0.71
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	20	0.71
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	20	0.71
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	20	0.71
(1,390)	1:B:61:ASP:H	1:B:65:ASP:HB3	11	0.71
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	3	0.71
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	16	0.71
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	9	0.71
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	9	0.71
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	9	0.71
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	9	0.71
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	4	0.71
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	4	0.71
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	4	0.71
(1,2210)	1:B:48:LYS:HG2	1:B:49:GLN:HG2	13	0.71
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	6	0.71
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	6	0.71
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	6	0.71
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	9	0.71
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	9	0.71
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	9	0.71
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	9	0.71
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	9	0.71
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	9	0.71
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	9	0.71
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	9	0.71
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	9	0.71
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	8	0.71
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	2	0.71
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	2	0.71
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	2	0.71
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	2	0.71
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	2	0.71
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	1	0.71
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	1	0.71
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	1	0.71
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	1	0.71
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	1	0.71
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	1	0.71
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	4	0.71
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	4	0.71
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	4	0.71
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG11	6	0.71
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG12	6	0.71
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG13	6	0.71
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	9	0.71
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	9	0.71
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	9	0.71
(1,169)	1:B:30:GLN:HE21	1:B:30:GLN:HG2	4	0.71
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	2	0.71
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	2	0.71
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	2	0.71
(1,1524)	1:B:33:VAL:HG21	1:B:51:ILE:HA	12	0.71
(1,1524)	1:B:33:VAL:HG22	1:B:51:ILE:HA	12	0.71
(1,1524)	1:B:33:VAL:HG23	1:B:51:ILE:HA	12	0.71
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	2	0.71
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	2	0.71
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	2	0.71
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	17	0.71
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	17	0.71
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	17	0.71
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	19	0.71
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	19	0.71
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	19	0.71
(1,1286)	1:B:114:ILE:HD11	1:B:109:ARG:HD2	9	0.71
(1,1286)	1:B:114:ILE:HD12	1:B:109:ARG:HD2	9	0.71
(1,1286)	1:B:114:ILE:HD13	1:B:109:ARG:HD2	9	0.71
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	3	0.7
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	3	0.7
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	3	0.7
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	18	0.7
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	18	0.7
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	18	0.7
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	18	0.7
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	18	0.7
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	18	0.7
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	18	0.7
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	18	0.7
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	18	0.7
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	2	0.7
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	2	0.7
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	2	0.7
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	2	0.7
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	2	0.7
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	2	0.7
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	14	0.7
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	14	0.7
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	14	0.7
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	14	0.7
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	14	0.7
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	14	0.7
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	14	0.7
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	14	0.7
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	14	0.7
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	14	0.7
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	14	0.7
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	14	0.7
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	16	0.7
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	16	0.7
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	16	0.7
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	16	0.7
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	16	0.7
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	16	0.7
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	16	0.7
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	16	0.7
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	16	0.7
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	16	0.7
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	16	0.7
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	16	0.7
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	4	0.7
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	4	0.7
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	4	0.7
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	4	0.7
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	4	0.7
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	4	0.7
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	4	0.7
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	4	0.7
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	9	0.7
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	9	0.7
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	9	0.7
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	9	0.7
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	9	0.7
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	9	0.7
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	9	0.7
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	9	0.7
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	9	0.7
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	9	0.7
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	9	0.7
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	9	0.7
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	9	0.7
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	9	0.7
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	9	0.7
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	9	0.7
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	9	0.7
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	9	0.7
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	6	0.7
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	6	0.7
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	6	0.7
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	6	0.7
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	6	0.7
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	6	0.7
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG11	15	0.7
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG12	15	0.7
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG13	15	0.7
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG11	15	0.7
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG12	15	0.7
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG13	15	0.7
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG11	15	0.7
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG12	15	0.7
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG13	15	0.7
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD11	15	0.7
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD12	15	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD13	15	0.7
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD11	15	0.7
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD12	15	0.7
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD13	15	0.7
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD11	15	0.7
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD12	15	0.7
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD13	15	0.7
(3,549)	1:B:124:VAL:HG11	1:B:119:LEU:HB2	6	0.7
(3,549)	1:B:124:VAL:HG12	1:B:119:LEU:HB2	6	0.7
(3,549)	1:B:124:VAL:HG13	1:B:119:LEU:HB2	6	0.7
(3,549)	1:B:124:VAL:HG11	1:B:127:ARG:HG2	6	0.7
(3,549)	1:B:124:VAL:HG12	1:B:127:ARG:HG2	6	0.7
(3,549)	1:B:124:VAL:HG13	1:B:127:ARG:HG2	6	0.7
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	15	0.7
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	15	0.7
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	15	0.7
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	15	0.7
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	15	0.7
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	15	0.7
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	6	0.7
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	6	0.7
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	6	0.7
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	6	0.7
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	6	0.7
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	6	0.7
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	6	0.7
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	6	0.7
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	6	0.7
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	6	0.7
(3,1864)	1:B:6:ALA:HB1	1:B:45:ARG:HD3	12	0.7
(3,1864)	1:B:6:ALA:HB2	1:B:45:ARG:HD3	12	0.7
(3,1864)	1:B:6:ALA:HB3	1:B:45:ARG:HD3	12	0.7
(3,1864)	1:B:6:ALA:HB1	1:B:9:TRP:HB3	12	0.7
(3,1864)	1:B:6:ALA:HB2	1:B:9:TRP:HB3	12	0.7
(3,1864)	1:B:6:ALA:HB3	1:B:9:TRP:HB3	12	0.7
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	19	0.7
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	19	0.7
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	19	0.7
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	19	0.7
(3,1418)	1:B:9:TRP:HE3	1:B:12:GLU:HB3	1	0.7
(3,1418)	1:B:52:HIS:HD2	1:B:55:VAL:HB	1	0.7
(3,1418)	1:B:52:HIS:HD2	1:B:67:GLN:HB2	1	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	15	0.7
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	15	0.7
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	9	0.7
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	9	0.7
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	9	0.7
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	2	0.7
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	2	0.7
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	2	0.7
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	2	0.7
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	2	0.7
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	2	0.7
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	11	0.7
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	11	0.7
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	11	0.7
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	11	0.7
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	11	0.7
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	11	0.7
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	19	0.7
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	19	0.7
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	19	0.7
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	19	0.7
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	19	0.7
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	19	0.7
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	14	0.7
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	14	0.7
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	14	0.7
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	14	0.7
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	14	0.7
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	14	0.7
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	14	0.7
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	14	0.7
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	14	0.7
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	14	0.7
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	14	0.7
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	14	0.7
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	14	0.7
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	14	0.7
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	14	0.7
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	17	0.7
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	17	0.7
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	17	0.7
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	17	0.7
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	17	0.7
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	17	0.7
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	17	0.7
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	17	0.7
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	17	0.7
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	17	0.7
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	17	0.7
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	17	0.7
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	17	0.7
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	17	0.7
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	6	0.7
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	6	0.7
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	6	0.7
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	6	0.7
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	6	0.7
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	6	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	6	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	6	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	6	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	6	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	6	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	6	0.7
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	6	0.7
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	6	0.7
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	6	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	6	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	6	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	6	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	6	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	6	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	6	0.7
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	8	0.7
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	8	0.7
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	8	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	8	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	8	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	8	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	8	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	8	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	8	0.7
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	8	0.7
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	8	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	8	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	8	0.7
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	8	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	8	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	8	0.7
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	8	0.7
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	8	0.7
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	8	0.7
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	8	0.7
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	8	0.7
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	8	0.7
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	8	0.7
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	8	0.7
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	8	0.7
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	8	0.7
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	8	0.7
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	8	0.7
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	8	0.7
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	4	0.7
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	4	0.7
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	4	0.7
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	14	0.7
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	14	0.7
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	2	0.7
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	2	0.7
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	2	0.7
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	1	0.7
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	1	0.7
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	1	0.7
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	17	0.7
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	17	0.7
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	17	0.7
(1,357)	1:B:56:GLN:HE21	1:B:56:GLN:HG3	19	0.7
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	9	0.7
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	9	0.7
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	9	0.7
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	20	0.7
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	20	0.7
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	20	0.7
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	20	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD11	6	0.7
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD12	6	0.7
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD13	6	0.7
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	20	0.7
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	6	0.7
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	5	0.7
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	8	0.7
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	20	0.7
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	6	0.7
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	6	0.7
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	6	0.7
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	20	0.7
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	20	0.7
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	20	0.7
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	15	0.7
(1,1691)	1:B:20:LEU:HD11	1:B:36:ILE:HG12	16	0.7
(1,1691)	1:B:20:LEU:HD12	1:B:36:ILE:HG12	16	0.7
(1,1691)	1:B:20:LEU:HD13	1:B:36:ILE:HG12	16	0.7
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	8	0.7
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	8	0.7
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	8	0.7
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG21	18	0.7
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG22	18	0.7
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG23	18	0.7
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	11	0.7
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	11	0.7
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	11	0.7
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	11	0.7
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	11	0.7
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	11	0.7
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	11	0.7
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	11	0.7
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	11	0.7
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	11	0.7
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	11	0.7
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	11	0.7
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	7	0.7
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	7	0.7
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG11	9	0.7
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG12	9	0.7
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG13	9	0.7
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG21	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG22	9	0.7
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG23	9	0.7
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	5	0.7
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	5	0.7
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	5	0.7
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	10	0.7
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	10	0.7
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	10	0.7
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	10	0.7
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	10	0.7
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	10	0.7
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG11	20	0.7
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG12	20	0.7
(1,1188)	1:B:119:LEU:HB2	1:B:124:VAL:HG13	20	0.7
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	10	0.69
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	10	0.69
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	10	0.69
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	10	0.69
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	10	0.69
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	10	0.69
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	10	0.69
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	10	0.69
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	10	0.69
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	10	0.69
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	10	0.69
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	10	0.69
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB3	10	0.69
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB2	10	0.69
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB3	10	0.69
(3,658)	1:B:95:ASP:HB2	1:B:132:LYS:HB2	10	0.69
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB2	10	0.69
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	1	0.69
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	1	0.69
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	1	0.69
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	1	0.69
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	10	0.69
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	10	0.69
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	10	0.69
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	10	0.69
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	3	0.69
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	3	0.69
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	3	0.69
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	1	0.69
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	1	0.69
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	1	0.69
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	1	0.69
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	1	0.69
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	1	0.69
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG11	7	0.69
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG12	7	0.69
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG13	7	0.69
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG11	7	0.69
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG12	7	0.69
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG13	7	0.69
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD11	7	0.69
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD12	7	0.69
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD13	7	0.69
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	8	0.69
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	8	0.69
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	8	0.69
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	8	0.69
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	10	0.69
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	10	0.69
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	10	0.69
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	3	0.69
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	3	0.69
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	3	0.69
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	3	0.69
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	3	0.69
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	3	0.69
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	3	0.69
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	3	0.69
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	3	0.69
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	15	0.69
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	15	0.69
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	15	0.69
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	15	0.69
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	15	0.69
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	15	0.69
(3,1182)	1:B:74:VAL:HG21	1:B:109:ARG:HB2	11	0.69
(3,1182)	1:B:74:VAL:HG22	1:B:109:ARG:HB2	11	0.69
(3,1182)	1:B:74:VAL:HG23	1:B:109:ARG:HB2	11	0.69
(3,1182)	1:B:74:VAL:HG21	1:B:73:ILE:HB	11	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1182)	1:B:74:VAL:HG22	1:B:73:ILE:HB	11	0.69
(3,1182)	1:B:74:VAL:HG23	1:B:73:ILE:HB	11	0.69
(3,1182)	1:B:74:VAL:HG21	1:B:109:ARG:HB2	13	0.69
(3,1182)	1:B:74:VAL:HG22	1:B:109:ARG:HB2	13	0.69
(3,1182)	1:B:74:VAL:HG23	1:B:109:ARG:HB2	13	0.69
(3,1182)	1:B:74:VAL:HG21	1:B:73:ILE:HB	13	0.69
(3,1182)	1:B:74:VAL:HG22	1:B:73:ILE:HB	13	0.69
(3,1182)	1:B:74:VAL:HG23	1:B:73:ILE:HB	13	0.69
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	8	0.69
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	8	0.69
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	8	0.69
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	16	0.69
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	16	0.69
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	16	0.69
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	13	0.69
(2,33)	1:B:74:VAL:HG21	1:B:114:ILE:HG12	1	0.69
(2,33)	1:B:74:VAL:HG22	1:B:114:ILE:HG12	1	0.69
(2,33)	1:B:74:VAL:HG23	1:B:114:ILE:HG12	1	0.69
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	4	0.69
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	2	0.69
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	19	0.69
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	19	0.69
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	19	0.69
(1,897)	1:B:33:VAL:HG11	1:B:51:ILE:HA	8	0.69
(1,897)	1:B:33:VAL:HG12	1:B:51:ILE:HA	8	0.69
(1,897)	1:B:33:VAL:HG13	1:B:51:ILE:HA	8	0.69
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD1	9	0.69
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD2	9	0.69
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD1	9	0.69
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD2	9	0.69
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD1	9	0.69
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD2	9	0.69
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	4	0.69
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	4	0.69
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	4	0.69
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	15	0.69
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	15	0.69
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	15	0.69
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	19	0.69
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	19	0.69
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	19	0.69
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	4	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	7	0.69
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	18	0.69
(1,415)	1:B:65:ASP:H	1:B:64:LYS:HB2	7	0.69
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	5	0.69
(1,312)	1:B:50:ILE:H	1:B:17:LEU:HD11	6	0.69
(1,312)	1:B:50:ILE:H	1:B:17:LEU:HD12	6	0.69
(1,312)	1:B:50:ILE:H	1:B:17:LEU:HD13	6	0.69
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	18	0.69
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	2	0.69
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	6	0.69
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	15	0.69
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	7	0.69
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	7	0.69
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	7	0.69
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	9	0.69
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	9	0.69
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	9	0.69
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	11	0.69
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	11	0.69
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	11	0.69
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG21	9	0.69
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG22	9	0.69
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG23	9	0.69
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	14	0.69
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	14	0.69
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB1	19	0.69
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB2	19	0.69
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB3	19	0.69
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	7	0.69
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	7	0.69
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	7	0.69
(1,1684)	1:B:20:LEU:HD11	1:B:24:ASN:HD22	6	0.69
(1,1684)	1:B:20:LEU:HD12	1:B:24:ASN:HD22	6	0.69
(1,1684)	1:B:20:LEU:HD13	1:B:24:ASN:HD22	6	0.69
(1,1603)	1:B:66:PHE:HE1	1:B:65:ASP:HB3	12	0.69
(1,1603)	1:B:66:PHE:HE2	1:B:65:ASP:HB3	12	0.69
(1,1522)	1:B:97:VAL:HG21	1:B:92:ARG:HB2	11	0.69
(1,1522)	1:B:97:VAL:HG22	1:B:92:ARG:HB2	11	0.69
(1,1522)	1:B:97:VAL:HG23	1:B:92:ARG:HB2	11	0.69
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	17	0.69
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	17	0.69
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	15	0.69
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	15	0.69
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	15	0.69
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	15	0.69
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	15	0.69
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	12	0.69
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	12	0.69
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	12	0.69
(1,1224)	1:B:87:LEU:HD11	1:B:101:ILE:HA	19	0.69
(1,1224)	1:B:87:LEU:HD12	1:B:101:ILE:HA	19	0.69
(1,1224)	1:B:87:LEU:HD13	1:B:101:ILE:HA	19	0.69
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG11	1	0.69
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG12	1	0.69
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG13	1	0.69
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG21	1	0.69
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG22	1	0.69
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG23	1	0.69
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	1	0.69
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	1	0.69
(3,97)	1:B:108:LYS:H	1:B:108:LYS:HG2	17	0.68
(3,97)	1:B:50:ILE:H	1:B:45:ARG:HG2	17	0.68
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	5	0.68
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	5	0.68
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	5	0.68
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	5	0.68
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	5	0.68
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	5	0.68
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	15	0.68
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	15	0.68
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	15	0.68
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	15	0.68
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	15	0.68
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	15	0.68
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB2	20	0.68
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB3	20	0.68
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB2	20	0.68
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB3	20	0.68
(3,479)	1:B:131:TYR:HB3	1:B:128:ARG:HB2	20	0.68
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	9	0.68
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	9	0.68
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	9	0.68
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	13	0.68
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	13	0.68
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	13	0.68
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	13	0.68
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	14	0.68
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	14	0.68
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	14	0.68
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	14	0.68
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	14	0.68
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	14	0.68
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	10	0.68
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	10	0.68
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	10	0.68
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	17	0.68
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	17	0.68
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	17	0.68
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	17	0.68
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	17	0.68
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	17	0.68
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	17	0.68
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	17	0.68
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	17	0.68
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	17	0.68
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	17	0.68
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	17	0.68
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	17	0.68
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	17	0.68
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	17	0.68
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	17	0.68
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	17	0.68
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	17	0.68
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	17	0.68
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	17	0.68
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	17	0.68
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	17	0.68
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	17	0.68
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	17	0.68
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	8	0.68
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	8	0.68
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	8	0.68
(3,1247)	1:B:89:GLU:HB3	1:B:90:GLU:HB3	1	0.68
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG3	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG2	1	0.68
(3,1234)	1:B:46:THR:HG21	1:B:47:ARG:HD3	9	0.68
(3,1234)	1:B:46:THR:HG22	1:B:47:ARG:HD3	9	0.68
(3,1234)	1:B:46:THR:HG23	1:B:47:ARG:HD3	9	0.68
(3,1234)	1:B:46:THR:HG21	1:B:52:HIS:HB2	9	0.68
(3,1234)	1:B:46:THR:HG22	1:B:52:HIS:HB2	9	0.68
(3,1234)	1:B:46:THR:HG23	1:B:52:HIS:HB2	9	0.68
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	13	0.68
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	13	0.68
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	13	0.68
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	13	0.68
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	13	0.68
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	13	0.68
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	4	0.68
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	4	0.68
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	4	0.68
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	4	0.68
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	4	0.68
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	4	0.68
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	4	0.68
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	4	0.68
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	4	0.68
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	4	0.68
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	4	0.68
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	4	0.68
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	4	0.68
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	4	0.68
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	4	0.68
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	4	0.68
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	4	0.68
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	4	0.68
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	11	0.68
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	11	0.68
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	11	0.68
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG11	13	0.68
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG12	13	0.68
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG13	13	0.68
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG11	13	0.68
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG12	13	0.68
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG13	13	0.68
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	7	0.68
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:B:33:VAL:HG11	1:B:51:ILE:HA	5	0.68
(1,897)	1:B:33:VAL:HG12	1:B:51:ILE:HA	5	0.68
(1,897)	1:B:33:VAL:HG13	1:B:51:ILE:HA	5	0.68
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	16	0.68
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	16	0.68
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	16	0.68
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	5	0.68
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	20	0.68
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	13	0.68
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	13	0.68
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	13	0.68
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	9	0.68
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	9	0.68
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	9	0.68
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	6	0.68
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	6	0.68
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	6	0.68
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	6	0.68
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	6	0.68
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	6	0.68
(1,2568)	1:B:17:LEU:HD21	1:B:9:TRP:HZ2	19	0.68
(1,2568)	1:B:17:LEU:HD22	1:B:9:TRP:HZ2	19	0.68
(1,2568)	1:B:17:LEU:HD23	1:B:9:TRP:HZ2	19	0.68
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	2	0.68
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	2	0.68
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	2	0.68
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	2	0.68
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	7	0.68
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	10	0.68
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	2	0.68
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	2	0.68
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	2	0.68
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	15	0.68
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	15	0.68
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	15	0.68
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	15	0.68
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	15	0.68
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	15	0.68
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	15	0.68
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	15	0.68
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	15	0.68
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	18	0.68
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	18	0.68
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG21	11	0.68
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG22	11	0.68
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG23	11	0.68
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	17	0.68
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	17	0.68
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	17	0.68
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	18	0.68
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	18	0.68
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	18	0.68
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	1	0.68
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	1	0.68
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	1	0.68
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	1	0.68
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	1	0.68
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	1	0.68
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	1	0.68
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	1	0.68
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	1	0.68
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	14	0.68
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	14	0.68
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	14	0.68
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	14	0.68
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	14	0.68
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	14	0.68
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	14	0.68
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	14	0.68
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	14	0.68
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	8	0.68
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	8	0.68
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	8	0.68
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	14	0.68
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	14	0.68
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	14	0.68
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	13	0.68
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	13	0.68
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	13	0.68
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	19	0.68
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	19	0.68
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	19	0.68
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	19	0.68
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	19	0.68
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	9	0.68
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	9	0.68
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	9	0.68
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	9	0.68
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	9	0.68
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	9	0.68
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	9	0.68
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	9	0.68
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	9	0.68
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	19	0.68
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	19	0.68
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	19	0.68
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	19	0.68
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	19	0.68
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	19	0.68
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	20	0.68
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	20	0.68
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	20	0.68
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	20	0.68
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	20	0.68
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	20	0.68
(3,97)	1:B:108:LYS:H	1:B:108:LYS:HG2	6	0.67
(3,97)	1:B:50:ILE:H	1:B:45:ARG:HG2	6	0.67
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	9	0.67
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	9	0.67
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	9	0.67
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	9	0.67
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	9	0.67
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	9	0.67
(3,1821)	1:B:129:GLU:HG3	1:B:128:ARG:HD3	10	0.67
(3,1821)	1:B:129:GLU:HG2	1:B:127:ARG:HD2	10	0.67
(3,1821)	1:B:129:GLU:HG3	1:B:127:ARG:HD2	10	0.67
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	14	0.67
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	14	0.67
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	14	0.67
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	14	0.67
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	14	0.67
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	14	0.67
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	14	0.67
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	14	0.67
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	3	0.67
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	3	0.67
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	3	0.67
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	3	0.67
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	3	0.67
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	3	0.67
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	3	0.67
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	3	0.67
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	3	0.67
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	3	0.67
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	3	0.67
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	3	0.67
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	3	0.67
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	3	0.67
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	3	0.67
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	3	0.67
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	3	0.67
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	3	0.67
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	18	0.67
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	18	0.67
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	18	0.67
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	18	0.67
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	18	0.67
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	18	0.67
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	18	0.67
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	18	0.67
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	18	0.67
(3,1234)	1:B:46:THR:HG21	1:B:47:ARG:HD3	11	0.67
(3,1234)	1:B:46:THR:HG22	1:B:47:ARG:HD3	11	0.67
(3,1234)	1:B:46:THR:HG23	1:B:47:ARG:HD3	11	0.67
(3,1234)	1:B:46:THR:HG21	1:B:52:HIS:HB2	11	0.67
(3,1234)	1:B:46:THR:HG22	1:B:52:HIS:HB2	11	0.67
(3,1234)	1:B:46:THR:HG23	1:B:52:HIS:HB2	11	0.67
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	19	0.67
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	19	0.67
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	19	0.67
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	16	0.67
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	16	0.67
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	16	0.67
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	16	0.67
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	16	0.67
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	19	0.67
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	19	0.67
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	19	0.67
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	19	0.67
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	19	0.67
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	19	0.67
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	19	0.67
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	19	0.67
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	19	0.67
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	19	0.67
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	19	0.67
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	19	0.67
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	1	0.67
(2,18)	1:B:138:LEU:HD11	1:B:126:GLU:HG2	14	0.67
(2,18)	1:B:138:LEU:HD12	1:B:126:GLU:HG2	14	0.67
(2,18)	1:B:138:LEU:HD13	1:B:126:GLU:HG2	14	0.67
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	12	0.67
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	12	0.67
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	12	0.67
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	18	0.67
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	18	0.67
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	18	0.67
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG21	13	0.67
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG22	13	0.67
(1,963)	1:B:131:TYR:HD1	1:B:115:VAL:HG23	13	0.67
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG21	13	0.67
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG22	13	0.67
(1,963)	1:B:131:TYR:HD2	1:B:115:VAL:HG23	13	0.67
(1,962)	1:B:131:TYR:HD1	1:B:115:VAL:HG11	8	0.67
(1,962)	1:B:131:TYR:HD1	1:B:115:VAL:HG12	8	0.67
(1,962)	1:B:131:TYR:HD1	1:B:115:VAL:HG13	8	0.67
(1,962)	1:B:131:TYR:HD2	1:B:115:VAL:HG11	8	0.67
(1,962)	1:B:131:TYR:HD2	1:B:115:VAL:HG12	8	0.67
(1,962)	1:B:131:TYR:HD2	1:B:115:VAL:HG13	8	0.67
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	16	0.67
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	16	0.67
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	16	0.67
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	16	0.67
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	16	0.67
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	16	0.67
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	3	0.67
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	3	0.67
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	8	0.67
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	8	0.67
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	8	0.67
(1,861)	1:B:3:SER:HB2	1:B:44:PRO:HA	9	0.67
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	10	0.67
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	14	0.67
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD11	15	0.67
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD12	15	0.67
(1,2615)	1:B:124:VAL:HA	1:B:130:LEU:HD13	15	0.67
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	13	0.67
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	13	0.67
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	13	0.67
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	19	0.67
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	8	0.67
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	8	0.67
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	8	0.67
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	3	0.67
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	18	0.67
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	18	0.67
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	18	0.67
(1,2120)	1:B:52:HIS:HE1	1:B:56:GLN:HG3	19	0.67
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	19	0.67
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	19	0.67
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	19	0.67
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	15	0.67
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	15	0.67
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	15	0.67
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	15	0.67
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	15	0.67
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	17	0.67
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	17	0.67
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG11	8	0.67
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG12	8	0.67
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG13	8	0.67
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	4	0.67
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	4	0.67
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	4	0.67
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	5	0.67
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	5	0.67
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	5	0.67
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	5	0.67
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	5	0.67
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	5	0.67
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	5	0.67
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	5	0.67
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	3	0.67
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	3	0.67
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	3	0.67
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	9	0.67
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	9	0.67
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	9	0.67
(1,1171)	1:B:119:LEU:HD21	1:B:116:ASP:HB3	15	0.67
(1,1171)	1:B:119:LEU:HD22	1:B:116:ASP:HB3	15	0.67
(1,1171)	1:B:119:LEU:HD23	1:B:116:ASP:HB3	15	0.67
(1,1127)	1:B:121:LEU:HD11	1:B:85:GLN:HE22	4	0.67
(1,1127)	1:B:121:LEU:HD12	1:B:85:GLN:HE22	4	0.67
(1,1127)	1:B:121:LEU:HD13	1:B:85:GLN:HE22	4	0.67
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	16	0.67
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	16	0.67
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	16	0.67
(3,585)	1:B:121:LEU:HD11	1:B:87:LEU:H	5	0.66
(3,585)	1:B:121:LEU:HD12	1:B:87:LEU:H	5	0.66
(3,585)	1:B:121:LEU:HD13	1:B:87:LEU:H	5	0.66
(3,585)	1:B:121:LEU:HD11	1:B:81:GLU:H	5	0.66
(3,585)	1:B:121:LEU:HD12	1:B:81:GLU:H	5	0.66
(3,585)	1:B:121:LEU:HD13	1:B:81:GLU:H	5	0.66
(3,585)	1:B:121:LEU:HD11	1:B:128:ARG:H	5	0.66
(3,585)	1:B:121:LEU:HD12	1:B:128:ARG:H	5	0.66
(3,585)	1:B:121:LEU:HD13	1:B:128:ARG:H	5	0.66
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	19	0.66
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	19	0.66
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	19	0.66
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	19	0.66
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	19	0.66
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	19	0.66
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB2	10	0.66
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB3	10	0.66
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB2	10	0.66
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB3	10	0.66
(3,479)	1:B:131:TYR:HB3	1:B:128:ARG:HB2	10	0.66
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	12	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	12	0.66
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	12	0.66
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	12	0.66
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD21	8	0.66
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD22	8	0.66
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD23	8	0.66
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD21	8	0.66
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD22	8	0.66
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD23	8	0.66
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	10	0.66
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	10	0.66
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	10	0.66
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	10	0.66
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	10	0.66
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	10	0.66
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	9	0.66
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	9	0.66
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	9	0.66
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	9	0.66
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	9	0.66
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	9	0.66
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	9	0.66
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	9	0.66
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	9	0.66
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	9	0.66
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	9	0.66
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	9	0.66
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	9	0.66
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	9	0.66
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	9	0.66
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	9	0.66
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	9	0.66
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	9	0.66
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB3	9	0.66
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB2	9	0.66
(3,1419)	1:B:52:HIS:HD2	1:B:47:ARG:HB2	9	0.66
(3,1419)	1:B:52:HIS:HD2	1:B:69:LYS:HB3	9	0.66
(3,1419)	1:B:52:HIS:HD2	1:B:56:GLN:HB3	9	0.66
(3,1419)	1:B:52:HIS:HD2	1:B:64:LYS:HB2	9	0.66
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	16	0.66
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	16	0.66
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	2	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	2	0.66
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	2	0.66
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	2	0.66
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	2	0.66
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	2	0.66
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	19	0.66
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	19	0.66
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	19	0.66
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	19	0.66
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	19	0.66
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	19	0.66
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	6	0.66
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	6	0.66
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	6	0.66
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	6	0.66
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	6	0.66
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	6	0.66
(3,119)	1:B:56:GLN:H	1:B:56:GLN:HG3	19	0.66
(3,119)	1:B:56:GLN:H	1:B:57:MET:HB2	19	0.66
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	20	0.66
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	20	0.66
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	20	0.66
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	20	0.66
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	20	0.66
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	20	0.66
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	20	0.66
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	20	0.66
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	20	0.66
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	20	0.66
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	20	0.66
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	20	0.66
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	20	0.66
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	20	0.66
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	20	0.66
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	20	0.66
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	20	0.66
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	20	0.66
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	5	0.66
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	5	0.66
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	5	0.66
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	10	0.66
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	10	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	10	0.66
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	9	0.66
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	9	0.66
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	9	0.66
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	9	0.66
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	5	0.66
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	5	0.66
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	20	0.66
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	20	0.66
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	20	0.66
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	20	0.66
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	20	0.66
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	20	0.66
(1,617)	1:B:96:ASP:H	1:B:100:HIS:HD2	13	0.66
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD21	19	0.66
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD22	19	0.66
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD23	19	0.66
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	9	0.66
(1,403)	1:B:64:LYS:H	1:B:64:LYS:HB2	4	0.66
(1,403)	1:B:64:LYS:H	1:B:64:LYS:HB2	7	0.66
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	4	0.66
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	4	0.66
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	4	0.66
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	3	0.66
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	1	0.66
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	1	0.66
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	1	0.66
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	10	0.66
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	10	0.66
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	10	0.66
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	9	0.66
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	5	0.66
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	5	0.66
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	5	0.66
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	5	0.66
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	5	0.66
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	5	0.66
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	16	0.66
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	16	0.66
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	16	0.66
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	16	0.66
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	16	0.66
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	3	0.66
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	3	0.66
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	3	0.66
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	13	0.66
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	13	0.66
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	13	0.66
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	13	0.66
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	13	0.66
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	13	0.66
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	13	0.66
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	13	0.66
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	13	0.66
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	13	0.66
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	13	0.66
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	13	0.66
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG3	17	0.66
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG3	17	0.66
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG3	17	0.66
(1,1929)	1:B:63:VAL:HG21	1:B:64:LYS:HG2	17	0.66
(1,1929)	1:B:63:VAL:HG22	1:B:64:LYS:HG2	17	0.66
(1,1929)	1:B:63:VAL:HG23	1:B:64:LYS:HG2	17	0.66
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	20	0.66
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	20	0.66
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	20	0.66
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	20	0.66
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	20	0.66
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	20	0.66
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	3	0.66
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	3	0.66
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	3	0.66
(1,1300)	1:B:113:ARG:HD3	1:B:109:ARG:HD3	9	0.66
(1,1300)	1:B:113:ARG:HD2	1:B:109:ARG:HD3	9	0.66
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	18	0.66
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	18	0.66
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	18	0.66
(3,890)	1:B:37:LEU:HB3	1:B:36:ILE:HA	18	0.65
(3,890)	1:B:37:LEU:HB3	1:B:54:LEU:HA	18	0.65
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	7	0.65
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	7	0.65
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	7	0.65
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	7	0.65
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	7	0.65
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	7	0.65
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	7	0.65
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	7	0.65
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	7	0.65
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	7	0.65
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	7	0.65
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	2	0.65
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	2	0.65
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	2	0.65
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	2	0.65
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	2	0.65
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	2	0.65
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	2	0.65
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	2	0.65
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	2	0.65
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	2	0.65
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	2	0.65
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	2	0.65
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	2	0.65
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	2	0.65
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	2	0.65
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	2	0.65
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	2	0.65
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	2	0.65
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	13	0.65
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	13	0.65
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	13	0.65
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	13	0.65
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	13	0.65
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	13	0.65
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	3	0.65
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	3	0.65
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	3	0.65
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	3	0.65
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	3	0.65
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	3	0.65
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	3	0.65
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	3	0.65
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	3	0.65
(3,558)	1:B:84:LEU:HD21	1:B:118:LEU:HA	6	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,558)	1:B:84:LEU:HD22	1:B:118:LEU:HA	6	0.65
(3,558)	1:B:84:LEU:HD23	1:B:118:LEU:HA	6	0.65
(3,558)	1:B:84:LEU:HD21	1:B:101:ILE:HA	6	0.65
(3,558)	1:B:84:LEU:HD22	1:B:101:ILE:HA	6	0.65
(3,558)	1:B:84:LEU:HD23	1:B:101:ILE:HA	6	0.65
(3,558)	1:B:84:LEU:HD21	1:B:118:LEU:HA	9	0.65
(3,558)	1:B:84:LEU:HD22	1:B:118:LEU:HA	9	0.65
(3,558)	1:B:84:LEU:HD23	1:B:118:LEU:HA	9	0.65
(3,558)	1:B:84:LEU:HD21	1:B:101:ILE:HA	9	0.65
(3,558)	1:B:84:LEU:HD22	1:B:101:ILE:HA	9	0.65
(3,558)	1:B:84:LEU:HD23	1:B:101:ILE:HA	9	0.65
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD11	20	0.65
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD12	20	0.65
(3,272)	1:B:118:LEU:H	1:B:119:LEU:HD13	20	0.65
(3,272)	1:B:118:LEU:H	1:B:123:LEU:HB3	20	0.65
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	19	0.65
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	19	0.65
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	19	0.65
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	19	0.65
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	12	0.65
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	12	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	7	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	7	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	7	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	7	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	7	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	7	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	7	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	7	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	7	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	7	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	7	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	7	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	7	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	7	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	7	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	7	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	7	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	7	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	18	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	18	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	18	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	18	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	18	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	18	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	18	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	18	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	18	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	18	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	18	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	18	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	18	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	18	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	18	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	18	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	18	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	18	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	19	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	19	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	19	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	19	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	19	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	19	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	19	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	19	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	19	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	19	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	19	0.65
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	19	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	19	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	19	0.65
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	19	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	19	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	19	0.65
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	19	0.65
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	2	0.65
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	2	0.65
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	2	0.65
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	5	0.65
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	5	0.65
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	5	0.65
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	5	0.65
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	5	0.65
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	5	0.65
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	5	0.65
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	5	0.65
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	1	0.65
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	1	0.65
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	6	0.65
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	6	0.65
(3,1234)	1:B:46:THR:HG21	1:B:47:ARG:HD3	18	0.65
(3,1234)	1:B:46:THR:HG22	1:B:47:ARG:HD3	18	0.65
(3,1234)	1:B:46:THR:HG23	1:B:47:ARG:HD3	18	0.65
(3,1234)	1:B:46:THR:HG21	1:B:52:HIS:HB2	18	0.65
(3,1234)	1:B:46:THR:HG22	1:B:52:HIS:HB2	18	0.65
(3,1234)	1:B:46:THR:HG23	1:B:52:HIS:HB2	18	0.65
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	14	0.65
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	14	0.65
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	14	0.65
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	14	0.65
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	14	0.65
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	14	0.65
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB2	12	0.65
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB2	12	0.65
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB2	12	0.65
(3,1189)	1:B:73:ILE:HG21	1:B:114:ILE:HB	12	0.65
(3,1189)	1:B:73:ILE:HG22	1:B:114:ILE:HB	12	0.65
(3,1189)	1:B:73:ILE:HG23	1:B:114:ILE:HB	12	0.65
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB3	12	0.65
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB3	12	0.65
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB3	12	0.65
(3,1189)	1:B:73:ILE:HG21	1:B:113:ARG:HB3	12	0.65
(3,1189)	1:B:73:ILE:HG22	1:B:113:ARG:HB3	12	0.65
(3,1189)	1:B:73:ILE:HG23	1:B:113:ARG:HB3	12	0.65
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HG3	12	0.65
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HG3	12	0.65
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HG3	12	0.65
(3,1171)	1:B:74:VAL:HG11	1:B:76:TRP:HE1	2	0.65
(3,1171)	1:B:74:VAL:HG12	1:B:76:TRP:HE1	2	0.65
(3,1171)	1:B:74:VAL:HG13	1:B:76:TRP:HE1	2	0.65
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD11	2	0.65
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD12	2	0.65
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD13	2	0.65
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD11	2	0.65
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD12	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD13	2	0.65
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD11	2	0.65
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD12	2	0.65
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD13	2	0.65
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	18	0.65
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	18	0.65
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	18	0.65
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	18	0.65
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	18	0.65
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	18	0.65
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	15	0.65
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	15	0.65
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	15	0.65
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	15	0.65
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	15	0.65
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	15	0.65
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	15	0.65
(2,33)	1:B:74:VAL:HG21	1:B:114:ILE:HG12	14	0.65
(2,33)	1:B:74:VAL:HG22	1:B:114:ILE:HG12	14	0.65
(2,33)	1:B:74:VAL:HG23	1:B:114:ILE:HG12	14	0.65
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	14	0.65
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	16	0.65
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	16	0.65
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG11	12	0.65
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG12	12	0.65
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG13	12	0.65
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG11	12	0.65
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG12	12	0.65
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG13	12	0.65
(1,897)	1:B:33:VAL:HG11	1:B:51:ILE:HA	9	0.65
(1,897)	1:B:33:VAL:HG12	1:B:51:ILE:HA	9	0.65
(1,897)	1:B:33:VAL:HG13	1:B:51:ILE:HA	9	0.65
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	9	0.65
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	9	0.65
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	9	0.65
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	9	0.65
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	9	0.65
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	9	0.65
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD1	16	0.65
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD2	16	0.65
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD1	16	0.65
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD2	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD1	16	0.65
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD2	16	0.65
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	19	0.65
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	19	0.65
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	19	0.65
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	13	0.65
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	13	0.65
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	13	0.65
(1,403)	1:B:64:LYS:H	1:B:64:LYS:HB2	3	0.65
(1,403)	1:B:64:LYS:H	1:B:64:LYS:HB2	12	0.65
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	8	0.65
(1,2686)	1:B:6:ALA:HB1	1:B:49:GLN:HE21	11	0.65
(1,2686)	1:B:6:ALA:HB2	1:B:49:GLN:HE21	11	0.65
(1,2686)	1:B:6:ALA:HB3	1:B:49:GLN:HE21	11	0.65
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	11	0.65
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	11	0.65
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	11	0.65
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	2	0.65
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	8	0.65
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	10	0.65
(1,2341)	1:B:40:LEU:HD11	1:B:17:LEU:H	8	0.65
(1,2341)	1:B:40:LEU:HD12	1:B:17:LEU:H	8	0.65
(1,2341)	1:B:40:LEU:HD13	1:B:17:LEU:H	8	0.65
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	18	0.65
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	18	0.65
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	18	0.65
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	7	0.65
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	7	0.65
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	7	0.65
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD11	1	0.65
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD12	1	0.65
(1,2027)	1:B:57:MET:HE1	1:B:59:LEU:HD13	1	0.65
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD11	1	0.65
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD12	1	0.65
(1,2027)	1:B:57:MET:HE2	1:B:59:LEU:HD13	1	0.65
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD11	1	0.65
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD12	1	0.65
(1,2027)	1:B:57:MET:HE3	1:B:59:LEU:HD13	1	0.65
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	17	0.65
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	17	0.65
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	17	0.65
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	11	0.65
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	11	0.65
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	11	0.65
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	11	0.65
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	11	0.65
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	11	0.65
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	11	0.65
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	11	0.65
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	20	0.65
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	20	0.65
(1,1784)	1:B:76:TRP:HZ2	1:B:109:ARG:HG2	9	0.65
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG11	10	0.65
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG12	10	0.65
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG13	10	0.65
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	13	0.65
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	13	0.65
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	13	0.65
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	16	0.65
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	16	0.65
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	16	0.65
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	15	0.65
(1,1223)	1:B:87:LEU:HD11	1:B:87:LEU:HA	10	0.65
(1,1223)	1:B:87:LEU:HD12	1:B:87:LEU:HA	10	0.65
(1,1223)	1:B:87:LEU:HD13	1:B:87:LEU:HA	10	0.65
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	15	0.65
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	15	0.65
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	15	0.65
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	15	0.65
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	15	0.65
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	15	0.65
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	15	0.65
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	15	0.65
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	15	0.65
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	20	0.65
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	20	0.65
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	20	0.65
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	20	0.65
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	20	0.65
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	20	0.65
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	20	0.65
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	20	0.65
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:B:124:VAL:HG11	1:B:122:GLY:HA2	5	0.65
(1,1074)	1:B:124:VAL:HG12	1:B:122:GLY:HA2	5	0.65
(1,1074)	1:B:124:VAL:HG13	1:B:122:GLY:HA2	5	0.65
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	12	0.65
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	12	0.65
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	12	0.65
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	12	0.65
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	12	0.65
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	12	0.65
(3,890)	1:B:37:LEU:HB3	1:B:36:ILE:HA	7	0.64
(3,890)	1:B:37:LEU:HB3	1:B:54:LEU:HA	7	0.64
(3,890)	1:B:37:LEU:HB3	1:B:36:ILE:HA	13	0.64
(3,890)	1:B:37:LEU:HB3	1:B:54:LEU:HA	13	0.64
(3,890)	1:B:37:LEU:HB3	1:B:36:ILE:HA	19	0.64
(3,890)	1:B:37:LEU:HB3	1:B:54:LEU:HA	19	0.64
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD11	11	0.64
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD12	11	0.64
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD13	11	0.64
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD11	11	0.64
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD12	11	0.64
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD13	11	0.64
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	10	0.64
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	10	0.64
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	10	0.64
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	10	0.64
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	10	0.64
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	10	0.64
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	10	0.64
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	10	0.64
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	10	0.64
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	10	0.64
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	10	0.64
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	10	0.64
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	10	0.64
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	10	0.64
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	10	0.64
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	10	0.64
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	10	0.64
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	10	0.64
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	16	0.64
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	16	0.64
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	16	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	16	0.64
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	16	0.64
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	16	0.64
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	16	0.64
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	16	0.64
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	16	0.64
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	16	0.64
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	16	0.64
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	16	0.64
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	16	0.64
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	16	0.64
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	16	0.64
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	16	0.64
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	16	0.64
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	16	0.64
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	14	0.64
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	14	0.64
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	14	0.64
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	14	0.64
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	14	0.64
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	14	0.64
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	18	0.64
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	18	0.64
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	18	0.64
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	18	0.64
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	18	0.64
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	18	0.64
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	18	0.64
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	18	0.64
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	18	0.64
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	18	0.64
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	18	0.64
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	18	0.64
(3,558)	1:B:84:LEU:HD21	1:B:118:LEU:HA	5	0.64
(3,558)	1:B:84:LEU:HD22	1:B:118:LEU:HA	5	0.64
(3,558)	1:B:84:LEU:HD23	1:B:118:LEU:HA	5	0.64
(3,558)	1:B:84:LEU:HD21	1:B:101:ILE:HA	5	0.64
(3,558)	1:B:84:LEU:HD22	1:B:101:ILE:HA	5	0.64
(3,558)	1:B:84:LEU:HD23	1:B:101:ILE:HA	5	0.64
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	1	0.64
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	1	0.64
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	1	0.64
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	1	0.64
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	1	0.64
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	1	0.64
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	1	0.64
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	1	0.64
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	1	0.64
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	1	0.64
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	1	0.64
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD11	9	0.64
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD12	9	0.64
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD13	9	0.64
(3,261)	1:B:117:LYS:H	1:B:123:LEU:HB2	9	0.64
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	12	0.64
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	12	0.64
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	12	0.64
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	12	0.64
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	12	0.64
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	12	0.64
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	7	0.64
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	7	0.64
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	7	0.64
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	7	0.64
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	7	0.64
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	7	0.64
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	13	0.64
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	13	0.64
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	13	0.64
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	13	0.64
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	13	0.64
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	13	0.64
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	3	0.64
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	3	0.64
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	3	0.64
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	3	0.64
(3,1770)	1:B:17:LEU:HD21	1:B:14:GLU:HB2	6	0.64
(3,1770)	1:B:17:LEU:HD22	1:B:14:GLU:HB2	6	0.64
(3,1770)	1:B:17:LEU:HD23	1:B:14:GLU:HB2	6	0.64
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG3	6	0.64
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG3	6	0.64
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG3	6	0.64
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG2	6	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG2	6	0.64
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG2	6	0.64
(3,1770)	1:B:17:LEU:HD21	1:B:33:VAL:HB	6	0.64
(3,1770)	1:B:17:LEU:HD22	1:B:33:VAL:HB	6	0.64
(3,1770)	1:B:17:LEU:HD23	1:B:33:VAL:HB	6	0.64
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	5	0.64
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	5	0.64
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	5	0.64
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	5	0.64
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	5	0.64
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	5	0.64
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	5	0.64
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	5	0.64
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	5	0.64
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	15	0.64
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	15	0.64
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	15	0.64
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	15	0.64
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	15	0.64
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	15	0.64
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	6	0.64
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	6	0.64
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	6	0.64
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	6	0.64
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	6	0.64
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	6	0.64
(3,1262)	1:B:65:ASP:HB3	1:B:63:VAL:HA	11	0.64
(3,1262)	1:B:65:ASP:HB3	1:B:55:VAL:HA	11	0.64
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	4	0.64
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	4	0.64
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	4	0.64
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	17	0.64
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	9	0.64
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	9	0.64
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	9	0.64
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	9	0.64
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	9	0.64
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	9	0.64
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	9	0.64
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	9	0.64
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	9	0.64
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	9	0.64
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	9	0.64
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	20	0.64
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	20	0.64
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	20	0.64
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	13	0.64
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	13	0.64
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	13	0.64
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	2	0.64
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	2	0.64
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	2	0.64
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	2	0.64
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	2	0.64
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	2	0.64
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	10	0.64
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	19	0.64
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	16	0.64
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	16	0.64
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	16	0.64
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	16	0.64
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	16	0.64
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	16	0.64
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG21	10	0.64
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG22	10	0.64
(1,2454)	1:B:30:GLN:HA	1:B:27:VAL:HG23	10	0.64
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	1	0.64
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	3	0.64
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	3	0.64
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	3	0.64
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	3	0.64
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	3	0.64
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	3	0.64
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	9	0.64
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	9	0.64
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	9	0.64
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	2	0.64
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	2	0.64
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	2	0.64
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	2	0.64
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	2	0.64
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	2	0.64
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	17	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	17	0.64
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	17	0.64
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD1	8	0.64
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HD2	8	0.64
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD1	8	0.64
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HD2	8	0.64
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD1	8	0.64
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HD2	8	0.64
(1,1247)	1:B:87:LEU:HD11	1:B:91:PHE:HZ	8	0.64
(1,1247)	1:B:87:LEU:HD12	1:B:91:PHE:HZ	8	0.64
(1,1247)	1:B:87:LEU:HD13	1:B:91:PHE:HZ	8	0.64
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	7	0.64
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	7	0.64
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	7	0.64
(1,1230)	1:B:115:VAL:HG21	1:B:116:ASP:HB2	8	0.64
(1,1230)	1:B:115:VAL:HG22	1:B:116:ASP:HB2	8	0.64
(1,1230)	1:B:115:VAL:HG23	1:B:116:ASP:HB2	8	0.64
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	4	0.64
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	4	0.64
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	4	0.64
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	4	0.64
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	4	0.64
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	4	0.64
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	4	0.64
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	4	0.64
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	4	0.64
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	6	0.64
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	6	0.64
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	6	0.64
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	6	0.64
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	6	0.64
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	6	0.64
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD21	5	0.63
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD22	5	0.63
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD23	5	0.63
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD21	5	0.63
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD22	5	0.63
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD23	5	0.63
(3,890)	1:B:37:LEU:HB3	1:B:36:ILE:HA	3	0.63
(3,890)	1:B:37:LEU:HB3	1:B:54:LEU:HA	3	0.63
(3,890)	1:B:37:LEU:HB3	1:B:36:ILE:HA	5	0.63
(3,890)	1:B:37:LEU:HB3	1:B:54:LEU:HA	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,890)	1:B:37:LEU:HB3	1:B:36:ILE:HA	17	0.63
(3,890)	1:B:37:LEU:HB3	1:B:54:LEU:HA	17	0.63
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	7	0.63
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	7	0.63
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	7	0.63
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	7	0.63
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	7	0.63
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	7	0.63
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	14	0.63
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	14	0.63
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	14	0.63
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	14	0.63
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	14	0.63
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	14	0.63
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	14	0.63
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	14	0.63
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	14	0.63
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	14	0.63
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	14	0.63
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	14	0.63
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	14	0.63
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	14	0.63
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	14	0.63
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	14	0.63
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	14	0.63
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	14	0.63
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	6	0.63
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	6	0.63
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	6	0.63
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	6	0.63
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	6	0.63
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	6	0.63
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	10	0.63
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	10	0.63
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	10	0.63
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	10	0.63
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	10	0.63
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	10	0.63
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	10	0.63
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	10	0.63
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD21	7	0.63
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD22	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD23	7	0.63
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG11	7	0.63
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG12	7	0.63
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG13	7	0.63
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD11	2	0.63
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD12	2	0.63
(3,237)	1:B:110:SER:H	1:B:105:ILE:HD13	2	0.63
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD11	2	0.63
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD12	2	0.63
(3,237)	1:B:110:SER:H	1:B:84:LEU:HD13	2	0.63
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	9	0.63
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	9	0.63
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	9	0.63
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	9	0.63
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	9	0.63
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	9	0.63
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	7	0.63
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	7	0.63
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	7	0.63
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	7	0.63
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	7	0.63
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	7	0.63
(3,1545)	1:B:43:VAL:HG11	1:B:7:PRO:HB2	11	0.63
(3,1545)	1:B:43:VAL:HG12	1:B:7:PRO:HB2	11	0.63
(3,1545)	1:B:43:VAL:HG13	1:B:7:PRO:HB2	11	0.63
(3,1545)	1:B:43:VAL:HG11	1:B:45:ARG:HB3	11	0.63
(3,1545)	1:B:43:VAL:HG12	1:B:45:ARG:HB3	11	0.63
(3,1545)	1:B:43:VAL:HG13	1:B:45:ARG:HB3	11	0.63
(3,1545)	1:B:43:VAL:HG11	1:B:45:ARG:HB2	11	0.63
(3,1545)	1:B:43:VAL:HG12	1:B:45:ARG:HB2	11	0.63
(3,1545)	1:B:43:VAL:HG13	1:B:45:ARG:HB2	11	0.63
(3,1528)	1:B:46:THR:HB	1:B:45:ARG:HG2	1	0.63
(3,1528)	1:B:46:THR:HB	1:B:48:LYS:HG3	1	0.63
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	1	0.63
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	1	0.63
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	1	0.63
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	1	0.63
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	1	0.63
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	1	0.63
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	1	0.63
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	1	0.63
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	1	0.63
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	1	0.63
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	1	0.63
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	19	0.63
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	19	0.63
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	19	0.63
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	19	0.63
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	19	0.63
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	19	0.63
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	19	0.63
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	19	0.63
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	19	0.63
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	19	0.63
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	19	0.63
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	19	0.63
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	20	0.63
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	20	0.63
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	20	0.63
(3,1120)	1:B:79:ASP:HA	1:B:82:LEU:HB3	10	0.63
(3,1120)	1:B:62:SER:HA	1:B:64:LYS:HB3	10	0.63
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	4	0.63
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	4	0.63
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	4	0.63
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	4	0.63
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	4	0.63
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	4	0.63
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	18	0.63
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	18	0.63
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	18	0.63
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	18	0.63
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	18	0.63
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	18	0.63
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	18	0.63
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	18	0.63
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	18	0.63
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	18	0.63
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	18	0.63
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	18	0.63
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	20	0.63
(1,980)	1:B:33:VAL:HG11	1:B:51:ILE:HG13	5	0.63
(1,980)	1:B:33:VAL:HG12	1:B:51:ILE:HG13	5	0.63
(1,980)	1:B:33:VAL:HG13	1:B:51:ILE:HG13	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	8	0.63
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	8	0.63
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	8	0.63
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	18	0.63
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	18	0.63
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	18	0.63
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	18	0.63
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	18	0.63
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	18	0.63
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	6	0.63
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	6	0.63
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	6	0.63
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	6	0.63
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	6	0.63
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	6	0.63
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	6	0.63
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	6	0.63
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	6	0.63
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	6	0.63
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	6	0.63
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	6	0.63
(1,414)	1:B:65:ASP:H	1:B:65:ASP:HB3	12	0.63
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	18	0.63
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	18	0.63
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	18	0.63
(1,2339)	1:B:40:LEU:HD11	1:B:9:TRP:HH2	16	0.63
(1,2339)	1:B:40:LEU:HD12	1:B:9:TRP:HH2	16	0.63
(1,2339)	1:B:40:LEU:HD13	1:B:9:TRP:HH2	16	0.63
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	19	0.63
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	19	0.63
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	19	0.63
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	6	0.63
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	6	0.63
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	6	0.63
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	12	0.63
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	12	0.63
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	12	0.63
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	20	0.63
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	20	0.63
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	20	0.63
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	3	0.63
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	3	0.63
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	10	0.63
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	10	0.63
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	10	0.63
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	10	0.63
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	10	0.63
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	10	0.63
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	1	0.63
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	1	0.63
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	1	0.63
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG21	14	0.63
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG22	14	0.63
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG23	14	0.63
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	3	0.63
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	3	0.63
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	3	0.63
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	3	0.63
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	3	0.63
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	3	0.63
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	3	0.63
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	3	0.63
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	3	0.63
(1,1224)	1:B:87:LEU:HD11	1:B:101:ILE:HA	5	0.63
(1,1224)	1:B:87:LEU:HD12	1:B:101:ILE:HA	5	0.63
(1,1224)	1:B:87:LEU:HD13	1:B:101:ILE:HA	5	0.63
(1,10)	1:B:5:ARG:H	1:B:5:ARG:HB2	17	0.63
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	20	0.62
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	20	0.62
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	14	0.62
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	14	0.62
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	14	0.62
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	14	0.62
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	14	0.62
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	14	0.62
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG3	16	0.62
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG2	16	0.62
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG3	16	0.62
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG2	16	0.62
(3,797)	1:B:64:LYS:HG2	1:B:65:ASP:HB3	16	0.62
(3,797)	1:B:64:LYS:HG3	1:B:65:ASP:HB3	16	0.62
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	19	0.62
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	19	0.62
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	19	0.62
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	19	0.62
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	19	0.62
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB2	17	0.62
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB3	17	0.62
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB2	17	0.62
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB3	17	0.62
(3,479)	1:B:131:TYR:HB3	1:B:128:ARG:HB2	17	0.62
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	2	0.62
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	2	0.62
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	2	0.62
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	2	0.62
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	2	0.62
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	2	0.62
(3,232)	1:B:104:ASN:H	1:B:87:LEU:HB3	13	0.62
(3,232)	1:B:104:ASN:H	1:B:105:ILE:HG12	13	0.62
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD11	17	0.62
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD12	17	0.62
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD13	17	0.62
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD11	17	0.62
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD12	17	0.62
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD13	17	0.62
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	12	0.62
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	12	0.62
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	12	0.62
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	12	0.62
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	12	0.62
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	12	0.62
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	12	0.62
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	12	0.62
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	12	0.62
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	12	0.62
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	12	0.62
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	12	0.62
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	12	0.62
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	12	0.62
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	12	0.62
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	12	0.62
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	12	0.62
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	12	0.62
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	19	0.62
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	19	0.62
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	19	0.62
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	19	0.62
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	19	0.62
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	3	0.62
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	3	0.62
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	3	0.62
(3,1417)	1:B:52:HIS:HD2	1:B:63:VAL:HB	12	0.62
(3,1417)	1:B:9:TRP:HE3	1:B:17:LEU:HB3	12	0.62
(3,1352)	1:B:56:GLN:HG3	1:B:54:LEU:HA	12	0.62
(3,1352)	1:B:30:GLN:HG2	1:B:36:ILE:HA	12	0.62
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	16	0.62
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	16	0.62
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	16	0.62
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	16	0.62
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	16	0.62
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	16	0.62
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	10	0.62
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	10	0.62
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	10	0.62
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	10	0.62
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	10	0.62
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	10	0.62
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	10	0.62
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	10	0.62
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	10	0.62
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	10	0.62
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	10	0.62
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	10	0.62
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	17	0.62
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	17	0.62
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	17	0.62
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	17	0.62
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	17	0.62
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	17	0.62
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	10	0.62
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	10	0.62
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	10	0.62
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	10	0.62
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	10	0.62
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	10	0.62
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	10	0.62
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	10	0.62
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	10	0.62
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	10	0.62
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	10	0.62
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	4	0.62
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	4	0.62
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	4	0.62
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	4	0.62
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	4	0.62
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	4	0.62
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	4	0.62
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	4	0.62
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	4	0.62
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	4	0.62
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	4	0.62
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	4	0.62
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	17	0.62
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	17	0.62
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	17	0.62
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	17	0.62
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	17	0.62
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	8	0.62
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	8	0.62
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	8	0.62
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	1	0.62
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	1	0.62
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	1	0.62
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	1	0.62
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	1	0.62
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	1	0.62
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	14	0.62
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	14	0.62
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	14	0.62
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	14	0.62
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	14	0.62
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	14	0.62
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	15	0.62
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	15	0.62
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	15	0.62
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	15	0.62
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	15	0.62
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	19	0.62
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	19	0.62
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	19	0.62
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	19	0.62
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	19	0.62
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	19	0.62
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	16	0.62
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	16	0.62
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	16	0.62
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	16	0.62
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	16	0.62
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	16	0.62
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	16	0.62
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	16	0.62
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	16	0.62
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	16	0.62
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	16	0.62
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	16	0.62
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	4	0.62
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	4	0.62
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	13	0.62
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	13	0.62
(1,669)	1:B:107:ALA:H	1:B:105:ILE:HG12	1	0.62
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	9	0.62
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	3	0.62
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	3	0.62
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	3	0.62
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	3	0.62
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	3	0.62
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	3	0.62
(1,2556)	1:B:17:LEU:HD21	1:B:54:LEU:HA	6	0.62
(1,2556)	1:B:17:LEU:HD22	1:B:54:LEU:HA	6	0.62
(1,2556)	1:B:17:LEU:HD23	1:B:54:LEU:HA	6	0.62
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	9	0.62
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	9	0.62
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	9	0.62
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	13	0.62
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	13	0.62
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	13	0.62
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	2	0.62
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	2	0.62
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	4	0.62
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	4	0.62
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	4	0.62
(1,1903)	1:B:65:ASP:HB3	1:B:64:LYS:HA	4	0.62
(1,1903)	1:B:65:ASP:HB3	1:B:64:LYS:HA	14	0.62
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	1	0.62
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	1	0.62
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	18	0.62
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	18	0.62
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	5	0.62
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	5	0.62
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	5	0.62
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	1	0.62
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	1	0.62
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	1	0.62
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	1	0.62
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	1	0.62
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	1	0.62
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	1	0.62
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	1	0.62
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	1	0.62
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	7	0.62
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	7	0.62
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	7	0.62
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	6	0.62
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	6	0.62
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	6	0.62
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	6	0.62
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	6	0.62
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	6	0.62
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	9	0.62
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	9	0.62
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	9	0.62
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	9	0.62
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	9	0.62
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	9	0.62
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	12	0.62
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	12	0.62
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	13	0.61
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,890)	1:B:37:LEU:HB3	1:B:36:ILE:HA	14	0.61
(3,890)	1:B:37:LEU:HB3	1:B:54:LEU:HA	14	0.61
(3,865)	1:B:101:ILE:HD11	1:B:102:MET:HG3	7	0.61
(3,865)	1:B:101:ILE:HD12	1:B:102:MET:HG3	7	0.61
(3,865)	1:B:101:ILE:HD13	1:B:102:MET:HG3	7	0.61
(3,865)	1:B:105:ILE:HD11	1:B:102:MET:HG3	7	0.61
(3,865)	1:B:105:ILE:HD12	1:B:102:MET:HG3	7	0.61
(3,865)	1:B:105:ILE:HD13	1:B:102:MET:HG3	7	0.61
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	3	0.61
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	3	0.61
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	3	0.61
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	3	0.61
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	3	0.61
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	3	0.61
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	1	0.61
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	1	0.61
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	1	0.61
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	1	0.61
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	1	0.61
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	1	0.61
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	1	0.61
(3,558)	1:B:84:LEU:HD21	1:B:118:LEU:HA	11	0.61
(3,558)	1:B:84:LEU:HD22	1:B:118:LEU:HA	11	0.61
(3,558)	1:B:84:LEU:HD23	1:B:118:LEU:HA	11	0.61
(3,558)	1:B:84:LEU:HD21	1:B:101:ILE:HA	11	0.61
(3,558)	1:B:84:LEU:HD22	1:B:101:ILE:HA	11	0.61
(3,558)	1:B:84:LEU:HD23	1:B:101:ILE:HA	11	0.61
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	17	0.61
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	17	0.61
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	17	0.61
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	17	0.61
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	17	0.61
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	17	0.61
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	17	0.61
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	17	0.61
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	12	0.61
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	12	0.61
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	12	0.61
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	12	0.61
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	12	0.61
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	12	0.61
(3,1682)	1:B:28:GLU:HB3	1:B:27:VAL:HG21	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1682)	1:B:28:GLU:HB3	1:B:27:VAL:HG22	9	0.61
(3,1682)	1:B:28:GLU:HB3	1:B:27:VAL:HG23	9	0.61
(3,1682)	1:B:86:ARG:HB2	1:B:82:LEU:HD21	9	0.61
(3,1682)	1:B:86:ARG:HB2	1:B:82:LEU:HD22	9	0.61
(3,1682)	1:B:86:ARG:HB2	1:B:82:LEU:HD23	9	0.61
(3,1682)	1:B:86:ARG:HB3	1:B:82:LEU:HD21	9	0.61
(3,1682)	1:B:86:ARG:HB3	1:B:82:LEU:HD22	9	0.61
(3,1682)	1:B:86:ARG:HB3	1:B:82:LEU:HD23	9	0.61
(3,1682)	1:B:28:GLU:HB2	1:B:27:VAL:HG21	9	0.61
(3,1682)	1:B:28:GLU:HB2	1:B:27:VAL:HG22	9	0.61
(3,1682)	1:B:28:GLU:HB2	1:B:27:VAL:HG23	9	0.61
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	2	0.61
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	2	0.61
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	2	0.61
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	2	0.61
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	2	0.61
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	2	0.61
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	2	0.61
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	2	0.61
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	2	0.61
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	2	0.61
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	2	0.61
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	2	0.61
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB2	13	0.61
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB2	13	0.61
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB2	13	0.61
(3,1189)	1:B:73:ILE:HG21	1:B:114:ILE:HB	13	0.61
(3,1189)	1:B:73:ILE:HG22	1:B:114:ILE:HB	13	0.61
(3,1189)	1:B:73:ILE:HG23	1:B:114:ILE:HB	13	0.61
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB3	13	0.61
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB3	13	0.61
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB3	13	0.61
(3,1189)	1:B:73:ILE:HG21	1:B:113:ARG:HB3	13	0.61
(3,1189)	1:B:73:ILE:HG22	1:B:113:ARG:HB3	13	0.61
(3,1189)	1:B:73:ILE:HG23	1:B:113:ARG:HB3	13	0.61
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HG3	13	0.61
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HG3	13	0.61
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HG3	13	0.61
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	3	0.61
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	3	0.61
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	3	0.61
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	3	0.61
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	3	0.61
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	3	0.61
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	3	0.61
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	3	0.61
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	3	0.61
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	3	0.61
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	3	0.61
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	3	0.61
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	3	0.61
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	3	0.61
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	3	0.61
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	3	0.61
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	3	0.61
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	5	0.61
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	5	0.61
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	5	0.61
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	5	0.61
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	5	0.61
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	5	0.61
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	5	0.61
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	5	0.61
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	5	0.61
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	5	0.61
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	5	0.61
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	5	0.61
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	5	0.61
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	5	0.61
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	5	0.61
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	5	0.61
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	5	0.61
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	5	0.61
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	16	0.61
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	16	0.61
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	16	0.61
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	16	0.61
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	16	0.61
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	16	0.61
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	16	0.61
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	16	0.61
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	16	0.61
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	16	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	16	0.61
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	16	0.61
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	5	0.61
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	5	0.61
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	5	0.61
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	5	0.61
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	5	0.61
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	5	0.61
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	5	0.61
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	5	0.61
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	5	0.61
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	5	0.61
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	5	0.61
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	5	0.61
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	7	0.61
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	7	0.61
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	7	0.61
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	10	0.61
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	10	0.61
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	10	0.61
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	19	0.61
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	19	0.61
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	19	0.61
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	14	0.61
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	14	0.61
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	14	0.61
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	14	0.61
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	14	0.61
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	14	0.61
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	14	0.61
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	4	0.61
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	4	0.61
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	4	0.61
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	4	0.61
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	4	0.61
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	4	0.61
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	7	0.61
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	7	0.61
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	7	0.61
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	7	0.61
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	7	0.61
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	7	0.61
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	7	0.61
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	7	0.61
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	7	0.61
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	7	0.61
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	7	0.61
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	20	0.61
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	20	0.61
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	20	0.61
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG3	18	0.61
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG2	18	0.61
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	8	0.61
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	8	0.61
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	6	0.61
(1,415)	1:B:65:ASP:H	1:B:64:LYS:HB2	12	0.61
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	14	0.61
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	12	0.61
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	18	0.61
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	18	0.61
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	18	0.61
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	18	0.61
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	18	0.61
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	18	0.61
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	17	0.61
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	17	0.61
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	17	0.61
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG11	19	0.61
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG12	19	0.61
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG13	19	0.61
(1,1734)	1:B:85:GLN:HG3	1:B:88:PHE:HB3	14	0.61
(1,1693)	1:B:20:LEU:HD11	1:B:24:ASN:H	16	0.61
(1,1693)	1:B:20:LEU:HD12	1:B:24:ASN:H	16	0.61
(1,1693)	1:B:20:LEU:HD13	1:B:24:ASN:H	16	0.61
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	18	0.61
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE1	10	0.61
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE2	10	0.61
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	6	0.61
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	6	0.61
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	6	0.61
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	1	0.61
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	1	0.61
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	1	0.61
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	1	0.61
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	1	0.61
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	18	0.61
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	18	0.61
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	18	0.61
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	18	0.61
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	18	0.61
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	18	0.61
(1,10)	1:B:5:ARG:H	1:B:5:ARG:HB2	6	0.61
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	11	0.6
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	11	0.6
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	11	0.6
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	11	0.6
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	11	0.6
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	11	0.6
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	11	0.6
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	11	0.6
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	11	0.6
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	19	0.6
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	19	0.6
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	19	0.6
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	19	0.6
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	19	0.6
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	19	0.6
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	19	0.6
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	19	0.6
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	19	0.6
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	3	0.6
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	3	0.6
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	3	0.6
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	3	0.6
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	3	0.6
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	3	0.6
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	3	0.6
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	3	0.6
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	3	0.6
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	3	0.6
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	3	0.6
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	3	0.6
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	3	0.6
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	3	0.6
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	3	0.6
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	3	0.6
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	3	0.6
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	14	0.6
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	14	0.6
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	14	0.6
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	14	0.6
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	14	0.6
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	14	0.6
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	17	0.6
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	17	0.6
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	17	0.6
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	17	0.6
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	17	0.6
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	17	0.6
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	17	0.6
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	10	0.6
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	10	0.6
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	10	0.6
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	10	0.6
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	13	0.6
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	13	0.6
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	13	0.6
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	13	0.6
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	13	0.6
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	13	0.6
(3,257)	1:B:116:ASP:H	1:B:127:ARG:HG3	20	0.6
(3,257)	1:B:116:ASP:H	1:B:118:LEU:HB3	20	0.6
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	15	0.6
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	15	0.6
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	3	0.6
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	3	0.6
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	3	0.6
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	3	0.6
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	3	0.6
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	3	0.6
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	3	0.6
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	3	0.6
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	7	0.6
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	7	0.6
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	7	0.6
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	7	0.6
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	7	0.6
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	19	0.6
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	19	0.6
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	19	0.6
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	19	0.6
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	19	0.6
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	19	0.6
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	19	0.6
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	19	0.6
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	19	0.6
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	20	0.6
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	20	0.6
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	20	0.6
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	20	0.6
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	20	0.6
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	20	0.6
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	20	0.6
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	20	0.6
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	20	0.6
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	3	0.6
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	3	0.6
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	3	0.6
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	3	0.6
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	3	0.6
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	3	0.6
(3,1180)	1:B:74:VAL:HG21	1:B:76:TRP:HZ3	9	0.6
(3,1180)	1:B:74:VAL:HG22	1:B:76:TRP:HZ3	9	0.6
(3,1180)	1:B:74:VAL:HG23	1:B:76:TRP:HZ3	9	0.6
(3,1180)	1:B:74:VAL:HG21	1:B:72:HIS:HD2	9	0.6
(3,1180)	1:B:74:VAL:HG22	1:B:72:HIS:HD2	9	0.6
(3,1180)	1:B:74:VAL:HG23	1:B:72:HIS:HD2	9	0.6
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	7	0.6
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	7	0.6
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	7	0.6
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	7	0.6
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	7	0.6
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	7	0.6
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	7	0.6
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	7	0.6
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	7	0.6
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	7	0.6
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	7	0.6
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	7	0.6
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	7	0.6
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	7	0.6
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	7	0.6
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	7	0.6
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	7	0.6
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	17	0.6
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	17	0.6
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	17	0.6
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	1	0.6
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	1	0.6
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	1	0.6
(2,33)	1:B:74:VAL:HG21	1:B:114:ILE:HG12	11	0.6
(2,33)	1:B:74:VAL:HG22	1:B:114:ILE:HG12	11	0.6
(2,33)	1:B:74:VAL:HG23	1:B:114:ILE:HG12	11	0.6
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	11	0.6
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	16	0.6
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	19	0.6
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	4	0.6
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	4	0.6
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	11	0.6
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	11	0.6
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	11	0.6
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	8	0.6
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	8	0.6
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	8	0.6
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	12	0.6
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	12	0.6
(1,415)	1:B:65:ASP:H	1:B:64:LYS:HB2	3	0.6
(1,414)	1:B:65:ASP:H	1:B:65:ASP:HB3	11	0.6
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	20	0.6
(1,2736)	1:B:76:TRP:HH2	1:B:114:ILE:HG13	6	0.6
(1,2710)	1:B:87:LEU:HD11	1:B:104:ASN:HB2	19	0.6
(1,2710)	1:B:87:LEU:HD12	1:B:104:ASN:HB2	19	0.6
(1,2710)	1:B:87:LEU:HD13	1:B:104:ASN:HB2	19	0.6
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	18	0.6
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	17	0.6
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	17	0.6
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	17	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	15	0.6
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	15	0.6
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	15	0.6
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	15	0.6
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	15	0.6
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	15	0.6
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	8	0.6
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	8	0.6
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	8	0.6
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	8	0.6
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	8	0.6
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	8	0.6
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	18	0.6
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	18	0.6
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	18	0.6
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	19	0.6
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	19	0.6
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	19	0.6
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	5	0.6
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	5	0.6
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	5	0.6
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	5	0.6
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	5	0.6
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	5	0.6
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	5	0.6
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	5	0.6
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	5	0.6
(1,1903)	1:B:65:ASP:HB3	1:B:64:LYS:HA	12	0.6
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG21	17	0.6
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG22	17	0.6
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG23	17	0.6
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	19	0.6
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	19	0.6
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	19	0.6
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	19	0.6
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	19	0.6
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	19	0.6
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	19	0.6
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	19	0.6
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	19	0.6
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	19	0.6
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	19	0.6
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	18	0.6
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	18	0.6
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	18	0.6
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	9	0.6
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	9	0.6
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	9	0.6
(1,1388)	1:B:106:THR:HG21	1:B:80:GLN:HG2	1	0.6
(1,1388)	1:B:106:THR:HG22	1:B:80:GLN:HG2	1	0.6
(1,1388)	1:B:106:THR:HG23	1:B:80:GLN:HG2	1	0.6
(1,1374)	1:B:107:ALA:HB1	1:B:80:GLN:HE22	5	0.6
(1,1374)	1:B:107:ALA:HB2	1:B:80:GLN:HE22	5	0.6
(1,1374)	1:B:107:ALA:HB3	1:B:80:GLN:HE22	5	0.6
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	3	0.6
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	3	0.6
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	3	0.6
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	16	0.6
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	16	0.6
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	16	0.6
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	16	0.6
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	16	0.6
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	16	0.6
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	19	0.6
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	19	0.6
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	1	0.59
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	1	0.59
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	1	0.59
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	1	0.59
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	1	0.59
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	1	0.59
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	11	0.59
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	11	0.59
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	11	0.59
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	11	0.59
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	11	0.59
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	11	0.59
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	11	0.59
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	11	0.59
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	11	0.59
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	11	0.59
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	11	0.59
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	11	0.59
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	11	0.59
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	11	0.59
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	11	0.59
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	11	0.59
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	11	0.59
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	15	0.59
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	15	0.59
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	15	0.59
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	15	0.59
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	15	0.59
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	15	0.59
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	15	0.59
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	15	0.59
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	15	0.59
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	15	0.59
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	15	0.59
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	15	0.59
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	15	0.59
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	15	0.59
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	15	0.59
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	15	0.59
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	15	0.59
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	15	0.59
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	11	0.59
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	11	0.59
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	11	0.59
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	11	0.59
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	11	0.59
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	11	0.59
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	11	0.59
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	11	0.59
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	11	0.59
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	11	0.59
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	11	0.59
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	11	0.59
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB3	15	0.59
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB2	15	0.59
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB3	15	0.59
(3,658)	1:B:95:ASP:HB2	1:B:132:LYS:HB2	15	0.59
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB2	15	0.59
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	1	0.59
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	1	0.59
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	1	0.59
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	1	0.59
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	1	0.59
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	3	0.59
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	3	0.59
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	3	0.59
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	3	0.59
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	3	0.59
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	3	0.59
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	9	0.59
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	9	0.59
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	9	0.59
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	9	0.59
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	9	0.59
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	9	0.59
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	14	0.59
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	14	0.59
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	14	0.59
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	14	0.59
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	14	0.59
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	14	0.59
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	17	0.59
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	17	0.59
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	17	0.59
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	17	0.59
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	17	0.59
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	17	0.59
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	18	0.59
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	18	0.59
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	18	0.59
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	18	0.59
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	18	0.59
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	18	0.59
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	5	0.59
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	5	0.59
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	5	0.59
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	5	0.59
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	5	0.59
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	5	0.59
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	5	0.59
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	2	0.59
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	2	0.59
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	2	0.59
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	1	0.59
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	1	0.59
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	1	0.59
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	1	0.59
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	1	0.59
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	1	0.59
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD21	10	0.59
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD22	10	0.59
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD23	10	0.59
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG11	10	0.59
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG12	10	0.59
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG13	10	0.59
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD21	12	0.59
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD22	12	0.59
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD23	12	0.59
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG11	12	0.59
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG12	12	0.59
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG13	12	0.59
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD11	5	0.59
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD12	5	0.59
(3,261)	1:B:117:LYS:H	1:B:84:LEU:HD13	5	0.59
(3,261)	1:B:117:LYS:H	1:B:123:LEU:HB2	5	0.59
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	4	0.59
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	4	0.59
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	4	0.59
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	4	0.59
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	4	0.59
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	4	0.59
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	4	0.59
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	4	0.59
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	4	0.59
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	4	0.59
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	4	0.59
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	4	0.59
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	4	0.59
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	4	0.59
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	4	0.59
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	4	0.59
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	4	0.59
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	8	0.59
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	8	0.59
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	8	0.59
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	8	0.59
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	8	0.59
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	8	0.59
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	15	0.59
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	15	0.59
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	15	0.59
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	15	0.59
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	15	0.59
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	15	0.59
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	19	0.59
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	19	0.59
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	19	0.59
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	19	0.59
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	19	0.59
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	19	0.59
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	20	0.59
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	20	0.59
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	20	0.59
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	20	0.59
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	20	0.59
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	20	0.59
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	3	0.59
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	3	0.59
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	3	0.59
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	3	0.59
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	3	0.59
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	3	0.59
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	3	0.59
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	3	0.59
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	3	0.59
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	1	0.59
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	1	0.59
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	1	0.59
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	1	0.59
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	1	0.59
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	1	0.59
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	1	0.59
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	1	0.59
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	1	0.59
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	1	0.59
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	1	0.59
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	1	0.59
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	1	0.59
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	1	0.59
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD21	20	0.59
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD22	20	0.59
(2,49)	1:B:40:LEU:HB3	1:B:20:LEU:HD23	20	0.59
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	1	0.59
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	1	0.59
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	1	0.59
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	15	0.59
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	15	0.59
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	15	0.59
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	9	0.59
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	9	0.59
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	15	0.59
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	15	0.59
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	10	0.59
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	10	0.59
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	10	0.59
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	10	0.59
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	10	0.59
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	10	0.59
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	12	0.59
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	12	0.59
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	12	0.59
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	12	0.59
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	12	0.59
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	12	0.59
(1,414)	1:B:65:ASP:H	1:B:65:ASP:HB3	4	0.59
(1,414)	1:B:65:ASP:H	1:B:65:ASP:HB3	7	0.59
(1,2619)	1:B:11:PRO:HA	1:B:14:GLU:HB2	3	0.59
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	1	0.59
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	1	0.59
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	1	0.59
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	13	0.59
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	13	0.59
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG21	12	0.59
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG22	12	0.59
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG23	12	0.59
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	17	0.59
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	17	0.59
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	17	0.59
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	17	0.59
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	17	0.59
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	17	0.59
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	17	0.59
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	17	0.59
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	17	0.59
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	20	0.59
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	20	0.59
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	20	0.59
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	11	0.59
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	11	0.59
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	11	0.59
(1,1806)	1:B:74:VAL:HG11	1:B:109:ARG:HD3	19	0.59
(1,1806)	1:B:74:VAL:HG12	1:B:109:ARG:HD3	19	0.59
(1,1806)	1:B:74:VAL:HG13	1:B:109:ARG:HD3	19	0.59
(1,1722)	1:B:56:GLN:HA	1:B:56:GLN:HG2	19	0.59
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG11	18	0.59
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG12	18	0.59
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG13	18	0.59
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	10	0.59
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	10	0.59
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	10	0.59
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	9	0.59
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	9	0.59
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	9	0.59
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	9	0.59
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	9	0.59
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	9	0.59
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	9	0.59
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	9	0.59
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	9	0.59
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	9	0.59
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	9	0.59
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	9	0.59
(1,1504)	1:B:98:LEU:HD21	1:B:102:MET:HG2	19	0.59
(1,1504)	1:B:98:LEU:HD22	1:B:102:MET:HG2	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1504)	1:B:98:LEU:HD23	1:B:102:MET:HG2	19	0.59
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	17	0.59
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	18	0.59
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	18	0.59
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	18	0.59
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD11	8	0.59
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD12	8	0.59
(1,1147)	1:B:23:ALA:HB1	1:B:20:LEU:HD13	8	0.59
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD11	8	0.59
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD12	8	0.59
(1,1147)	1:B:23:ALA:HB2	1:B:20:LEU:HD13	8	0.59
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD11	8	0.59
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD12	8	0.59
(1,1147)	1:B:23:ALA:HB3	1:B:20:LEU:HD13	8	0.59
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	12	0.58
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	12	0.58
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	16	0.58
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	16	0.58
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	16	0.58
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	16	0.58
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	16	0.58
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	16	0.58
(3,890)	1:B:37:LEU:HB3	1:B:36:ILE:HA	11	0.58
(3,890)	1:B:37:LEU:HB3	1:B:54:LEU:HA	11	0.58
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	6	0.58
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	6	0.58
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	6	0.58
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	6	0.58
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	6	0.58
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	6	0.58
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	17	0.58
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	17	0.58
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	17	0.58
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	17	0.58
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	17	0.58
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	17	0.58
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	17	0.58
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	17	0.58
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	17	0.58
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	17	0.58
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	17	0.58
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	17	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	17	0.58
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	17	0.58
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	17	0.58
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	17	0.58
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	17	0.58
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	17	0.58
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	3	0.58
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	3	0.58
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	3	0.58
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	3	0.58
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	3	0.58
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	3	0.58
(3,722)	1:B:27:VAL:HG11	1:B:30:GLN:HE21	10	0.58
(3,722)	1:B:27:VAL:HG12	1:B:30:GLN:HE21	10	0.58
(3,722)	1:B:27:VAL:HG13	1:B:30:GLN:HE21	10	0.58
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE1	10	0.58
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE2	10	0.58
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE1	10	0.58
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE2	10	0.58
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE1	10	0.58
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE2	10	0.58
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	1	0.58
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	1	0.58
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	1	0.58
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	1	0.58
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	1	0.58
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	1	0.58
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	1	0.58
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	1	0.58
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	1	0.58
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	2	0.58
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	2	0.58
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	2	0.58
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	2	0.58
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	2	0.58
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	2	0.58
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	4	0.58
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	4	0.58
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	4	0.58
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	4	0.58
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	4	0.58
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	7	0.58
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	7	0.58
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	7	0.58
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	7	0.58
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	7	0.58
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	7	0.58
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	12	0.58
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	12	0.58
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	12	0.58
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	12	0.58
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	12	0.58
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	12	0.58
(3,602)	1:B:121:LEU:HD11	1:B:85:GLN:HG2	18	0.58
(3,602)	1:B:121:LEU:HD12	1:B:85:GLN:HG2	18	0.58
(3,602)	1:B:121:LEU:HD13	1:B:85:GLN:HG2	18	0.58
(3,602)	1:B:121:LEU:HD11	1:B:89:GLU:HG3	18	0.58
(3,602)	1:B:121:LEU:HD12	1:B:89:GLU:HG3	18	0.58
(3,602)	1:B:121:LEU:HD13	1:B:89:GLU:HG3	18	0.58
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD21	15	0.58
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD22	15	0.58
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD23	15	0.58
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD21	15	0.58
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD22	15	0.58
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD23	15	0.58
(3,1556)	1:B:42:THR:HA	1:B:41:ASN:HB3	9	0.58
(3,1556)	1:B:42:THR:HA	1:B:45:ARG:HD3	9	0.58
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	15	0.58
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	15	0.58
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	15	0.58
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	15	0.58
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	15	0.58
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	15	0.58
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	11	0.58
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	11	0.58
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	7	0.58
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	7	0.58
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	7	0.58
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	7	0.58
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	7	0.58
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	7	0.58
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	9	0.58
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	9	0.58
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	9	0.58
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	9	0.58
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	9	0.58
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	10	0.58
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	10	0.58
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	10	0.58
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	10	0.58
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	10	0.58
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	10	0.58
(3,1184)	1:B:74:VAL:HG21	1:B:117:LYS:HD2	2	0.58
(3,1184)	1:B:74:VAL:HG22	1:B:117:LYS:HD2	2	0.58
(3,1184)	1:B:74:VAL:HG23	1:B:117:LYS:HD2	2	0.58
(3,1184)	1:B:74:VAL:HG21	1:B:107:ALA:HB1	2	0.58
(3,1184)	1:B:74:VAL:HG21	1:B:107:ALA:HB2	2	0.58
(3,1184)	1:B:74:VAL:HG21	1:B:107:ALA:HB3	2	0.58
(3,1184)	1:B:74:VAL:HG22	1:B:107:ALA:HB1	2	0.58
(3,1184)	1:B:74:VAL:HG22	1:B:107:ALA:HB2	2	0.58
(3,1184)	1:B:74:VAL:HG22	1:B:107:ALA:HB3	2	0.58
(3,1184)	1:B:74:VAL:HG23	1:B:107:ALA:HB1	2	0.58
(3,1184)	1:B:74:VAL:HG23	1:B:107:ALA:HB2	2	0.58
(3,1184)	1:B:74:VAL:HG23	1:B:107:ALA:HB3	2	0.58
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	1	0.58
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	1	0.58
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	1	0.58
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	1	0.58
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	1	0.58
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	1	0.58
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	1	0.58
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	1	0.58
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	1	0.58
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	1	0.58
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	1	0.58
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	1	0.58
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	9	0.58
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	9	0.58
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	9	0.58
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	9	0.58
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	9	0.58
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	9	0.58
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	9	0.58
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	9	0.58
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	9	0.58
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	9	0.58
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	9	0.58
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	17	0.58
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	17	0.58
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	17	0.58
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	17	0.58
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	17	0.58
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	17	0.58
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	17	0.58
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	17	0.58
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	17	0.58
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	17	0.58
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	17	0.58
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	17	0.58
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	17	0.58
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	17	0.58
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	17	0.58
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	17	0.58
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	17	0.58
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	17	0.58
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	19	0.58
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	19	0.58
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	19	0.58
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	12	0.58
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	12	0.58
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	12	0.58
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	12	0.58
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	12	0.58
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	12	0.58
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	12	0.58
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	12	0.58
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	12	0.58
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	12	0.58
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	12	0.58
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	12	0.58
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	4	0.58
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	4	0.58
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	4	0.58
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	4	0.58
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	4	0.58
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	4	0.58
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	4	0.58
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	4	0.58
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	7	0.58
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	7	0.58
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	7	0.58
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	7	0.58
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	7	0.58
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	7	0.58
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	7	0.58
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	7	0.58
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	7	0.58
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	5	0.58
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	5	0.58
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	5	0.58
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	14	0.58
(1,2710)	1:B:87:LEU:HD11	1:B:104:ASN:HB2	18	0.58
(1,2710)	1:B:87:LEU:HD12	1:B:104:ASN:HB2	18	0.58
(1,2710)	1:B:87:LEU:HD13	1:B:104:ASN:HB2	18	0.58
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	3	0.58
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	3	0.58
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	3	0.58
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	8	0.58
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	8	0.58
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	8	0.58
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	5	0.58
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	5	0.58
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	5	0.58
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD21	10	0.58
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD22	10	0.58
(1,2579)	1:B:16:HIS:HB2	1:B:20:LEU:HD23	10	0.58
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD21	10	0.58
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD22	10	0.58
(1,2579)	1:B:16:HIS:HB3	1:B:20:LEU:HD23	10	0.58
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	15	0.58
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	15	0.58
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	15	0.58
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	7	0.58
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	7	0.58
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	7	0.58
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	19	0.58
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	19	0.58
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	19	0.58
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	19	0.58
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	19	0.58
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	19	0.58
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	19	0.58
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	19	0.58
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	5	0.58
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	5	0.58
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	5	0.58
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	15	0.58
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	15	0.58
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	15	0.58
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	3	0.58
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	3	0.58
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	3	0.58
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	3	0.58
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	3	0.58
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	3	0.58
(1,1903)	1:B:65:ASP:HB3	1:B:64:LYS:HA	7	0.58
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	14	0.58
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	14	0.58
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	14	0.58
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	11	0.58
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	11	0.58
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	11	0.58
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD11	18	0.58
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD12	18	0.58
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD13	18	0.58
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	18	0.58
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	18	0.58
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	18	0.58
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	18	0.58
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	18	0.58
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	18	0.58
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	18	0.58
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	18	0.58
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	18	0.58
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	18	0.58
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	18	0.58
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	18	0.58
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	18	0.58
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	18	0.58
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	3	0.58
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	3	0.58
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	3	0.58
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	3	0.58
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	3	0.58
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	3	0.58
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	2	0.58
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	2	0.58
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	2	0.58
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	2	0.58
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	2	0.58
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	2	0.58
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	14	0.58
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	14	0.58
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	14	0.58
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	14	0.58
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	14	0.58
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	14	0.58
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	7	0.57
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	7	0.57
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	7	0.57
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	7	0.57
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	7	0.57
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	7	0.57
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG3	20	0.57
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG2	20	0.57
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG3	20	0.57
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG2	20	0.57
(3,797)	1:B:64:LYS:HG2	1:B:65:ASP:HB3	20	0.57
(3,797)	1:B:64:LYS:HG3	1:B:65:ASP:HB3	20	0.57
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	6	0.57
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	6	0.57
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	6	0.57
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	6	0.57
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	6	0.57
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	6	0.57
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	16	0.57
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	16	0.57
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	16	0.57
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	16	0.57
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	16	0.57
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	17	0.57
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	17	0.57
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	17	0.57
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	17	0.57
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	17	0.57
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	17	0.57
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD21	18	0.57
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD22	18	0.57
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD23	18	0.57
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG11	18	0.57
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG12	18	0.57
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG13	18	0.57
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	11	0.57
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	11	0.57
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	11	0.57
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	11	0.57
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	5	0.57
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	5	0.57
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	5	0.57
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	5	0.57
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	5	0.57
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	5	0.57
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	14	0.57
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	14	0.57
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	14	0.57
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	14	0.57
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	14	0.57
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	14	0.57
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	14	0.57
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	14	0.57
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	14	0.57
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	14	0.57
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	14	0.57
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	14	0.57
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	14	0.57
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	14	0.57
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	14	0.57
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	14	0.57
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	14	0.57
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	12	0.57
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	12	0.57
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	2	0.57
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	2	0.57
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	2	0.57
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	2	0.57
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	2	0.57
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	2	0.57
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	20	0.57
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	20	0.57
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	20	0.57
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	20	0.57
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	20	0.57
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	20	0.57
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	13	0.57
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	13	0.57
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	13	0.57
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	13	0.57
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	13	0.57
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	13	0.57
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	19	0.57
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	19	0.57
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	19	0.57
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	19	0.57
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	19	0.57
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	19	0.57
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	4	0.57
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	4	0.57
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	4	0.57
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	4	0.57
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	4	0.57
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	4	0.57
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	4	0.57
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	4	0.57
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	4	0.57
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	4	0.57
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	4	0.57
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	4	0.57
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	4	0.57
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	4	0.57
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	4	0.57
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	4	0.57
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	4	0.57
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	6	0.57
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	6	0.57
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	6	0.57
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	6	0.57
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	6	0.57
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	6	0.57
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	6	0.57
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	6	0.57
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	6	0.57
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	6	0.57
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	6	0.57
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	6	0.57
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	19	0.57
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	19	0.57
(2,52)	1:B:35:ALA:HB1	1:B:33:VAL:HB	10	0.57
(2,52)	1:B:35:ALA:HB2	1:B:33:VAL:HB	10	0.57
(2,52)	1:B:35:ALA:HB3	1:B:33:VAL:HB	10	0.57
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	17	0.57
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	17	0.57
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	17	0.57
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	5	0.57
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	5	0.57
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	5	0.57
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	17	0.57
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	17	0.57
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	17	0.57
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	19	0.57
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	19	0.57
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE1	15	0.57
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE2	15	0.57
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE1	15	0.57
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE2	15	0.57
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE1	15	0.57
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE2	15	0.57
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	4	0.57
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	4	0.57
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	4	0.57
(1,447)	1:B:68:ARG:H	1:B:67:GLN:HB2	10	0.57
(1,414)	1:B:65:ASP:H	1:B:65:ASP:HB3	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	14	0.57
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	16	0.57
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	18	0.57
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	17	0.57
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	3	0.57
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	3	0.57
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	3	0.57
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	7	0.57
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	7	0.57
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	7	0.57
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	19	0.57
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	19	0.57
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	19	0.57
(1,1977)	1:B:60:ALA:HB1	1:B:66:PHE:HZ	12	0.57
(1,1977)	1:B:60:ALA:HB2	1:B:66:PHE:HZ	12	0.57
(1,1977)	1:B:60:ALA:HB3	1:B:66:PHE:HZ	12	0.57
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	2	0.57
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	2	0.57
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	2	0.57
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	12	0.57
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	12	0.57
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	12	0.57
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	6	0.57
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	6	0.57
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	6	0.57
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	6	0.57
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	6	0.57
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	6	0.57
(1,1633)	1:B:90:GLU:HG3	1:B:86:ARG:HA	17	0.57
(1,1165)	1:B:119:LEU:HD11	1:B:127:ARG:HD3	11	0.57
(1,1165)	1:B:119:LEU:HD12	1:B:127:ARG:HD3	11	0.57
(1,1165)	1:B:119:LEU:HD13	1:B:127:ARG:HD3	11	0.57
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	7	0.57
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	7	0.57
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	7	0.57
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	7	0.57
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	7	0.57
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	7	0.57
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	15	0.57
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	15	0.57
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	15	0.57
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	15	0.57
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	15	0.57
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	17	0.57
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	17	0.57
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	17	0.57
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	17	0.57
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	17	0.57
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	17	0.57
(1,10)	1:B:5:ARG:H	1:B:5:ARG:HB2	7	0.57
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	2	0.56
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	2	0.56
(3,767)	1:B:62:SER:HB2	1:B:64:LYS:HB2	3	0.56
(3,767)	1:B:32:VAL:HA	1:B:30:GLN:HB3	3	0.56
(3,767)	1:B:110:SER:HB3	1:B:111:ARG:HB3	3	0.56
(3,767)	1:B:110:SER:HB3	1:B:109:ARG:HB2	3	0.56
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	11	0.56
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	11	0.56
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	11	0.56
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	11	0.56
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	11	0.56
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	11	0.56
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	19	0.56
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	19	0.56
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	19	0.56
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	19	0.56
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	19	0.56
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	19	0.56
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	12	0.56
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	12	0.56
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	12	0.56
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	12	0.56
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	12	0.56
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	12	0.56
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	12	0.56
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	12	0.56
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	12	0.56
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	16	0.56
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	16	0.56
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	16	0.56
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	16	0.56
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	16	0.56
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	16	0.56
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	16	0.56
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	16	0.56
(3,495)	1:B:130:LEU:HD11	1:B:115:VAL:HB	13	0.56
(3,495)	1:B:130:LEU:HD12	1:B:115:VAL:HB	13	0.56
(3,495)	1:B:130:LEU:HD13	1:B:115:VAL:HB	13	0.56
(3,495)	1:B:130:LEU:HD11	1:B:129:GLU:HB2	13	0.56
(3,495)	1:B:130:LEU:HD12	1:B:129:GLU:HB2	13	0.56
(3,495)	1:B:130:LEU:HD13	1:B:129:GLU:HB2	13	0.56
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	17	0.56
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	17	0.56
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	17	0.56
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	17	0.56
(3,1556)	1:B:42:THR:HA	1:B:41:ASN:HB3	3	0.56
(3,1556)	1:B:42:THR:HA	1:B:45:ARG:HD3	3	0.56
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	12	0.56
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	12	0.56
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	12	0.56
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	12	0.56
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	12	0.56
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	12	0.56
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	12	0.56
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	12	0.56
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	12	0.56
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	12	0.56
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	12	0.56
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	12	0.56
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	16	0.56
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	16	0.56
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	16	0.56
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	16	0.56
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	16	0.56
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	16	0.56
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	17	0.56
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	17	0.56
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	17	0.56
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	17	0.56
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	17	0.56
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	17	0.56
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	1	0.56
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	1	0.56
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	1	0.56
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	1	0.56
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	1	0.56
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	4	0.56
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	4	0.56
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	4	0.56
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	4	0.56
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	4	0.56
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	4	0.56
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	4	0.56
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	4	0.56
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	4	0.56
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	4	0.56
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	4	0.56
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	4	0.56
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	4	0.56
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	4	0.56
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	4	0.56
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	4	0.56
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	4	0.56
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	4	0.56
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	3	0.56
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	3	0.56
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	3	0.56
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	3	0.56
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	3	0.56
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	3	0.56
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	3	0.56
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	3	0.56
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	3	0.56
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	3	0.56
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	3	0.56
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	3	0.56
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	3	0.56
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	6	0.56
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	6	0.56
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	6	0.56
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	1	0.56
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	1	0.56
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	3	0.56
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	3	0.56
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	9	0.56
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	15	0.56
(1,575)	1:B:90:GLU:H	1:B:90:GLU:HB2	5	0.56
(1,449)	1:B:68:ARG:H	1:B:67:GLN:HB3	17	0.56
(1,285)	1:B:46:THR:H	1:B:49:GLN:HG2	18	0.56
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG11	2	0.56
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG12	2	0.56
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG13	2	0.56
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG11	2	0.56
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG12	2	0.56
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG13	2	0.56
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG11	2	0.56
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG12	2	0.56
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG13	2	0.56
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG21	2	0.56
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG22	2	0.56
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG23	2	0.56
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG21	2	0.56
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG22	2	0.56
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG23	2	0.56
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG21	2	0.56
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG22	2	0.56
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG23	2	0.56
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	13	0.56
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	19	0.56
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	16	0.56
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG3	5	0.56
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG2	5	0.56
(1,2197)	1:B:49:GLN:HG2	1:B:45:ARG:HG3	12	0.56
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	11	0.56
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	11	0.56
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	11	0.56
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	8	0.56
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	8	0.56
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	8	0.56
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	15	0.56
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	15	0.56
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	15	0.56
(1,1903)	1:B:65:ASP:HB3	1:B:64:LYS:HA	11	0.56
(1,1691)	1:B:20:LEU:HD11	1:B:36:ILE:HG12	9	0.56
(1,1691)	1:B:20:LEU:HD12	1:B:36:ILE:HG12	9	0.56
(1,1691)	1:B:20:LEU:HD13	1:B:36:ILE:HG12	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD1	6	0.56
(1,1685)	1:B:20:LEU:HD11	1:B:21:TYR:HD2	6	0.56
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD1	6	0.56
(1,1685)	1:B:20:LEU:HD12	1:B:21:TYR:HD2	6	0.56
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD1	6	0.56
(1,1685)	1:B:20:LEU:HD13	1:B:21:TYR:HD2	6	0.56
(1,1557)	1:B:92:ARG:HD2	1:B:89:GLU:HB3	4	0.56
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	18	0.56
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	18	0.56
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	18	0.56
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	18	0.56
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	18	0.56
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	18	0.56
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	18	0.56
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	18	0.56
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	18	0.56
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	18	0.56
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	18	0.56
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	18	0.56
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD11	13	0.56
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD12	13	0.56
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD13	13	0.56
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	11	0.56
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	11	0.56
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	4	0.56
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	4	0.56
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	4	0.56
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	16	0.56
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	16	0.56
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	16	0.56
(1,1271)	1:B:114:ILE:HG12	1:B:76:TRP:HH2	11	0.56
(1,1224)	1:B:87:LEU:HD11	1:B:101:ILE:HA	8	0.56
(1,1224)	1:B:87:LEU:HD12	1:B:101:ILE:HA	8	0.56
(1,1224)	1:B:87:LEU:HD13	1:B:101:ILE:HA	8	0.56
(1,1178)	1:B:119:LEU:HG	1:B:126:GLU:H	10	0.56
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	14	0.56
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	14	0.56
(1,10)	1:B:5:ARG:H	1:B:5:ARG:HB2	1	0.56
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD21	17	0.55
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD22	17	0.55
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD23	17	0.55
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD21	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD22	17	0.55
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD23	17	0.55
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	12	0.55
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	12	0.55
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	12	0.55
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	12	0.55
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	12	0.55
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	12	0.55
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	12	0.55
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD1	5	0.55
(3,634)	1:B:119:LEU:HD11	1:B:131:TYR:HD2	5	0.55
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD1	5	0.55
(3,634)	1:B:119:LEU:HD12	1:B:131:TYR:HD2	5	0.55
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD1	5	0.55
(3,634)	1:B:119:LEU:HD13	1:B:131:TYR:HD2	5	0.55
(3,634)	1:B:119:LEU:HD11	1:B:88:PHE:HZ	5	0.55
(3,634)	1:B:119:LEU:HD12	1:B:88:PHE:HZ	5	0.55
(3,634)	1:B:119:LEU:HD13	1:B:88:PHE:HZ	5	0.55
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	5	0.55
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	5	0.55
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	5	0.55
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	5	0.55
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	5	0.55
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	5	0.55
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	8	0.55
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	8	0.55
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	8	0.55
(3,1862)	1:B:6:ALA:HA	1:B:5:ARG:HB3	7	0.55
(3,1862)	1:B:6:ALA:HA	1:B:44:PRO:HB2	7	0.55
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	14	0.55
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	14	0.55
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	14	0.55
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	14	0.55
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	14	0.55
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	14	0.55
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD21	11	0.55
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD22	11	0.55
(3,1638)	1:B:17:LEU:HA	1:B:20:LEU:HD23	11	0.55
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD21	11	0.55
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD22	11	0.55
(3,1638)	1:B:80:GLN:HA	1:B:84:LEU:HD23	11	0.55
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	20	0.55
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	20	0.55
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	7	0.55
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	7	0.55
(3,1556)	1:B:42:THR:HA	1:B:41:ASN:HB3	2	0.55
(3,1556)	1:B:42:THR:HA	1:B:45:ARG:HD3	2	0.55
(3,1552)	1:B:43:VAL:HG21	1:B:42:THR:H	1	0.55
(3,1552)	1:B:43:VAL:HG22	1:B:42:THR:H	1	0.55
(3,1552)	1:B:43:VAL:HG23	1:B:42:THR:H	1	0.55
(3,1552)	1:B:43:VAL:HG21	1:B:50:ILE:H	1	0.55
(3,1552)	1:B:43:VAL:HG22	1:B:50:ILE:H	1	0.55
(3,1552)	1:B:43:VAL:HG23	1:B:50:ILE:H	1	0.55
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	17	0.55
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	17	0.55
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	17	0.55
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	17	0.55
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	17	0.55
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	17	0.55
(3,1348)	1:B:30:GLN:HG3	1:B:31:ASP:HB3	4	0.55
(3,1348)	1:B:56:GLN:HG2	1:B:53:HIS:HB3	4	0.55
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	16	0.55
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	16	0.55
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	16	0.55
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	16	0.55
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	16	0.55
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	16	0.55
(3,1234)	1:B:46:THR:HG21	1:B:47:ARG:HD3	12	0.55
(3,1234)	1:B:46:THR:HG22	1:B:47:ARG:HD3	12	0.55
(3,1234)	1:B:46:THR:HG23	1:B:47:ARG:HD3	12	0.55
(3,1234)	1:B:46:THR:HG21	1:B:52:HIS:HB2	12	0.55
(3,1234)	1:B:46:THR:HG22	1:B:52:HIS:HB2	12	0.55
(3,1234)	1:B:46:THR:HG23	1:B:52:HIS:HB2	12	0.55
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	6	0.55
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	6	0.55
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	6	0.55
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	6	0.55
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	6	0.55
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	6	0.55
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	18	0.55
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	18	0.55
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	18	0.55
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	18	0.55
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	18	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	16	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	16	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	16	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	16	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	16	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	16	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	20	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	20	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	20	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	20	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	20	0.55
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	20	0.55
(2,39)	1:B:57:MET:HE1	1:B:22:LEU:H	18	0.55
(2,39)	1:B:57:MET:HE2	1:B:22:LEU:H	18	0.55
(2,39)	1:B:57:MET:HE3	1:B:22:LEU:H	18	0.55
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	3	0.55
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	3	0.55
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	3	0.55
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	6	0.55
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	6	0.55
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	6	0.55
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	2	0.55
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	3	0.55
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	8	0.55
(1,449)	1:B:68:ARG:H	1:B:67:GLN:HB3	18	0.55
(1,415)	1:B:65:ASP:H	1:B:64:LYS:HB2	4	0.55
(1,285)	1:B:46:THR:H	1:B:49:GLN:HG2	8	0.55
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	3	0.55
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	3	0.55
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	3	0.55
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	3	0.55
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD11	11	0.55
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD12	11	0.55
(1,2406)	1:B:17:LEU:HA	1:B:17:LEU:HD13	11	0.55
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	11	0.55
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	18	0.55
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	18	0.55
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	18	0.55
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	17	0.55
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	17	0.55
(1,2302)	1:B:43:VAL:HG21	1:B:43:VAL:H	11	0.55
(1,2302)	1:B:43:VAL:HG22	1:B:43:VAL:H	11	0.55
(1,2302)	1:B:43:VAL:HG23	1:B:43:VAL:H	11	0.55
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	1	0.55
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	1	0.55
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	1	0.55
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	9	0.55
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	9	0.55
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	9	0.55
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD21	14	0.55
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD22	14	0.55
(1,2189)	1:B:82:LEU:HA	1:B:82:LEU:HD23	14	0.55
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	1	0.55
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	1	0.55
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	1	0.55
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	19	0.55
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	19	0.55
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	19	0.55
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	1	0.55
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	1	0.55
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	1	0.55
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	17	0.55
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	17	0.55
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	17	0.55
(1,1928)	1:B:63:VAL:HG21	1:B:51:ILE:HG21	16	0.55
(1,1928)	1:B:63:VAL:HG21	1:B:51:ILE:HG22	16	0.55
(1,1928)	1:B:63:VAL:HG21	1:B:51:ILE:HG23	16	0.55
(1,1928)	1:B:63:VAL:HG22	1:B:51:ILE:HG21	16	0.55
(1,1928)	1:B:63:VAL:HG22	1:B:51:ILE:HG22	16	0.55
(1,1928)	1:B:63:VAL:HG22	1:B:51:ILE:HG23	16	0.55
(1,1928)	1:B:63:VAL:HG23	1:B:51:ILE:HG21	16	0.55
(1,1928)	1:B:63:VAL:HG23	1:B:51:ILE:HG22	16	0.55
(1,1928)	1:B:63:VAL:HG23	1:B:51:ILE:HG23	16	0.55
(1,1903)	1:B:65:ASP:HB3	1:B:64:LYS:HA	16	0.55
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	5	0.55
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	5	0.55
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	5	0.55
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	7	0.55
(1,1734)	1:B:85:GLN:HG3	1:B:88:PHE:HB3	5	0.55
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	6	0.55
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	6	0.55
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG21	19	0.55
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG22	19	0.55
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG23	19	0.55
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	13	0.55
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	13	0.55
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	13	0.55
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	16	0.55
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	16	0.55
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	16	0.55
(1,1224)	1:B:87:LEU:HD11	1:B:101:ILE:HA	17	0.55
(1,1224)	1:B:87:LEU:HD12	1:B:101:ILE:HA	17	0.55
(1,1224)	1:B:87:LEU:HD13	1:B:101:ILE:HA	17	0.55
(1,1224)	1:B:87:LEU:HD11	1:B:101:ILE:HA	18	0.55
(1,1224)	1:B:87:LEU:HD12	1:B:101:ILE:HA	18	0.55
(1,1224)	1:B:87:LEU:HD13	1:B:101:ILE:HA	18	0.55
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	17	0.55
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	17	0.55
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	17	0.55
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	13	0.55
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	13	0.55
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	13	0.55
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	13	0.55
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	13	0.55
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	13	0.55
(3,890)	1:B:37:LEU:HB3	1:B:36:ILE:HA	1	0.54
(3,890)	1:B:37:LEU:HB3	1:B:54:LEU:HA	1	0.54
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	16	0.54
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	16	0.54
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	16	0.54
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	16	0.54
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	16	0.54
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	16	0.54
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	8	0.54
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	8	0.54
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	8	0.54
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	8	0.54
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	8	0.54
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	8	0.54
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	17	0.54
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	17	0.54
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	17	0.54
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	17	0.54
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	17	0.54
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	14	0.54
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	14	0.54
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	14	0.54
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	14	0.54
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	14	0.54
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	14	0.54
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	9	0.54
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	9	0.54
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	9	0.54
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	9	0.54
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	11	0.54
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	11	0.54
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	11	0.54
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	11	0.54
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	18	0.54
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	18	0.54
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	18	0.54
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	18	0.54
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	18	0.54
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	18	0.54
(3,1578)	1:B:98:LEU:HD11	1:B:102:MET:H	13	0.54
(3,1578)	1:B:98:LEU:HD12	1:B:102:MET:H	13	0.54
(3,1578)	1:B:98:LEU:HD13	1:B:102:MET:H	13	0.54
(3,1578)	1:B:98:LEU:HD11	1:B:97:VAL:H	13	0.54
(3,1578)	1:B:98:LEU:HD12	1:B:97:VAL:H	13	0.54
(3,1578)	1:B:98:LEU:HD13	1:B:97:VAL:H	13	0.54
(3,1556)	1:B:42:THR:HA	1:B:41:ASN:HB3	7	0.54
(3,1556)	1:B:42:THR:HA	1:B:45:ARG:HD3	7	0.54
(3,1528)	1:B:46:THR:HB	1:B:45:ARG:HG2	3	0.54
(3,1528)	1:B:46:THR:HB	1:B:48:LYS:HG3	3	0.54
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	8	0.54
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	8	0.54
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	8	0.54
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	8	0.54
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	8	0.54
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	8	0.54
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	4	0.54
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	4	0.54
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	4	0.54
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	4	0.54
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	4	0.54
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	4	0.54
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	4	0.54
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	4	0.54
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	14	0.54
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	14	0.54
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	14	0.54
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	14	0.54
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	14	0.54
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	14	0.54
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	14	0.54
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	14	0.54
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	14	0.54
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	14	0.54
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	14	0.54
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	14	0.54
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	2	0.54
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	2	0.54
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	2	0.54
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	2	0.54
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	2	0.54
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	2	0.54
(3,1190)	1:B:73:ILE:HG21	1:B:84:LEU:HB3	3	0.54
(3,1190)	1:B:73:ILE:HG22	1:B:84:LEU:HB3	3	0.54
(3,1190)	1:B:73:ILE:HG23	1:B:84:LEU:HB3	3	0.54
(3,1190)	1:B:73:ILE:HG21	1:B:74:VAL:HB	3	0.54
(3,1190)	1:B:73:ILE:HG22	1:B:74:VAL:HB	3	0.54
(3,1190)	1:B:73:ILE:HG23	1:B:74:VAL:HB	3	0.54
(3,1176)	1:B:74:VAL:HG11	1:B:117:LYS:HD2	3	0.54
(3,1176)	1:B:74:VAL:HG12	1:B:117:LYS:HD2	3	0.54
(3,1176)	1:B:74:VAL:HG13	1:B:117:LYS:HD2	3	0.54
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD11	3	0.54
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD12	3	0.54
(3,1176)	1:B:74:VAL:HG11	1:B:84:LEU:HD13	3	0.54
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD11	3	0.54
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD12	3	0.54
(3,1176)	1:B:74:VAL:HG12	1:B:84:LEU:HD13	3	0.54
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD11	3	0.54
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD12	3	0.54
(3,1176)	1:B:74:VAL:HG13	1:B:84:LEU:HD13	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1176)	1:B:74:VAL:HG11	1:B:73:ILE:HG12	3	0.54
(3,1176)	1:B:74:VAL:HG12	1:B:73:ILE:HG12	3	0.54
(3,1176)	1:B:74:VAL:HG13	1:B:73:ILE:HG12	3	0.54
(3,1065)	1:B:85:GLN:HG3	1:B:89:GLU:HB2	4	0.54
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB2	4	0.54
(3,1065)	1:B:85:GLN:HG3	1:B:86:ARG:HB3	4	0.54
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	7	0.54
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	7	0.54
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	7	0.54
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	7	0.54
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	7	0.54
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	7	0.54
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	7	0.54
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	7	0.54
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	7	0.54
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	7	0.54
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	7	0.54
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	7	0.54
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	9	0.54
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	9	0.54
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	9	0.54
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	6	0.54
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	6	0.54
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	6	0.54
(1,969)	1:B:130:LEU:HD11	1:B:130:LEU:H	16	0.54
(1,969)	1:B:130:LEU:HD12	1:B:130:LEU:H	16	0.54
(1,969)	1:B:130:LEU:HD13	1:B:130:LEU:H	16	0.54
(1,919)	1:B:133:LYS:HB2	1:B:134:ARG:HD3	9	0.54
(1,919)	1:B:133:LYS:HB2	1:B:134:ARG:HD2	9	0.54
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	1	0.54
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	1	0.54
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	1	0.54
(1,897)	1:B:33:VAL:HG11	1:B:51:ILE:HA	10	0.54
(1,897)	1:B:33:VAL:HG12	1:B:51:ILE:HA	10	0.54
(1,897)	1:B:33:VAL:HG13	1:B:51:ILE:HA	10	0.54
(1,889)	1:B:138:LEU:HD11	1:B:138:LEU:HA	2	0.54
(1,889)	1:B:138:LEU:HD12	1:B:138:LEU:HA	2	0.54
(1,889)	1:B:138:LEU:HD13	1:B:138:LEU:HA	2	0.54
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	15	0.54
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	15	0.54
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	15	0.54
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	15	0.54
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	15	0.54
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	15	0.54
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	15	0.54
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	15	0.54
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	15	0.54
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	15	0.54
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	15	0.54
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	17	0.54
(1,575)	1:B:90:GLU:H	1:B:90:GLU:HB2	18	0.54
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	18	0.54
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	15	0.54
(1,285)	1:B:46:THR:H	1:B:49:GLN:HG2	3	0.54
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	1	0.54
(1,2683)	1:B:6:ALA:HB1	1:B:7:PRO:HD2	2	0.54
(1,2683)	1:B:6:ALA:HB2	1:B:7:PRO:HD2	2	0.54
(1,2683)	1:B:6:ALA:HB3	1:B:7:PRO:HD2	2	0.54
(1,2619)	1:B:11:PRO:HA	1:B:14:GLU:HB2	13	0.54
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	11	0.54
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	11	0.54
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	11	0.54
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	5	0.54
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	15	0.54
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	15	0.54
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	15	0.54
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	16	0.54
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	16	0.54
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	16	0.54
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	16	0.54
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	16	0.54
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	16	0.54
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	11	0.54
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	11	0.54
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	11	0.54
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	19	0.54
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	19	0.54
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	19	0.54
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	4	0.54
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	4	0.54
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	2	0.54
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	2	0.54
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1812)	1:B:27:VAL:HG21	1:B:30:GLN:H	6	0.54
(1,1812)	1:B:27:VAL:HG22	1:B:30:GLN:H	6	0.54
(1,1812)	1:B:27:VAL:HG23	1:B:30:GLN:H	6	0.54
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	17	0.54
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	17	0.54
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	17	0.54
(1,1422)	1:B:105:ILE:HG21	1:B:109:ARG:HD3	6	0.54
(1,1422)	1:B:105:ILE:HG22	1:B:109:ARG:HD3	6	0.54
(1,1422)	1:B:105:ILE:HG23	1:B:109:ARG:HD3	6	0.54
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	2	0.54
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	2	0.54
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	2	0.54
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	2	0.54
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	2	0.54
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	2	0.54
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	2	0.54
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	2	0.54
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	2	0.54
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	20	0.54
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	20	0.54
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	20	0.54
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	20	0.54
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	20	0.54
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	20	0.54
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	20	0.54
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	20	0.54
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	20	0.54
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	19	0.54
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	19	0.54
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	19	0.54
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	14	0.54
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	14	0.54
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	14	0.54
(1,1165)	1:B:119:LEU:HD11	1:B:127:ARG:HD3	6	0.54
(1,1165)	1:B:119:LEU:HD12	1:B:127:ARG:HD3	6	0.54
(1,1165)	1:B:119:LEU:HD13	1:B:127:ARG:HD3	6	0.54
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	10	0.54
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	10	0.54
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	10	0.54
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	10	0.53
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	10	0.53
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	10	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	10	0.53
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	10	0.53
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	10	0.53
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	10	0.53
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	10	0.53
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	10	0.53
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	10	0.53
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	10	0.53
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	10	0.53
(3,621)	1:B:119:LEU:HD11	1:B:127:ARG:HG2	20	0.53
(3,621)	1:B:119:LEU:HD12	1:B:127:ARG:HG2	20	0.53
(3,621)	1:B:119:LEU:HD13	1:B:127:ARG:HG2	20	0.53
(3,621)	1:B:119:LEU:HD11	1:B:119:LEU:HB2	20	0.53
(3,621)	1:B:119:LEU:HD12	1:B:119:LEU:HB2	20	0.53
(3,621)	1:B:119:LEU:HD13	1:B:119:LEU:HB2	20	0.53
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG3	3	0.53
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG2	3	0.53
(3,439)	1:B:14:GLU:HB3	1:B:17:LEU:HG	3	0.53
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD21	3	0.53
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD22	3	0.53
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD23	3	0.53
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD21	3	0.53
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD22	3	0.53
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD23	3	0.53
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD21	3	0.53
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD22	3	0.53
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD23	3	0.53
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG11	3	0.53
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG12	3	0.53
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG13	3	0.53
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD21	3	0.53
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD22	3	0.53
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD23	3	0.53
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG11	3	0.53
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG12	3	0.53
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG13	3	0.53
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	2	0.53
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	2	0.53
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	2	0.53
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	2	0.53
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	2	0.53
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	13	0.53
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	13	0.53
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	13	0.53
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	13	0.53
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	13	0.53
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	13	0.53
(3,257)	1:B:116:ASP:H	1:B:127:ARG:HG3	8	0.53
(3,257)	1:B:116:ASP:H	1:B:118:LEU:HB3	8	0.53
(3,232)	1:B:104:ASN:H	1:B:87:LEU:HB3	16	0.53
(3,232)	1:B:104:ASN:H	1:B:105:ILE:HG12	16	0.53
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	15	0.53
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	15	0.53
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	15	0.53
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	15	0.53
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	15	0.53
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	15	0.53
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	15	0.53
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	15	0.53
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	15	0.53
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	15	0.53
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	15	0.53
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	15	0.53
(3,1862)	1:B:6:ALA:HA	1:B:5:ARG:HB3	1	0.53
(3,1862)	1:B:6:ALA:HA	1:B:44:PRO:HB2	1	0.53
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	8	0.53
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	8	0.53
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	8	0.53
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	8	0.53
(3,1629)	1:B:35:ALA:HB1	1:B:30:GLN:HG2	6	0.53
(3,1629)	1:B:35:ALA:HB2	1:B:30:GLN:HG2	6	0.53
(3,1629)	1:B:35:ALA:HB3	1:B:30:GLN:HG2	6	0.53
(3,1629)	1:B:35:ALA:HB1	1:B:36:ILE:HG13	6	0.53
(3,1629)	1:B:35:ALA:HB2	1:B:36:ILE:HG13	6	0.53
(3,1629)	1:B:35:ALA:HB3	1:B:36:ILE:HG13	6	0.53
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	15	0.53
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	15	0.53
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	15	0.53
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	15	0.53
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	15	0.53
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	15	0.53
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	15	0.53
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	15	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	15	0.53
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	15	0.53
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	15	0.53
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	15	0.53
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	15	0.53
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	15	0.53
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	15	0.53
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	15	0.53
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	15	0.53
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	15	0.53
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	17	0.53
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	17	0.53
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	7	0.53
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	7	0.53
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	7	0.53
(3,1417)	1:B:52:HIS:HD2	1:B:63:VAL:HB	10	0.53
(3,1417)	1:B:9:TRP:HE3	1:B:17:LEU:HB3	10	0.53
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	15	0.53
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	15	0.53
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	15	0.53
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	15	0.53
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	15	0.53
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	15	0.53
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	17	0.53
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	17	0.53
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	17	0.53
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	17	0.53
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	17	0.53
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	17	0.53
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	4	0.53
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	4	0.53
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	4	0.53
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	4	0.53
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	4	0.53
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	4	0.53
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	19	0.53
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	19	0.53
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	19	0.53
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	19	0.53
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	19	0.53
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	19	0.53
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	19	0.53
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	19	0.53
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	19	0.53
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	19	0.53
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	19	0.53
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	19	0.53
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	19	0.53
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	19	0.53
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	19	0.53
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	19	0.53
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	19	0.53
(2,13)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	1	0.53
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	17	0.53
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	17	0.53
(1,902)	1:B:98:LEU:HD11	1:B:114:ILE:HB	15	0.53
(1,902)	1:B:98:LEU:HD12	1:B:114:ILE:HB	15	0.53
(1,902)	1:B:98:LEU:HD13	1:B:114:ILE:HB	15	0.53
(1,897)	1:B:33:VAL:HG11	1:B:51:ILE:HA	18	0.53
(1,897)	1:B:33:VAL:HG12	1:B:51:ILE:HA	18	0.53
(1,897)	1:B:33:VAL:HG13	1:B:51:ILE:HA	18	0.53
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	7	0.53
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	7	0.53
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	7	0.53
(1,409)	1:B:64:LYS:H	1:B:65:ASP:HB3	11	0.53
(1,354)	1:B:56:GLN:HE22	1:B:53:HIS:HE1	12	0.53
(1,2736)	1:B:76:TRP:HH2	1:B:114:ILE:HG13	9	0.53
(1,2651)	1:B:9:TRP:HZ2	1:B:49:GLN:HG2	19	0.53
(1,2294)	1:B:43:VAL:HG11	1:B:44:PRO:HD2	6	0.53
(1,2294)	1:B:43:VAL:HG12	1:B:44:PRO:HD2	6	0.53
(1,2294)	1:B:43:VAL:HG13	1:B:44:PRO:HD2	6	0.53
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD11	9	0.53
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD12	9	0.53
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD13	9	0.53
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	9	0.53
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	9	0.53
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	9	0.53
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	12	0.53
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	12	0.53
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	12	0.53
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	14	0.53
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	14	0.53
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	12	0.53
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	12	0.53
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	12	0.53
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	19	0.53
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	19	0.53
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	19	0.53
(1,1947)	1:B:62:SER:HB3	1:B:65:ASP:HB3	10	0.53
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	14	0.53
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	14	0.53
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	14	0.53
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	15	0.53
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	15	0.53
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	15	0.53
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	11	0.53
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	11	0.53
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	3	0.52
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	3	0.52
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	3	0.52
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	3	0.52
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	3	0.52
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	3	0.52
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE1	6	0.52
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE2	6	0.52
(3,826)	1:B:105:ILE:HG21	1:B:102:MET:HE3	6	0.52
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE1	6	0.52
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE2	6	0.52
(3,826)	1:B:105:ILE:HG22	1:B:102:MET:HE3	6	0.52
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE1	6	0.52
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE2	6	0.52
(3,826)	1:B:105:ILE:HG23	1:B:102:MET:HE3	6	0.52
(3,826)	1:B:105:ILE:HG21	1:B:87:LEU:HG	6	0.52
(3,826)	1:B:105:ILE:HG22	1:B:87:LEU:HG	6	0.52
(3,826)	1:B:105:ILE:HG23	1:B:87:LEU:HG	6	0.52
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	14	0.52
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	14	0.52
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	14	0.52
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	14	0.52
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	14	0.52
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	14	0.52
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	14	0.52
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	14	0.52
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	14	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	14	0.52
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	14	0.52
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	14	0.52
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	14	0.52
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	14	0.52
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	14	0.52
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	14	0.52
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	14	0.52
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	14	0.52
(3,495)	1:B:130:LEU:HD11	1:B:115:VAL:HB	12	0.52
(3,495)	1:B:130:LEU:HD12	1:B:115:VAL:HB	12	0.52
(3,495)	1:B:130:LEU:HD13	1:B:115:VAL:HB	12	0.52
(3,495)	1:B:130:LEU:HD11	1:B:129:GLU:HB2	12	0.52
(3,495)	1:B:130:LEU:HD12	1:B:129:GLU:HB2	12	0.52
(3,495)	1:B:130:LEU:HD13	1:B:129:GLU:HB2	12	0.52
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	3	0.52
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	3	0.52
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	3	0.52
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	3	0.52
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	3	0.52
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	3	0.52
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	3	0.52
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	3	0.52
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	3	0.52
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	3	0.52
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	3	0.52
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	3	0.52
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	19	0.52
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	19	0.52
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	19	0.52
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	19	0.52
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	19	0.52
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	19	0.52
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	11	0.52
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	11	0.52
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	11	0.52
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	11	0.52
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	11	0.52
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	11	0.52
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	1	0.52
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	1	0.52
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	1	0.52
(3,1712)	1:B:97:VAL:HG21	1:B:88:PHE:HA	5	0.52
(3,1712)	1:B:97:VAL:HG22	1:B:88:PHE:HA	5	0.52
(3,1712)	1:B:97:VAL:HG23	1:B:88:PHE:HA	5	0.52
(3,1712)	1:B:97:VAL:HG21	1:B:98:LEU:HA	5	0.52
(3,1712)	1:B:97:VAL:HG22	1:B:98:LEU:HA	5	0.52
(3,1712)	1:B:97:VAL:HG23	1:B:98:LEU:HA	5	0.52
(3,1712)	1:B:22:LEU:HD21	1:B:21:TYR:HA	5	0.52
(3,1712)	1:B:22:LEU:HD22	1:B:21:TYR:HA	5	0.52
(3,1712)	1:B:22:LEU:HD23	1:B:21:TYR:HA	5	0.52
(3,164)	1:B:76:TRP:HE1	1:B:109:ARG:HG2	2	0.52
(3,164)	1:B:76:TRP:HE1	1:B:105:ILE:HG13	2	0.52
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	2	0.52
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	2	0.52
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	2	0.52
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	2	0.52
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	2	0.52
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	2	0.52
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	2	0.52
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	2	0.52
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	2	0.52
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	2	0.52
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	2	0.52
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	2	0.52
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	2	0.52
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	2	0.52
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	2	0.52
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	2	0.52
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	2	0.52
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	2	0.52
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	5	0.52
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	5	0.52
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	5	0.52
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	5	0.52
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	5	0.52
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	5	0.52
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	5	0.52
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	5	0.52
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	5	0.52
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	5	0.52
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	5	0.52
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	5	0.52
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	5	0.52
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	5	0.52
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	5	0.52
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	5	0.52
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	5	0.52
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	1	0.52
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	1	0.52
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	1	0.52
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	6	0.52
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	6	0.52
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	6	0.52
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	6	0.52
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	6	0.52
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	6	0.52
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	6	0.52
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	6	0.52
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	6	0.52
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	19	0.52
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	19	0.52
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	19	0.52
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	19	0.52
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	19	0.52
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	19	0.52
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	19	0.52
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	19	0.52
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	19	0.52
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	11	0.52
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	11	0.52
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	11	0.52
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	11	0.52
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	11	0.52
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	11	0.52
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	14	0.52
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	14	0.52
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	14	0.52
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	14	0.52
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	14	0.52
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	14	0.52
(3,1182)	1:B:74:VAL:HG21	1:B:109:ARG:HB2	5	0.52
(3,1182)	1:B:74:VAL:HG22	1:B:109:ARG:HB2	5	0.52
(3,1182)	1:B:74:VAL:HG23	1:B:109:ARG:HB2	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1182)	1:B:74:VAL:HG21	1:B:73:ILE:HB	5	0.52
(3,1182)	1:B:74:VAL:HG22	1:B:73:ILE:HB	5	0.52
(3,1182)	1:B:74:VAL:HG23	1:B:73:ILE:HB	5	0.52
(3,1180)	1:B:74:VAL:HG21	1:B:76:TRP:HZ3	13	0.52
(3,1180)	1:B:74:VAL:HG22	1:B:76:TRP:HZ3	13	0.52
(3,1180)	1:B:74:VAL:HG23	1:B:76:TRP:HZ3	13	0.52
(3,1180)	1:B:74:VAL:HG21	1:B:72:HIS:HD2	13	0.52
(3,1180)	1:B:74:VAL:HG22	1:B:72:HIS:HD2	13	0.52
(3,1180)	1:B:74:VAL:HG23	1:B:72:HIS:HD2	13	0.52
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	13	0.52
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	13	0.52
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	13	0.52
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	13	0.52
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	13	0.52
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	13	0.52
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	13	0.52
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	13	0.52
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	13	0.52
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	13	0.52
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	13	0.52
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	13	0.52
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	13	0.52
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	13	0.52
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	13	0.52
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	13	0.52
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	13	0.52
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	13	0.52
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	17	0.52
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	17	0.52
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	17	0.52
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	17	0.52
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	17	0.52
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	17	0.52
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	17	0.52
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	17	0.52
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	17	0.52
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	17	0.52
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	17	0.52
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	17	0.52
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	12	0.52
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	12	0.52
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	20	0.52
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	20	0.52
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	20	0.52
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	20	0.52
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	20	0.52
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	20	0.52
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	20	0.52
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	20	0.52
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	20	0.52
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG11	20	0.52
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG12	20	0.52
(1,955)	1:B:131:TYR:HE1	1:B:115:VAL:HG13	20	0.52
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG11	20	0.52
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG12	20	0.52
(1,955)	1:B:131:TYR:HE2	1:B:115:VAL:HG13	20	0.52
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	7	0.52
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	7	0.52
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	20	0.52
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	20	0.52
(1,54)	1:B:13:GLU:H	1:B:12:GLU:HB3	3	0.52
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	12	0.52
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	7	0.52
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	7	0.52
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	7	0.52
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	17	0.52
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	17	0.52
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	17	0.52
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	1	0.52
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	11	0.52
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	11	0.52
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	11	0.52
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	17	0.52
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	17	0.52
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	17	0.52
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	5	0.52
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	5	0.52
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	5	0.52
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	5	0.52
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	5	0.52
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	5	0.52
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	5	0.52
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	5	0.52
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	14	0.52
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	14	0.52
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	14	0.52
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	17	0.52
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	17	0.52
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	17	0.52
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	9	0.52
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	9	0.52
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	9	0.52
(1,1746)	1:B:17:LEU:HD11	1:B:9:TRP:HZ2	6	0.52
(1,1746)	1:B:17:LEU:HD12	1:B:9:TRP:HZ2	6	0.52
(1,1746)	1:B:17:LEU:HD13	1:B:9:TRP:HZ2	6	0.52
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	6	0.52
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	6	0.52
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	6	0.52
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	12	0.52
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	12	0.52
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	12	0.52
(1,1522)	1:B:97:VAL:HG21	1:B:92:ARG:HB2	7	0.52
(1,1522)	1:B:97:VAL:HG22	1:B:92:ARG:HB2	7	0.52
(1,1522)	1:B:97:VAL:HG23	1:B:92:ARG:HB2	7	0.52
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	9	0.52
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD11	9	0.52
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD12	9	0.52
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD13	9	0.52
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD11	9	0.52
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD12	9	0.52
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD13	9	0.52
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD11	9	0.52
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD12	9	0.52
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD13	9	0.52
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD21	9	0.52
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD22	9	0.52
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD23	9	0.52
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD21	9	0.52
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD22	9	0.52
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD23	9	0.52
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD21	9	0.52
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD22	9	0.52
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD23	9	0.52
(1,1422)	1:B:105:ILE:HG21	1:B:109:ARG:HD3	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1422)	1:B:105:ILE:HG22	1:B:109:ARG:HD3	1	0.52
(1,1422)	1:B:105:ILE:HG23	1:B:109:ARG:HD3	1	0.52
(1,13)	1:B:6:ALA:H	1:B:8:THR:HA	18	0.52
(1,13)	1:B:6:ALA:H	1:B:8:THR:HB	18	0.52
(1,1167)	1:B:119:LEU:HD11	1:B:127:ARG:HA	10	0.52
(1,1167)	1:B:119:LEU:HD12	1:B:127:ARG:HA	10	0.52
(1,1167)	1:B:119:LEU:HD13	1:B:127:ARG:HA	10	0.52
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	17	0.52
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	17	0.52
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	17	0.52
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	11	0.52
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	11	0.52
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	11	0.52
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	11	0.52
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	11	0.52
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	11	0.52
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	13	0.52
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	13	0.52
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	13	0.51
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	13	0.51
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	13	0.51
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	13	0.51
(3,998)	1:B:89:GLU:HG3	1:B:90:GLU:HG3	18	0.51
(3,998)	1:B:89:GLU:HG3	1:B:121:LEU:HB2	18	0.51
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	1	0.51
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	1	0.51
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	1	0.51
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	1	0.51
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	1	0.51
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	1	0.51
(3,865)	1:B:101:ILE:HD11	1:B:102:MET:HG3	6	0.51
(3,865)	1:B:101:ILE:HD12	1:B:102:MET:HG3	6	0.51
(3,865)	1:B:101:ILE:HD13	1:B:102:MET:HG3	6	0.51
(3,865)	1:B:105:ILE:HD11	1:B:102:MET:HG3	6	0.51
(3,865)	1:B:105:ILE:HD12	1:B:102:MET:HG3	6	0.51
(3,865)	1:B:105:ILE:HD13	1:B:102:MET:HG3	6	0.51
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	12	0.51
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	12	0.51
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	12	0.51
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	12	0.51
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	12	0.51
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	12	0.51
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	12	0.51
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	12	0.51
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	12	0.51
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	12	0.51
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	12	0.51
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	12	0.51
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	12	0.51
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	12	0.51
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	12	0.51
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	12	0.51
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	12	0.51
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	12	0.51
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	12	0.51
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	12	0.51
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	12	0.51
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	12	0.51
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	12	0.51
(3,712)	1:B:87:LEU:HD11	1:B:103:LYS:H	12	0.51
(3,712)	1:B:87:LEU:HD12	1:B:103:LYS:H	12	0.51
(3,712)	1:B:87:LEU:HD13	1:B:103:LYS:H	12	0.51
(3,712)	1:B:87:LEU:HD11	1:B:80:GLN:HE21	12	0.51
(3,712)	1:B:87:LEU:HD12	1:B:80:GLN:HE21	12	0.51
(3,712)	1:B:87:LEU:HD13	1:B:80:GLN:HE21	12	0.51
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	17	0.51
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	17	0.51
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	17	0.51
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	17	0.51
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	17	0.51
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	17	0.51
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	17	0.51
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	17	0.51
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	17	0.51
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	17	0.51
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	17	0.51
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	17	0.51
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	2	0.51
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	2	0.51
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	2	0.51
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	2	0.51
(3,470)	1:B:64:LYS:HE3	1:B:70:GLY:H	4	0.51
(3,470)	1:B:64:LYS:HE2	1:B:70:GLY:H	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,470)	1:B:25:LYS:HE3	1:B:26:ASP:H	4	0.51
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	6	0.51
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	6	0.51
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	6	0.51
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	19	0.51
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	19	0.51
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	19	0.51
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	19	0.51
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	19	0.51
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	19	0.51
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD21	6	0.51
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD22	6	0.51
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD23	6	0.51
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG11	6	0.51
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG12	6	0.51
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG13	6	0.51
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD21	16	0.51
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD22	16	0.51
(3,263)	1:B:117:LYS:H	1:B:130:LEU:HD23	16	0.51
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG11	16	0.51
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG12	16	0.51
(3,263)	1:B:117:LYS:H	1:B:74:VAL:HG13	16	0.51
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	3	0.51
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	3	0.51
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	3	0.51
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	3	0.51
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	3	0.51
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	3	0.51
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	3	0.51
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	3	0.51
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	3	0.51
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	3	0.51
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	3	0.51
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	3	0.51
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	3	0.51
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	3	0.51
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	3	0.51
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	3	0.51
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	3	0.51
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	3	0.51
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	6	0.51
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	6	0.51
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	6	0.51
(3,1682)	1:B:28:GLU:HB3	1:B:27:VAL:HG21	10	0.51
(3,1682)	1:B:28:GLU:HB3	1:B:27:VAL:HG22	10	0.51
(3,1682)	1:B:28:GLU:HB3	1:B:27:VAL:HG23	10	0.51
(3,1682)	1:B:86:ARG:HB2	1:B:82:LEU:HD21	10	0.51
(3,1682)	1:B:86:ARG:HB2	1:B:82:LEU:HD22	10	0.51
(3,1682)	1:B:86:ARG:HB2	1:B:82:LEU:HD23	10	0.51
(3,1682)	1:B:86:ARG:HB3	1:B:82:LEU:HD21	10	0.51
(3,1682)	1:B:86:ARG:HB3	1:B:82:LEU:HD22	10	0.51
(3,1682)	1:B:86:ARG:HB3	1:B:82:LEU:HD23	10	0.51
(3,1682)	1:B:28:GLU:HB2	1:B:27:VAL:HG21	10	0.51
(3,1682)	1:B:28:GLU:HB2	1:B:27:VAL:HG22	10	0.51
(3,1682)	1:B:28:GLU:HB2	1:B:27:VAL:HG23	10	0.51
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	2	0.51
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	2	0.51
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	1	0.51
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	1	0.51
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	1	0.51
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	1	0.51
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	1	0.51
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	1	0.51
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	6	0.51
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	6	0.51
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	6	0.51
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	6	0.51
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	6	0.51
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	6	0.51
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	9	0.51
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	9	0.51
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	9	0.51
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	20	0.51
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	20	0.51
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	20	0.51
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	20	0.51
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	20	0.51
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	20	0.51
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	15	0.51
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	15	0.51
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	15	0.51
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	15	0.51
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	1	0.51
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	1	0.51
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	10	0.51
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	10	0.51
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	10	0.51
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	13	0.51
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	13	0.51
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	13	0.51
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	1	0.51
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	20	0.51
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	20	0.51
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	20	0.51
(1,897)	1:B:33:VAL:HG11	1:B:51:ILE:HA	16	0.51
(1,897)	1:B:33:VAL:HG12	1:B:51:ILE:HA	16	0.51
(1,897)	1:B:33:VAL:HG13	1:B:51:ILE:HA	16	0.51
(1,885)	1:B:40:LEU:HD21	1:B:9:TRP:HZ3	11	0.51
(1,885)	1:B:40:LEU:HD22	1:B:9:TRP:HZ3	11	0.51
(1,885)	1:B:40:LEU:HD23	1:B:9:TRP:HZ3	11	0.51
(1,837)	1:B:45:ARG:HE	1:B:53:HIS:HD2	20	0.51
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD21	14	0.51
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD22	14	0.51
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD23	14	0.51
(1,414)	1:B:65:ASP:H	1:B:65:ASP:HB3	16	0.51
(1,31)	1:B:9:TRP:H	1:B:9:TRP:HD1	12	0.51
(1,285)	1:B:46:THR:H	1:B:49:GLN:HG2	16	0.51
(1,2683)	1:B:6:ALA:HB1	1:B:7:PRO:HD2	10	0.51
(1,2683)	1:B:6:ALA:HB2	1:B:7:PRO:HD2	10	0.51
(1,2683)	1:B:6:ALA:HB3	1:B:7:PRO:HD2	10	0.51
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	16	0.51
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	16	0.51
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	16	0.51
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	16	0.51
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	16	0.51
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	16	0.51
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	16	0.51
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	16	0.51
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	16	0.51
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	1	0.51
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	16	0.51
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	16	0.51
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	16	0.51
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	2	0.51
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	2	0.51
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	8	0.51
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	8	0.51
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	8	0.51
(1,2177)	1:B:50:ILE:HD11	1:B:37:LEU:HB3	1	0.51
(1,2177)	1:B:50:ILE:HD12	1:B:37:LEU:HB3	1	0.51
(1,2177)	1:B:50:ILE:HD13	1:B:37:LEU:HB3	1	0.51
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	3	0.51
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	3	0.51
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	3	0.51
(1,2117)	1:B:52:HIS:HE1	1:B:48:LYS:HE3	7	0.51
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	7	0.51
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	7	0.51
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	7	0.51
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	7	0.51
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	7	0.51
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	7	0.51
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	7	0.51
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	7	0.51
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	7	0.51
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	7	0.51
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	7	0.51
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	7	0.51
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	7	0.51
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	7	0.51
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	7	0.51
(1,1960)	1:B:61:ASP:HA	1:B:65:ASP:H	2	0.51
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	9	0.51
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	9	0.51
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	11	0.51
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	3	0.51
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	3	0.51
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	1	0.51
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	1	0.51
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	1	0.51
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	20	0.51
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	20	0.51
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	20	0.51
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	1	0.51
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	1	0.51
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD11	1	0.51
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD12	1	0.51
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD13	1	0.51
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD21	15	0.51
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD22	15	0.51
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD23	15	0.51
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD21	15	0.51
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD22	15	0.51
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD23	15	0.51
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD21	15	0.51
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD22	15	0.51
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD23	15	0.51
(1,1286)	1:B:114:ILE:HD11	1:B:109:ARG:HD2	8	0.51
(1,1286)	1:B:114:ILE:HD12	1:B:109:ARG:HD2	8	0.51
(1,1286)	1:B:114:ILE:HD13	1:B:109:ARG:HD2	8	0.51
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	1	0.51
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	1	0.51
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	1	0.51
(1,1224)	1:B:87:LEU:HD11	1:B:101:ILE:HA	4	0.51
(1,1224)	1:B:87:LEU:HD12	1:B:101:ILE:HA	4	0.51
(1,1224)	1:B:87:LEU:HD13	1:B:101:ILE:HA	4	0.51
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	7	0.51
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	7	0.51
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	7	0.51
(1,1081)	1:B:124:VAL:HG21	1:B:126:GLU:H	17	0.51
(1,1081)	1:B:124:VAL:HG22	1:B:126:GLU:H	17	0.51
(1,1081)	1:B:124:VAL:HG23	1:B:126:GLU:H	17	0.51
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	2	0.51
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	2	0.51
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	2	0.51
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	6	0.5
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	6	0.5
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	6	0.5
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	6	0.5
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	6	0.5
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	6	0.5
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	6	0.5
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	6	0.5
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	6	0.5
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	6	0.5
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	6	0.5
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	6	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	16	0.5
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	16	0.5
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	16	0.5
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	16	0.5
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	16	0.5
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	16	0.5
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	16	0.5
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	16	0.5
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	16	0.5
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	16	0.5
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	16	0.5
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	16	0.5
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	20	0.5
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	20	0.5
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	20	0.5
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	20	0.5
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	20	0.5
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	20	0.5
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	20	0.5
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	20	0.5
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	20	0.5
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	20	0.5
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	20	0.5
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	20	0.5
(3,619)	1:B:119:LEU:HD11	1:B:115:VAL:HB	8	0.5
(3,619)	1:B:119:LEU:HD12	1:B:115:VAL:HB	8	0.5
(3,619)	1:B:119:LEU:HD13	1:B:115:VAL:HB	8	0.5
(3,619)	1:B:119:LEU:HD11	1:B:126:GLU:HB2	8	0.5
(3,619)	1:B:119:LEU:HD12	1:B:126:GLU:HB2	8	0.5
(3,619)	1:B:119:LEU:HD13	1:B:126:GLU:HB2	8	0.5
(3,619)	1:B:119:LEU:HD11	1:B:126:GLU:HG3	8	0.5
(3,619)	1:B:119:LEU:HD12	1:B:126:GLU:HG3	8	0.5
(3,619)	1:B:119:LEU:HD13	1:B:126:GLU:HG3	8	0.5
(3,602)	1:B:121:LEU:HD11	1:B:85:GLN:HG2	10	0.5
(3,602)	1:B:121:LEU:HD12	1:B:85:GLN:HG2	10	0.5
(3,602)	1:B:121:LEU:HD13	1:B:85:GLN:HG2	10	0.5
(3,602)	1:B:121:LEU:HD11	1:B:89:GLU:HG3	10	0.5
(3,602)	1:B:121:LEU:HD12	1:B:89:GLU:HG3	10	0.5
(3,602)	1:B:121:LEU:HD13	1:B:89:GLU:HG3	10	0.5
(3,495)	1:B:130:LEU:HD11	1:B:115:VAL:HB	20	0.5
(3,495)	1:B:130:LEU:HD12	1:B:115:VAL:HB	20	0.5
(3,495)	1:B:130:LEU:HD13	1:B:115:VAL:HB	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,495)	1:B:130:LEU:HD11	1:B:129:GLU:HB2	20	0.5
(3,495)	1:B:130:LEU:HD12	1:B:129:GLU:HB2	20	0.5
(3,495)	1:B:130:LEU:HD13	1:B:129:GLU:HB2	20	0.5
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	4	0.5
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	4	0.5
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	4	0.5
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD21	13	0.5
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD22	13	0.5
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD23	13	0.5
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD21	13	0.5
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD22	13	0.5
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD23	13	0.5
(3,1821)	1:B:129:GLU:HG3	1:B:128:ARG:HD3	15	0.5
(3,1821)	1:B:129:GLU:HG2	1:B:127:ARG:HD2	15	0.5
(3,1821)	1:B:129:GLU:HG3	1:B:127:ARG:HD2	15	0.5
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	20	0.5
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	20	0.5
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	5	0.5
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	5	0.5
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	4	0.5
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	4	0.5
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	4	0.5
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	15	0.5
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	15	0.5
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	15	0.5
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	16	0.5
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	16	0.5
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	16	0.5
(1,883)	1:B:40:LEU:HD11	1:B:43:VAL:H	6	0.5
(1,883)	1:B:40:LEU:HD12	1:B:43:VAL:H	6	0.5
(1,883)	1:B:40:LEU:HD13	1:B:43:VAL:H	6	0.5
(1,837)	1:B:45:ARG:HE	1:B:53:HIS:HD2	1	0.5
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	15	0.5
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	15	0.5
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	6	0.5
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	14	0.5
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	14	0.5
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	14	0.5
(1,2658)	1:B:8:THR:HB	1:B:9:TRP:HD1	13	0.5
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	9	0.5
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	9	0.5
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	5	0.5
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	8	0.5
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	10	0.5
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	17	0.5
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	16	0.5
(1,2294)	1:B:43:VAL:HG11	1:B:44:PRO:HD2	12	0.5
(1,2294)	1:B:43:VAL:HG12	1:B:44:PRO:HD2	12	0.5
(1,2294)	1:B:43:VAL:HG13	1:B:44:PRO:HD2	12	0.5
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	6	0.5
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	6	0.5
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	6	0.5
(1,2197)	1:B:49:GLN:HG2	1:B:45:ARG:HG3	18	0.5
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	1	0.5
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	1	0.5
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	1	0.5
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	5	0.5
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	5	0.5
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	5	0.5
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	6	0.5
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	6	0.5
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	6	0.5
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	8	0.5
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	8	0.5
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	8	0.5
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	20	0.5
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	20	0.5
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	20	0.5
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	9	0.5
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	20	0.5
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	20	0.5
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	20	0.5
(1,1388)	1:B:106:THR:HG21	1:B:80:GLN:HG2	8	0.5
(1,1388)	1:B:106:THR:HG22	1:B:80:GLN:HG2	8	0.5
(1,1388)	1:B:106:THR:HG23	1:B:80:GLN:HG2	8	0.5
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	19	0.5
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	19	0.5
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	19	0.5
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	5	0.5
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	5	0.5
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	5	0.5
(1,1271)	1:B:114:ILE:HG12	1:B:76:TRP:HH2	18	0.5
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	7	0.5
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	7	0.5
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	19	0.49
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	19	0.49
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	19	0.49
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	19	0.49
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	19	0.49
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	19	0.49
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	19	0.49
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	19	0.49
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	19	0.49
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	1	0.49
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	1	0.49
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	1	0.49
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	1	0.49
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	1	0.49
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	1	0.49
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	1	0.49
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	1	0.49
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	1	0.49
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	19	0.49
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	19	0.49
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	19	0.49
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	19	0.49
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	19	0.49
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	19	0.49
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	5	0.49
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	5	0.49
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	5	0.49
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	5	0.49
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	5	0.49
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	5	0.49
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	20	0.49
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	20	0.49
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	20	0.49
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	20	0.49
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	20	0.49
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	20	0.49
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	10	0.49
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	10	0.49
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	10	0.49
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	10	0.49
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	10	0.49
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	10	0.49
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	10	0.49
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	10	0.49
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	15	0.49
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	15	0.49
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	15	0.49
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	15	0.49
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	15	0.49
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	15	0.49
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	15	0.49
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	15	0.49
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	15	0.49
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	19	0.49
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	19	0.49
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	19	0.49
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	19	0.49
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	19	0.49
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	19	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	7	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	7	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	7	0.49
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	7	0.49
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	7	0.49
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	7	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	7	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	7	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	7	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	7	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	7	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	7	0.49
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	7	0.49
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	7	0.49
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	7	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	7	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	7	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	7	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	18	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	18	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	18	0.49
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	18	0.49
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	18	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	18	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	18	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	18	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	18	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	18	0.49
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	18	0.49
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	18	0.49
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	18	0.49
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	18	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	18	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	18	0.49
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	18	0.49
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	4	0.49
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	4	0.49
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	4	0.49
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	4	0.49
(3,1766)	1:B:17:LEU:HD11	1:B:17:LEU:HA	6	0.49
(3,1766)	1:B:17:LEU:HD12	1:B:17:LEU:HA	6	0.49
(3,1766)	1:B:17:LEU:HD13	1:B:17:LEU:HA	6	0.49
(3,1766)	1:B:17:LEU:HD11	1:B:37:LEU:HA	6	0.49
(3,1766)	1:B:17:LEU:HD12	1:B:37:LEU:HA	6	0.49
(3,1766)	1:B:17:LEU:HD13	1:B:37:LEU:HA	6	0.49
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	13	0.49
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	13	0.49
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	13	0.49
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	13	0.49
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	13	0.49
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	13	0.49
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	13	0.49
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	13	0.49
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	13	0.49
(3,1569)	1:B:40:LEU:HB2	1:B:37:LEU:HA	3	0.49
(3,1569)	1:B:40:LEU:HB2	1:B:17:LEU:HA	3	0.49
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	13	0.49
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	13	0.49
(3,1552)	1:B:43:VAL:HG21	1:B:42:THR:H	6	0.49
(3,1552)	1:B:43:VAL:HG22	1:B:42:THR:H	6	0.49
(3,1552)	1:B:43:VAL:HG23	1:B:42:THR:H	6	0.49
(3,1552)	1:B:43:VAL:HG21	1:B:50:ILE:H	6	0.49
(3,1552)	1:B:43:VAL:HG22	1:B:50:ILE:H	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1552)	1:B:43:VAL:HG23	1:B:50:ILE:H	6	0.49
(3,1528)	1:B:46:THR:HB	1:B:45:ARG:HG2	19	0.49
(3,1528)	1:B:46:THR:HB	1:B:48:LYS:HG3	19	0.49
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	12	0.49
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	12	0.49
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	12	0.49
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	12	0.49
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	12	0.49
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	12	0.49
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	12	0.49
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	12	0.49
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	12	0.49
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	13	0.49
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	13	0.49
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	13	0.49
(3,1248)	1:B:89:GLU:HB2	1:B:90:GLU:HG3	12	0.49
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG3	12	0.49
(3,1248)	1:B:67:GLN:HB2	1:B:68:ARG:HG2	12	0.49
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	20	0.49
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	20	0.49
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	18	0.49
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	18	0.49
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	18	0.49
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	18	0.49
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	18	0.49
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	18	0.49
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	18	0.49
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	18	0.49
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	18	0.49
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	18	0.49
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	18	0.49
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	18	0.49
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	11	0.49
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	11	0.49
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	11	0.49
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	11	0.49
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	11	0.49
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	11	0.49
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	18	0.49
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	18	0.49
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	18	0.49
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	18	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	18	0.49
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	18	0.49
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	8	0.49
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	8	0.49
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	8	0.49
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	8	0.49
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	8	0.49
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	8	0.49
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	5	0.49
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	5	0.49
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	5	0.49
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	5	0.49
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	5	0.49
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	5	0.49
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	5	0.49
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	5	0.49
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	5	0.49
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	5	0.49
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	5	0.49
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	5	0.49
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB1	3	0.49
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB2	3	0.49
(3,1035)	1:B:20:LEU:HD11	1:B:23:ALA:HB3	3	0.49
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB1	3	0.49
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB2	3	0.49
(3,1035)	1:B:20:LEU:HD12	1:B:23:ALA:HB3	3	0.49
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB1	3	0.49
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB2	3	0.49
(3,1035)	1:B:20:LEU:HD13	1:B:23:ALA:HB3	3	0.49
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB1	3	0.49
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB2	3	0.49
(3,1035)	1:B:20:LEU:HD11	1:B:35:ALA:HB3	3	0.49
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB1	3	0.49
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB2	3	0.49
(3,1035)	1:B:20:LEU:HD12	1:B:35:ALA:HB3	3	0.49
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB1	3	0.49
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB2	3	0.49
(3,1035)	1:B:20:LEU:HD13	1:B:35:ALA:HB3	3	0.49
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	5	0.49
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	5	0.49
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	5	0.49
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	13	0.49
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	13	0.49
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	18	0.49
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	18	0.49
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	18	0.49
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	17	0.49
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	17	0.49
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	17	0.49
(1,886)	1:B:40:LEU:HD21	1:B:9:TRP:HH2	10	0.49
(1,886)	1:B:40:LEU:HD22	1:B:9:TRP:HH2	10	0.49
(1,886)	1:B:40:LEU:HD23	1:B:9:TRP:HH2	10	0.49
(1,622)	1:B:97:VAL:H	1:B:97:VAL:HG11	8	0.49
(1,622)	1:B:97:VAL:H	1:B:97:VAL:HG12	8	0.49
(1,622)	1:B:97:VAL:H	1:B:97:VAL:HG13	8	0.49
(1,6)	1:B:4:ARG:H	1:B:4:ARG:HB2	14	0.49
(1,543)	1:B:85:GLN:HE22	1:B:121:LEU:HG	4	0.49
(1,2751)	1:B:108:LYS:HG2	1:B:108:LYS:H	6	0.49
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	1	0.49
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	1	0.49
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	1	0.49
(1,2619)	1:B:11:PRO:HA	1:B:14:GLU:HB2	16	0.49
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD21	11	0.49
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD22	11	0.49
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD23	11	0.49
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD21	11	0.49
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD22	11	0.49
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD23	11	0.49
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD21	11	0.49
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD22	11	0.49
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD23	11	0.49
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	1	0.49
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	11	0.49
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	19	0.49
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	19	0.49
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	19	0.49
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	2	0.49
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	2	0.49
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	2	0.49
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	11	0.49
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	11	0.49
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	11	0.49
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD11	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD12	5	0.49
(1,2073)	1:B:118:LEU:HA	1:B:118:LEU:HD13	5	0.49
(1,2062)	1:B:55:VAL:HG11	1:B:55:VAL:H	3	0.49
(1,2062)	1:B:55:VAL:HG12	1:B:55:VAL:H	3	0.49
(1,2062)	1:B:55:VAL:HG13	1:B:55:VAL:H	3	0.49
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	15	0.49
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	15	0.49
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	15	0.49
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	16	0.49
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	16	0.49
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	16	0.49
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	16	0.49
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	16	0.49
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	16	0.49
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	19	0.49
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	19	0.49
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	19	0.49
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	18	0.49
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	18	0.49
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	18	0.49
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	11	0.49
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	11	0.49
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	11	0.49
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	7	0.49
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	7	0.49
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	7	0.49
(1,1763)	1:B:82:LEU:HD11	1:B:85:GLN:HE22	5	0.49
(1,1763)	1:B:82:LEU:HD12	1:B:85:GLN:HE22	5	0.49
(1,1763)	1:B:82:LEU:HD13	1:B:85:GLN:HE22	5	0.49
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	18	0.49
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	19	0.49
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD11	16	0.49
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD12	16	0.49
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD13	16	0.49
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD11	16	0.49
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD12	16	0.49
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD13	16	0.49
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD11	16	0.49
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD12	16	0.49
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD13	16	0.49
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD21	16	0.49
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD22	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD23	16	0.49
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD21	16	0.49
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD22	16	0.49
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD23	16	0.49
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD21	16	0.49
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD22	16	0.49
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD23	16	0.49
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	4	0.49
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	4	0.49
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	4	0.49
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	12	0.49
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	12	0.49
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	12	0.49
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	6	0.49
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	6	0.49
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	6	0.49
(1,1096)	1:B:123:LEU:HD21	1:B:85:GLN:HG3	3	0.49
(1,1096)	1:B:123:LEU:HD22	1:B:85:GLN:HG3	3	0.49
(1,1096)	1:B:123:LEU:HD23	1:B:85:GLN:HG3	3	0.49
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	5	0.49
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	5	0.49
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	5	0.49
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	5	0.49
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	5	0.49
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	5	0.49
(3,942)	1:B:97:VAL:HG11	1:B:98:LEU:H	5	0.48
(3,942)	1:B:97:VAL:HG12	1:B:98:LEU:H	5	0.48
(3,942)	1:B:97:VAL:HG13	1:B:98:LEU:H	5	0.48
(3,942)	1:B:97:VAL:HG11	1:B:97:VAL:H	5	0.48
(3,942)	1:B:97:VAL:HG12	1:B:97:VAL:H	5	0.48
(3,942)	1:B:97:VAL:HG13	1:B:97:VAL:H	5	0.48
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	17	0.48
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	17	0.48
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	17	0.48
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	17	0.48
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	17	0.48
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	17	0.48
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	17	0.48
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	17	0.48
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	17	0.48
(3,722)	1:B:27:VAL:HG11	1:B:30:GLN:HE21	8	0.48
(3,722)	1:B:27:VAL:HG12	1:B:30:GLN:HE21	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,722)	1:B:27:VAL:HG13	1:B:30:GLN:HE21	8	0.48
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE1	8	0.48
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE2	8	0.48
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE1	8	0.48
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE2	8	0.48
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE1	8	0.48
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE2	8	0.48
(3,541)	1:B:124:VAL:HG21	1:B:126:GLU:HG3	20	0.48
(3,541)	1:B:124:VAL:HG22	1:B:126:GLU:HG3	20	0.48
(3,541)	1:B:124:VAL:HG23	1:B:126:GLU:HG3	20	0.48
(3,541)	1:B:124:VAL:HG21	1:B:129:GLU:HB3	20	0.48
(3,541)	1:B:124:VAL:HG22	1:B:129:GLU:HB3	20	0.48
(3,541)	1:B:124:VAL:HG23	1:B:129:GLU:HB3	20	0.48
(3,541)	1:B:124:VAL:HG21	1:B:115:VAL:HB	20	0.48
(3,541)	1:B:124:VAL:HG22	1:B:115:VAL:HB	20	0.48
(3,541)	1:B:124:VAL:HG23	1:B:115:VAL:HB	20	0.48
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG3	18	0.48
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG2	18	0.48
(3,439)	1:B:14:GLU:HB3	1:B:17:LEU:HG	18	0.48
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	12	0.48
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	12	0.48
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	12	0.48
(3,378)	1:B:22:LEU:HD11	1:B:18:ARG:HD2	9	0.48
(3,378)	1:B:22:LEU:HD12	1:B:18:ARG:HD2	9	0.48
(3,378)	1:B:22:LEU:HD13	1:B:18:ARG:HD2	9	0.48
(3,378)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	9	0.48
(3,378)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	9	0.48
(3,378)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	9	0.48
(3,378)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	9	0.48
(3,378)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	9	0.48
(3,378)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	9	0.48
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	4	0.48
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	4	0.48
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	4	0.48
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	4	0.48
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	4	0.48
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	4	0.48
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	17	0.48
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	17	0.48
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	17	0.48
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	17	0.48
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	17	0.48
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	8	0.48
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	8	0.48
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	8	0.48
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	8	0.48
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	8	0.48
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	8	0.48
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	8	0.48
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	8	0.48
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	8	0.48
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	8	0.48
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	8	0.48
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	8	0.48
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	8	0.48
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	8	0.48
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	8	0.48
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	8	0.48
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	8	0.48
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	8	0.48
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	16	0.48
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	16	0.48
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	16	0.48
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	16	0.48
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	16	0.48
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	16	0.48
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	16	0.48
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	16	0.48
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	16	0.48
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	16	0.48
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	16	0.48
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	16	0.48
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	16	0.48
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	16	0.48
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	16	0.48
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	16	0.48
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	16	0.48
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	16	0.48
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	13	0.48
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	13	0.48
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	12	0.48
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	12	0.48
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	12	0.48
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	12	0.48
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	12	0.48
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	12	0.48
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	12	0.48
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	12	0.48
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	15	0.48
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	15	0.48
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	15	0.48
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	15	0.48
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	15	0.48
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	15	0.48
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	13	0.48
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	13	0.48
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	13	0.48
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	13	0.48
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	13	0.48
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	13	0.48
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	13	0.48
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	13	0.48
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	13	0.48
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	13	0.48
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	13	0.48
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	13	0.48
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	13	0.48
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	13	0.48
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	16	0.48
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	16	0.48
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	16	0.48
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	16	0.48
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	16	0.48
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	16	0.48
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	16	0.48
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	16	0.48
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	16	0.48
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	16	0.48
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	16	0.48
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	16	0.48
(1,980)	1:B:33:VAL:HG11	1:B:51:ILE:HG13	16	0.48
(1,980)	1:B:33:VAL:HG12	1:B:51:ILE:HG13	16	0.48
(1,980)	1:B:33:VAL:HG13	1:B:51:ILE:HG13	16	0.48
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	1	0.48
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	1	0.48
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	11	0.48
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	11	0.48
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	11	0.48
(1,949)	1:B:131:TYR:HE1	1:B:112:ALA:HA	6	0.48
(1,949)	1:B:131:TYR:HE2	1:B:112:ALA:HA	6	0.48
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	4	0.48
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	4	0.48
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	4	0.48
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	6	0.48
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	6	0.48
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	6	0.48
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	6	0.48
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	6	0.48
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	6	0.48
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	20	0.48
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	17	0.48
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	2	0.48
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	19	0.48
(1,312)	1:B:50:ILE:H	1:B:17:LEU:HD11	10	0.48
(1,312)	1:B:50:ILE:H	1:B:17:LEU:HD12	10	0.48
(1,312)	1:B:50:ILE:H	1:B:17:LEU:HD13	10	0.48
(1,2751)	1:B:108:LYS:HG2	1:B:108:LYS:H	16	0.48
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	8	0.48
(1,2725)	1:B:53:HIS:HD2	1:B:56:GLN:HB2	5	0.48
(1,2699)	1:B:118:LEU:HD11	1:B:123:LEU:HA	14	0.48
(1,2699)	1:B:118:LEU:HD12	1:B:123:LEU:HA	14	0.48
(1,2699)	1:B:118:LEU:HD13	1:B:123:LEU:HA	14	0.48
(1,2662)	1:B:42:THR:HG21	1:B:44:PRO:HD2	20	0.48
(1,2662)	1:B:42:THR:HG22	1:B:44:PRO:HD2	20	0.48
(1,2662)	1:B:42:THR:HG23	1:B:44:PRO:HD2	20	0.48
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	18	0.48
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD11	14	0.48
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD12	14	0.48
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD13	14	0.48
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	3	0.48
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	14	0.48
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	14	0.48
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	14	0.48
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	4	0.48
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	4	0.48
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	17	0.48
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	17	0.48
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	17	0.48
(1,2031)	1:B:57:MET:HE1	1:B:57:MET:HA	1	0.48
(1,2031)	1:B:57:MET:HE2	1:B:57:MET:HA	1	0.48
(1,2031)	1:B:57:MET:HE3	1:B:57:MET:HA	1	0.48
(1,2031)	1:B:57:MET:HE1	1:B:57:MET:HA	16	0.48
(1,2031)	1:B:57:MET:HE2	1:B:57:MET:HA	16	0.48
(1,2031)	1:B:57:MET:HE3	1:B:57:MET:HA	16	0.48
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	5	0.48
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	5	0.48
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	5	0.48
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	20	0.48
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	20	0.48
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	20	0.48
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	3	0.48
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	20	0.48
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	20	0.48
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	20	0.48
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	16	0.48
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	16	0.48
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	16	0.48
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	9	0.48
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	19	0.48
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	19	0.48
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	19	0.48
(1,1522)	1:B:97:VAL:HG21	1:B:92:ARG:HB2	9	0.48
(1,1522)	1:B:97:VAL:HG22	1:B:92:ARG:HB2	9	0.48
(1,1522)	1:B:97:VAL:HG23	1:B:92:ARG:HB2	9	0.48
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD11	8	0.48
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD12	8	0.48
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD13	8	0.48
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	9	0.48
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	9	0.48
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	9	0.48
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	9	0.48
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	9	0.48
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	9	0.48
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	9	0.48
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	9	0.48
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG11	5	0.48
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG12	5	0.48
(1,1205)	1:B:116:ASP:HA	1:B:124:VAL:HG13	5	0.48
(1,1110)	1:B:55:VAL:HG21	1:B:56:GLN:H	3	0.48
(1,1110)	1:B:55:VAL:HG22	1:B:56:GLN:H	3	0.48
(1,1110)	1:B:55:VAL:HG23	1:B:56:GLN:H	3	0.48
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD3	10	0.48
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD2	10	0.48
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	4	0.48
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	4	0.48
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	14	0.47
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	14	0.47
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	14	0.47
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	14	0.47
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	14	0.47
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	14	0.47
(3,820)	1:B:105:ILE:HA	1:B:87:LEU:HB2	3	0.47
(3,820)	1:B:105:ILE:HA	1:B:83:GLU:HB3	3	0.47
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	8	0.47
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	8	0.47
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	8	0.47
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	8	0.47
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	8	0.47
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	8	0.47
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	8	0.47
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	8	0.47
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	8	0.47
(3,722)	1:B:27:VAL:HG11	1:B:30:GLN:HE21	18	0.47
(3,722)	1:B:27:VAL:HG12	1:B:30:GLN:HE21	18	0.47
(3,722)	1:B:27:VAL:HG13	1:B:30:GLN:HE21	18	0.47
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE1	18	0.47
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE2	18	0.47
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE1	18	0.47
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE2	18	0.47
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE1	18	0.47
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE2	18	0.47
(3,719)	1:B:27:VAL:HG11	1:B:30:GLN:HE22	4	0.47
(3,719)	1:B:27:VAL:HG12	1:B:30:GLN:HE22	4	0.47
(3,719)	1:B:27:VAL:HG13	1:B:30:GLN:HE22	4	0.47
(3,719)	1:B:115:VAL:HG21	1:B:130:LEU:H	4	0.47
(3,719)	1:B:115:VAL:HG22	1:B:130:LEU:H	4	0.47
(3,719)	1:B:115:VAL:HG23	1:B:130:LEU:H	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	15	0.47
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	15	0.47
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	15	0.47
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	15	0.47
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	15	0.47
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	15	0.47
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	15	0.47
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	7	0.47
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	7	0.47
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	7	0.47
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	7	0.47
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	7	0.47
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	7	0.47
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	16	0.47
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	16	0.47
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	16	0.47
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	16	0.47
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	16	0.47
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	16	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	4	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	4	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	4	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	4	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	4	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	4	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	4	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	4	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	4	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	4	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	4	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	4	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	4	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	4	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	4	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	4	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	4	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	4	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	9	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	9	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	9	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	9	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	9	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	9	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	9	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	9	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	9	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	9	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	9	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	9	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	9	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	9	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	9	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	9	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	9	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	9	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	13	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	13	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	13	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	13	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	13	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	13	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	13	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	13	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	13	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	13	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	13	0.47
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	13	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	13	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	13	0.47
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	13	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	13	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	13	0.47
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	13	0.47
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	15	0.47
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	15	0.47
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	15	0.47
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	15	0.47
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	14	0.47
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	14	0.47
(3,1556)	1:B:42:THR:HA	1:B:41:ASN:HB3	16	0.47
(3,1556)	1:B:42:THR:HA	1:B:45:ARG:HD3	16	0.47
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	13	0.47
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	13	0.47
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	13	0.47
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	13	0.47
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	13	0.47
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	13	0.47
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	13	0.47
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	13	0.47
(3,1315)	1:B:59:LEU:HD11	1:B:18:ARG:HB3	8	0.47
(3,1315)	1:B:59:LEU:HD12	1:B:18:ARG:HB3	8	0.47
(3,1315)	1:B:59:LEU:HD13	1:B:18:ARG:HB3	8	0.47
(3,1315)	1:B:59:LEU:HD11	1:B:22:LEU:HG	8	0.47
(3,1315)	1:B:59:LEU:HD12	1:B:22:LEU:HG	8	0.47
(3,1315)	1:B:59:LEU:HD13	1:B:22:LEU:HG	8	0.47
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	12	0.47
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	12	0.47
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	7	0.47
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	7	0.47
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	7	0.47
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	7	0.47
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	7	0.47
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	7	0.47
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	1	0.47
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	1	0.47
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	1	0.47
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	1	0.47
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	1	0.47
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	1	0.47
(2,52)	1:B:35:ALA:HB1	1:B:33:VAL:HB	6	0.47
(2,52)	1:B:35:ALA:HB2	1:B:33:VAL:HB	6	0.47
(2,52)	1:B:35:ALA:HB3	1:B:33:VAL:HB	6	0.47
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	13	0.47
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	13	0.47
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	13	0.47
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	13	0.47
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	13	0.47
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	13	0.47
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	13	0.47
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	13	0.47
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	13	0.47
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	13	0.47
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	13	0.47
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	13	0.47
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	13	0.47
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	13	0.47
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	13	0.47
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	13	0.47
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	13	0.47
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	13	0.47
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	13	0.47
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	13	0.47
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	10	0.47
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	10	0.47
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	10	0.47
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	12	0.47
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	12	0.47
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	12	0.47
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	1	0.47
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	1	0.47
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	1	0.47
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	1	0.47
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	1	0.47
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	1	0.47
(1,837)	1:B:45:ARG:HE	1:B:53:HIS:HD2	2	0.47
(1,837)	1:B:45:ARG:HE	1:B:53:HIS:HD2	7	0.47
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	1	0.47
(1,449)	1:B:68:ARG:H	1:B:67:GLN:HB3	7	0.47
(1,435)	1:B:67:GLN:H	1:B:66:PHE:H	1	0.47
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	4	0.47
(1,2658)	1:B:8:THR:HB	1:B:9:TRP:HD1	19	0.47
(1,2619)	1:B:11:PRO:HA	1:B:14:GLU:HB2	5	0.47
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	1	0.47
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	1	0.47
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	1	0.47
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	7	0.47
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	12	0.47
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	7	0.47
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	7	0.47
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	7	0.47
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	12	0.47
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	12	0.47
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	12	0.47
(1,2294)	1:B:43:VAL:HG11	1:B:44:PRO:HD2	1	0.47
(1,2294)	1:B:43:VAL:HG12	1:B:44:PRO:HD2	1	0.47
(1,2294)	1:B:43:VAL:HG13	1:B:44:PRO:HD2	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2031)	1:B:57:MET:HE1	1:B:57:MET:HA	6	0.47
(1,2031)	1:B:57:MET:HE2	1:B:57:MET:HA	6	0.47
(1,2031)	1:B:57:MET:HE3	1:B:57:MET:HA	6	0.47
(1,2031)	1:B:57:MET:HE1	1:B:57:MET:HA	20	0.47
(1,2031)	1:B:57:MET:HE2	1:B:57:MET:HA	20	0.47
(1,2031)	1:B:57:MET:HE3	1:B:57:MET:HA	20	0.47
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	8	0.47
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	8	0.47
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	8	0.47
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	8	0.47
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	8	0.47
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	8	0.47
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	4	0.47
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	4	0.47
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	4	0.47
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	4	0.47
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	4	0.47
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	4	0.47
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	4	0.47
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	4	0.47
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	4	0.47
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	16	0.47
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	1	0.47
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	1	0.47
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	1	0.47
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	15	0.47
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG11	9	0.47
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG12	9	0.47
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG13	9	0.47
(1,1660)	1:B:90:GLU:HA	1:B:90:GLU:HG2	5	0.47
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	18	0.47
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	18	0.47
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	18	0.47
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	14	0.47
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	6	0.47
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	6	0.47
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	6	0.47
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	5	0.47
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	5	0.47
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	5	0.47
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	11	0.47
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	11	0.47
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	19	0.47
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	19	0.47
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	19	0.47
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	15	0.47
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	15	0.47
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	15	0.47
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	3	0.47
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	3	0.47
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	3	0.47
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	17	0.47
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	17	0.47
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	17	0.47
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG21	18	0.47
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG22	18	0.47
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG23	18	0.47
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG11	5	0.47
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG12	5	0.47
(1,1193)	1:B:119:LEU:HG	1:B:124:VAL:HG13	5	0.47
(1,1165)	1:B:119:LEU:HD11	1:B:127:ARG:HD3	7	0.47
(1,1165)	1:B:119:LEU:HD12	1:B:127:ARG:HD3	7	0.47
(1,1165)	1:B:119:LEU:HD13	1:B:127:ARG:HD3	7	0.47
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	17	0.47
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	17	0.47
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	6	0.46
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	6	0.46
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	6	0.46
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	6	0.46
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	6	0.46
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	6	0.46
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	11	0.46
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	11	0.46
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	11	0.46
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	11	0.46
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	11	0.46
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	11	0.46
(3,862)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	11	0.46
(3,862)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	11	0.46
(3,862)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	11	0.46
(3,862)	1:B:101:ILE:HD11	1:B:98:LEU:HB3	11	0.46
(3,862)	1:B:101:ILE:HD12	1:B:98:LEU:HB3	11	0.46
(3,862)	1:B:101:ILE:HD13	1:B:98:LEU:HB3	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,862)	1:B:105:ILE:HD11	1:B:114:ILE:HG13	11	0.46
(3,862)	1:B:105:ILE:HD12	1:B:114:ILE:HG13	11	0.46
(3,862)	1:B:105:ILE:HD13	1:B:114:ILE:HG13	11	0.46
(3,862)	1:B:101:ILE:HD11	1:B:114:ILE:HG13	11	0.46
(3,862)	1:B:101:ILE:HD12	1:B:114:ILE:HG13	11	0.46
(3,862)	1:B:101:ILE:HD13	1:B:114:ILE:HG13	11	0.46
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	18	0.46
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	18	0.46
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	18	0.46
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	18	0.46
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	18	0.46
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	18	0.46
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	18	0.46
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	18	0.46
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	18	0.46
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	18	0.46
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	18	0.46
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	18	0.46
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	18	0.46
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	18	0.46
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	18	0.46
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	18	0.46
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	18	0.46
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	18	0.46
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG21	11	0.46
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG22	11	0.46
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG23	11	0.46
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG21	11	0.46
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG22	11	0.46
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG23	11	0.46
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG11	16	0.46
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG12	16	0.46
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG13	16	0.46
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG11	16	0.46
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG12	16	0.46
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG13	16	0.46
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG11	16	0.46
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG12	16	0.46
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG13	16	0.46
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD11	16	0.46
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD12	16	0.46
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD13	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD11	16	0.46
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD12	16	0.46
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD13	16	0.46
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD11	16	0.46
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD12	16	0.46
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD13	16	0.46
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	4	0.46
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	4	0.46
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	4	0.46
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	4	0.46
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	4	0.46
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	4	0.46
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	4	0.46
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	4	0.46
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	4	0.46
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	4	0.46
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	4	0.46
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	4	0.46
(3,585)	1:B:121:LEU:HD11	1:B:87:LEU:H	6	0.46
(3,585)	1:B:121:LEU:HD12	1:B:87:LEU:H	6	0.46
(3,585)	1:B:121:LEU:HD13	1:B:87:LEU:H	6	0.46
(3,585)	1:B:121:LEU:HD11	1:B:81:GLU:H	6	0.46
(3,585)	1:B:121:LEU:HD12	1:B:81:GLU:H	6	0.46
(3,585)	1:B:121:LEU:HD13	1:B:81:GLU:H	6	0.46
(3,585)	1:B:121:LEU:HD11	1:B:128:ARG:H	6	0.46
(3,585)	1:B:121:LEU:HD12	1:B:128:ARG:H	6	0.46
(3,585)	1:B:121:LEU:HD13	1:B:128:ARG:H	6	0.46
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	12	0.46
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	12	0.46
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	12	0.46
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	12	0.46
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	12	0.46
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	12	0.46
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	12	0.46
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	12	0.46
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	12	0.46
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	12	0.46
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	12	0.46
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	12	0.46
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	5	0.46
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	5	0.46
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	12	0.46
(3,1361)	1:B:55:VAL:HG11	1:B:52:HIS:HB2	1	0.46
(3,1361)	1:B:55:VAL:HG12	1:B:52:HIS:HB2	1	0.46
(3,1361)	1:B:55:VAL:HG13	1:B:52:HIS:HB2	1	0.46
(3,1361)	1:B:74:VAL:HG11	1:B:127:ARG:HD3	1	0.46
(3,1361)	1:B:74:VAL:HG12	1:B:127:ARG:HD3	1	0.46
(3,1361)	1:B:74:VAL:HG13	1:B:127:ARG:HD3	1	0.46
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	13	0.46
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	13	0.46
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	13	0.46
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	13	0.46
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	13	0.46
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	13	0.46
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	20	0.46
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	20	0.46
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	20	0.46
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	4	0.46
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	4	0.46
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	4	0.46
(3,1234)	1:B:46:THR:HG21	1:B:47:ARG:HD3	7	0.46
(3,1234)	1:B:46:THR:HG22	1:B:47:ARG:HD3	7	0.46
(3,1234)	1:B:46:THR:HG23	1:B:47:ARG:HD3	7	0.46
(3,1234)	1:B:46:THR:HG21	1:B:52:HIS:HB2	7	0.46
(3,1234)	1:B:46:THR:HG22	1:B:52:HIS:HB2	7	0.46
(3,1234)	1:B:46:THR:HG23	1:B:52:HIS:HB2	7	0.46
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	20	0.46
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	20	0.46
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	20	0.46
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	20	0.46
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	20	0.46
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	20	0.46
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	10	0.46
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	10	0.46
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	10	0.46
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	10	0.46
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	10	0.46
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	10	0.46
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	6	0.46
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	4	0.46
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	4	0.46
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	4	0.46
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	18	0.46
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	18	0.46
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	2	0.46
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	2	0.46
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG3	17	0.46
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG2	17	0.46
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	5	0.46
(1,6)	1:B:4:ARG:H	1:B:4:ARG:HB2	17	0.46
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	14	0.46
(1,445)	1:B:67:GLN:HE21	1:B:37:LEU:HD21	11	0.46
(1,445)	1:B:67:GLN:HE21	1:B:37:LEU:HD22	11	0.46
(1,445)	1:B:67:GLN:HE21	1:B:37:LEU:HD23	11	0.46
(1,31)	1:B:9:TRP:H	1:B:9:TRP:HD1	7	0.46
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	5	0.46
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HB	4	0.46
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HG13	4	0.46
(1,2294)	1:B:43:VAL:HG11	1:B:44:PRO:HD2	7	0.46
(1,2294)	1:B:43:VAL:HG12	1:B:44:PRO:HD2	7	0.46
(1,2294)	1:B:43:VAL:HG13	1:B:44:PRO:HD2	7	0.46
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	3	0.46
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	3	0.46
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	3	0.46
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG21	10	0.46
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG22	10	0.46
(1,2046)	1:B:30:GLN:HG3	1:B:27:VAL:HG23	10	0.46
(1,2031)	1:B:57:MET:HE1	1:B:57:MET:HA	5	0.46
(1,2031)	1:B:57:MET:HE2	1:B:57:MET:HA	5	0.46
(1,2031)	1:B:57:MET:HE3	1:B:57:MET:HA	5	0.46
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	4	0.46
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	4	0.46
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	4	0.46
(1,1995)	1:B:37:LEU:HD21	1:B:50:ILE:HB	20	0.46
(1,1995)	1:B:37:LEU:HD22	1:B:50:ILE:HB	20	0.46
(1,1995)	1:B:37:LEU:HD23	1:B:50:ILE:HB	20	0.46
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	13	0.46
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	13	0.46
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	13	0.46
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	7	0.46
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	7	0.46
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	7	0.46
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	12	0.46
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	12	0.46
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	20	0.46
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	20	0.46
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	20	0.46
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	5	0.46
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	5	0.46
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	5	0.46
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG11	2	0.46
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG12	2	0.46
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG13	2	0.46
(1,1530)	1:B:97:VAL:HG21	1:B:88:PHE:H	5	0.46
(1,1530)	1:B:97:VAL:HG22	1:B:88:PHE:H	5	0.46
(1,1530)	1:B:97:VAL:HG23	1:B:88:PHE:H	5	0.46
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	13	0.46
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	20	0.46
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	20	0.46
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	20	0.46
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	16	0.46
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	16	0.46
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	16	0.46
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	20	0.46
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	20	0.46
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	20	0.46
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	20	0.46
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	20	0.46
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	20	0.46
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	3	0.46
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	3	0.46
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	3	0.46
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	3	0.46
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	3	0.46
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	3	0.46
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	8	0.45
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	8	0.45
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	8	0.45
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	8	0.45
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	8	0.45
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	8	0.45
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	8	0.45
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	8	0.45
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	8	0.45
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	17	0.45
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	17	0.45
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	17	0.45
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	17	0.45
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	17	0.45
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	13	0.45
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	13	0.45
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	13	0.45
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	13	0.45
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	13	0.45
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	13	0.45
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	13	0.45
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	13	0.45
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	13	0.45
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	13	0.45
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	13	0.45
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	13	0.45
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	13	0.45
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	13	0.45
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	13	0.45
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	13	0.45
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	13	0.45
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	13	0.45
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	11	0.45
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	11	0.45
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	11	0.45
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	11	0.45
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB3	11	0.45
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB3	11	0.45
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB3	11	0.45
(3,385)	1:B:130:LEU:HD21	1:B:115:VAL:HB	11	0.45
(3,385)	1:B:130:LEU:HD22	1:B:115:VAL:HB	11	0.45
(3,385)	1:B:130:LEU:HD23	1:B:115:VAL:HB	11	0.45
(3,385)	1:B:82:LEU:HD21	1:B:85:GLN:HB2	11	0.45
(3,385)	1:B:82:LEU:HD22	1:B:85:GLN:HB2	11	0.45
(3,385)	1:B:82:LEU:HD23	1:B:85:GLN:HB2	11	0.45
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	4	0.45
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	4	0.45
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	4	0.45
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	4	0.45
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	4	0.45
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD21	2	0.45
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD22	2	0.45
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD23	2	0.45
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD21	2	0.45
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD22	2	0.45
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD23	2	0.45
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	20	0.45
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	20	0.45
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	20	0.45
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	20	0.45
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	20	0.45
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	20	0.45
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	20	0.45
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	20	0.45
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	20	0.45
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	20	0.45
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	20	0.45
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	20	0.45
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	20	0.45
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	20	0.45
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	20	0.45
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	20	0.45
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	20	0.45
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	20	0.45
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	19	0.45
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	19	0.45
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	19	0.45
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	8	0.45
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	8	0.45
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	8	0.45
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	8	0.45
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	8	0.45
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	8	0.45
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	8	0.45
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	8	0.45
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	8	0.45
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	8	0.45
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	8	0.45
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	8	0.45
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	8	0.45
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	8	0.45
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	8	0.45
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	8	0.45
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	8	0.45
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	4	0.45
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	4	0.45
(3,1552)	1:B:43:VAL:HG21	1:B:42:THR:H	7	0.45
(3,1552)	1:B:43:VAL:HG22	1:B:42:THR:H	7	0.45
(3,1552)	1:B:43:VAL:HG23	1:B:42:THR:H	7	0.45
(3,1552)	1:B:43:VAL:HG21	1:B:50:ILE:H	7	0.45
(3,1552)	1:B:43:VAL:HG22	1:B:50:ILE:H	7	0.45
(3,1552)	1:B:43:VAL:HG23	1:B:50:ILE:H	7	0.45
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	15	0.45
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	15	0.45
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	15	0.45
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	15	0.45
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	15	0.45
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	15	0.45
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD2	9	0.45
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD2	9	0.45
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD2	9	0.45
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG3	9	0.45
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG3	9	0.45
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG3	9	0.45
(3,1272)	1:B:63:VAL:HG21	1:B:64:LYS:HD3	9	0.45
(3,1272)	1:B:63:VAL:HG22	1:B:64:LYS:HD3	9	0.45
(3,1272)	1:B:63:VAL:HG23	1:B:64:LYS:HD3	9	0.45
(3,1272)	1:B:63:VAL:HG21	1:B:68:ARG:HG2	9	0.45
(3,1272)	1:B:63:VAL:HG22	1:B:68:ARG:HG2	9	0.45
(3,1272)	1:B:63:VAL:HG23	1:B:68:ARG:HG2	9	0.45
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	9	0.45
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	9	0.45
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	9	0.45
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	9	0.45
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	9	0.45
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	9	0.45
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	16	0.45
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	16	0.45
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	16	0.45
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	19	0.45
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	19	0.45
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	19	0.45
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	19	0.45
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	19	0.45
(3,1063)	1:B:85:GLN:HG2	1:B:86:ARG:HG3	17	0.45
(3,1063)	1:B:85:GLN:HG2	1:B:82:LEU:HB3	17	0.45
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	7	0.45
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	7	0.45
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	3	0.45
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	3	0.45
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	3	0.45
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	3	0.45
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	3	0.45
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	3	0.45
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	8	0.45
(1,816)	1:B:138:LEU:H	1:B:138:LEU:HB2	7	0.45
(1,816)	1:B:138:LEU:H	1:B:138:LEU:HB3	7	0.45
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	2	0.45
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	2	0.45
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	14	0.45
(1,426)	1:B:66:PHE:H	1:B:66:PHE:HD1	12	0.45
(1,426)	1:B:66:PHE:H	1:B:66:PHE:HD2	12	0.45
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	18	0.45
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	19	0.45
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	1	0.45
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	1	0.45
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	1	0.45
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	1	0.45
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	1	0.45
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	1	0.45
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	1	0.45
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	1	0.45
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	1	0.45
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	1	0.45
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	9	0.45
(1,2294)	1:B:43:VAL:HG11	1:B:44:PRO:HD2	10	0.45
(1,2294)	1:B:43:VAL:HG12	1:B:44:PRO:HD2	10	0.45
(1,2294)	1:B:43:VAL:HG13	1:B:44:PRO:HD2	10	0.45
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	8	0.45
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	8	0.45
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	8	0.45
(1,2031)	1:B:57:MET:HE1	1:B:57:MET:HA	8	0.45
(1,2031)	1:B:57:MET:HE2	1:B:57:MET:HA	8	0.45
(1,2031)	1:B:57:MET:HE3	1:B:57:MET:HA	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2031)	1:B:57:MET:HE1	1:B:57:MET:HA	15	0.45
(1,2031)	1:B:57:MET:HE2	1:B:57:MET:HA	15	0.45
(1,2031)	1:B:57:MET:HE3	1:B:57:MET:HA	15	0.45
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	11	0.45
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	11	0.45
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	11	0.45
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	11	0.45
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	11	0.45
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	11	0.45
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	13	0.45
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	13	0.45
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	13	0.45
(1,1995)	1:B:37:LEU:HD21	1:B:50:ILE:HB	6	0.45
(1,1995)	1:B:37:LEU:HD22	1:B:50:ILE:HB	6	0.45
(1,1995)	1:B:37:LEU:HD23	1:B:50:ILE:HB	6	0.45
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	18	0.45
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	18	0.45
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	18	0.45
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	7	0.45
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	7	0.45
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	7	0.45
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	13	0.45
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	13	0.45
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	13	0.45
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	9	0.45
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	9	0.45
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	9	0.45
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	10	0.45
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	7	0.45
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	7	0.45
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	7	0.45
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	13	0.45
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	13	0.45
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	13	0.45
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD21	10	0.45
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD22	10	0.45
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD23	10	0.45
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD11	10	0.45
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD12	10	0.45
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD13	10	0.45
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG21	1	0.45
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG22	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG23	1	0.45
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG21	13	0.45
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG22	13	0.45
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG23	13	0.45
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	6	0.45
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	6	0.45
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	6	0.45
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	6	0.45
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	6	0.45
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	6	0.45
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	6	0.45
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	6	0.45
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	6	0.45
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	6	0.45
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	6	0.45
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	6	0.45
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	12	0.45
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	12	0.45
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	12	0.45
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG11	8	0.45
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG12	8	0.45
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG13	8	0.45
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG21	8	0.45
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG22	8	0.45
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG23	8	0.45
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD21	19	0.45
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD22	19	0.45
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD23	19	0.45
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD21	19	0.45
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD22	19	0.45
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD23	19	0.45
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD21	19	0.45
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD22	19	0.45
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD23	19	0.45
(1,1286)	1:B:114:ILE:HD11	1:B:109:ARG:HD2	2	0.45
(1,1286)	1:B:114:ILE:HD12	1:B:109:ARG:HD2	2	0.45
(1,1286)	1:B:114:ILE:HD13	1:B:109:ARG:HD2	2	0.45
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	17	0.45
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	17	0.45
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	17	0.45
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	6	0.45
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	6	0.45
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	6	0.45
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	6	0.45
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	6	0.45
(1,1246)	1:B:87:LEU:HD11	1:B:104:ASN:H	5	0.45
(1,1246)	1:B:87:LEU:HD12	1:B:104:ASN:H	5	0.45
(1,1246)	1:B:87:LEU:HD13	1:B:104:ASN:H	5	0.45
(1,1246)	1:B:87:LEU:HD11	1:B:104:ASN:H	8	0.45
(1,1246)	1:B:87:LEU:HD12	1:B:104:ASN:H	8	0.45
(1,1246)	1:B:87:LEU:HD13	1:B:104:ASN:H	8	0.45
(1,1246)	1:B:87:LEU:HD11	1:B:104:ASN:H	19	0.45
(1,1246)	1:B:87:LEU:HD12	1:B:104:ASN:H	19	0.45
(1,1246)	1:B:87:LEU:HD13	1:B:104:ASN:H	19	0.45
(3,862)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	17	0.44
(3,862)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	17	0.44
(3,862)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	17	0.44
(3,862)	1:B:101:ILE:HD11	1:B:98:LEU:HB3	17	0.44
(3,862)	1:B:101:ILE:HD12	1:B:98:LEU:HB3	17	0.44
(3,862)	1:B:101:ILE:HD13	1:B:98:LEU:HB3	17	0.44
(3,862)	1:B:105:ILE:HD11	1:B:114:ILE:HG13	17	0.44
(3,862)	1:B:105:ILE:HD12	1:B:114:ILE:HG13	17	0.44
(3,862)	1:B:105:ILE:HD13	1:B:114:ILE:HG13	17	0.44
(3,862)	1:B:101:ILE:HD11	1:B:114:ILE:HG13	17	0.44
(3,862)	1:B:101:ILE:HD12	1:B:114:ILE:HG13	17	0.44
(3,862)	1:B:101:ILE:HD13	1:B:114:ILE:HG13	17	0.44
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD11	16	0.44
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD12	16	0.44
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD13	16	0.44
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD11	16	0.44
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD12	16	0.44
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD13	16	0.44
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD11	16	0.44
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD12	16	0.44
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD13	16	0.44
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG21	16	0.44
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG22	16	0.44
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG23	16	0.44
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG21	16	0.44
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG22	16	0.44
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG23	16	0.44
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG21	16	0.44
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG22	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG23	16	0.44
(3,662)	1:B:116:ASP:HA	1:B:127:ARG:HG2	13	0.44
(3,662)	1:B:87:LEU:HA	1:B:90:GLU:HB2	13	0.44
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	5	0.44
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	5	0.44
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	5	0.44
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	5	0.44
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	5	0.44
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	5	0.44
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	20	0.44
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	20	0.44
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	20	0.44
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	20	0.44
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	20	0.44
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	20	0.44
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	5	0.44
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	5	0.44
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	5	0.44
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	5	0.44
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	5	0.44
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	5	0.44
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	5	0.44
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	5	0.44
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	5	0.44
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	5	0.44
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	5	0.44
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	5	0.44
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	5	0.44
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	5	0.44
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	5	0.44
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	5	0.44
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	5	0.44
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	5	0.44
(3,1864)	1:B:6:ALA:HB1	1:B:45:ARG:HD3	7	0.44
(3,1864)	1:B:6:ALA:HB2	1:B:45:ARG:HD3	7	0.44
(3,1864)	1:B:6:ALA:HB3	1:B:45:ARG:HD3	7	0.44
(3,1864)	1:B:6:ALA:HB1	1:B:9:TRP:HB3	7	0.44
(3,1864)	1:B:6:ALA:HB2	1:B:9:TRP:HB3	7	0.44
(3,1864)	1:B:6:ALA:HB3	1:B:9:TRP:HB3	7	0.44
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	8	0.44
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	8	0.44
(3,1569)	1:B:40:LEU:HB2	1:B:37:LEU:HA	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1569)	1:B:40:LEU:HB2	1:B:17:LEU:HA	7	0.44
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	18	0.44
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	18	0.44
(3,1344)	1:B:30:GLN:HG2	1:B:32:VAL:HG11	4	0.44
(3,1344)	1:B:30:GLN:HG2	1:B:32:VAL:HG12	4	0.44
(3,1344)	1:B:30:GLN:HG2	1:B:32:VAL:HG13	4	0.44
(3,1344)	1:B:30:GLN:HG2	1:B:38:ALA:HB1	4	0.44
(3,1344)	1:B:30:GLN:HG2	1:B:38:ALA:HB2	4	0.44
(3,1344)	1:B:30:GLN:HG2	1:B:38:ALA:HB3	4	0.44
(3,1344)	1:B:56:GLN:HG3	1:B:59:LEU:HB2	4	0.44
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	2	0.44
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	2	0.44
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	2	0.44
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	2	0.44
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	2	0.44
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	2	0.44
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	2	0.44
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	2	0.44
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	2	0.44
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	3	0.44
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	3	0.44
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	18	0.44
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	18	0.44
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	1	0.44
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	1	0.44
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	1	0.44
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	1	0.44
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	1	0.44
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	1	0.44
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	1	0.44
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	1	0.44
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	1	0.44
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	8	0.44
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	8	0.44
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	8	0.44
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	6	0.44
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	6	0.44
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	6	0.44
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	6	0.44
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	6	0.44
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	6	0.44
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	6	0.44
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	6	0.44
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	6	0.44
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	6	0.44
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	6	0.44
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	14	0.44
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	14	0.44
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	14	0.44
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	14	0.44
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	14	0.44
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	14	0.44
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	14	0.44
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	14	0.44
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	14	0.44
(1,897)	1:B:33:VAL:HG11	1:B:51:ILE:HA	15	0.44
(1,897)	1:B:33:VAL:HG12	1:B:51:ILE:HA	15	0.44
(1,897)	1:B:33:VAL:HG13	1:B:51:ILE:HA	15	0.44
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	16	0.44
(1,444)	1:B:67:GLN:HE21	1:B:33:VAL:HG11	11	0.44
(1,444)	1:B:67:GLN:HE21	1:B:33:VAL:HG12	11	0.44
(1,444)	1:B:67:GLN:HE21	1:B:33:VAL:HG13	11	0.44
(1,425)	1:B:66:PHE:H	1:B:67:GLN:HB2	1	0.44
(1,2751)	1:B:108:LYS:HG2	1:B:108:LYS:H	13	0.44
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	16	0.44
(1,2710)	1:B:87:LEU:HD11	1:B:104:ASN:HB2	17	0.44
(1,2710)	1:B:87:LEU:HD12	1:B:104:ASN:HB2	17	0.44
(1,2710)	1:B:87:LEU:HD13	1:B:104:ASN:HB2	17	0.44
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	20	0.44
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	20	0.44
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	20	0.44
(1,2557)	1:B:17:LEU:HD21	1:B:53:HIS:HB3	6	0.44
(1,2557)	1:B:17:LEU:HD22	1:B:53:HIS:HB3	6	0.44
(1,2557)	1:B:17:LEU:HD23	1:B:53:HIS:HB3	6	0.44
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	14	0.44
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	11	0.44
(1,2279)	1:B:43:VAL:HG21	1:B:45:ARG:HG2	8	0.44
(1,2279)	1:B:43:VAL:HG22	1:B:45:ARG:HG2	8	0.44
(1,2279)	1:B:43:VAL:HG23	1:B:45:ARG:HG2	8	0.44
(1,2197)	1:B:49:GLN:HG2	1:B:45:ARG:HG3	15	0.44
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	4	0.44
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	4	0.44
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD11	8	0.44
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD12	8	0.44
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD13	8	0.44
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD11	8	0.44
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD12	8	0.44
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD13	8	0.44
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD11	8	0.44
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD12	8	0.44
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD13	8	0.44
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD11	16	0.44
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD12	16	0.44
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD13	16	0.44
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD11	16	0.44
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD12	16	0.44
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD13	16	0.44
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD11	16	0.44
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD12	16	0.44
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD13	16	0.44
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	12	0.44
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	12	0.44
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	12	0.44
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	12	0.44
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	12	0.44
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	12	0.44
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	12	0.44
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	12	0.44
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	12	0.44
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	5	0.44
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	5	0.44
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	5	0.44
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	8	0.44
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	8	0.44
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	8	0.44
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	1	0.44
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	1	0.44
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	1	0.44
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	8	0.44
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	8	0.44
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	8	0.44
(1,1963)	1:B:6:ALA:HA	1:B:44:PRO:HG2	20	0.44
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	18	0.44
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	10	0.44
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	10	0.44
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	10	0.44
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB1	18	0.44
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB2	18	0.44
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB3	18	0.44
(1,1734)	1:B:85:GLN:HG3	1:B:88:PHE:HB3	6	0.44
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	5	0.44
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	5	0.44
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	5	0.44
(1,1691)	1:B:20:LEU:HD11	1:B:36:ILE:HG12	5	0.44
(1,1691)	1:B:20:LEU:HD12	1:B:36:ILE:HG12	5	0.44
(1,1691)	1:B:20:LEU:HD13	1:B:36:ILE:HG12	5	0.44
(1,1660)	1:B:90:GLU:HA	1:B:90:GLU:HG2	18	0.44
(1,1578)	1:B:92:ARG:HB3	1:B:89:GLU:HA	11	0.44
(1,1390)	1:B:106:THR:HG21	1:B:105:ILE:HB	1	0.44
(1,1390)	1:B:106:THR:HG22	1:B:105:ILE:HB	1	0.44
(1,1390)	1:B:106:THR:HG23	1:B:105:ILE:HB	1	0.44
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	7	0.44
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	7	0.44
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	7	0.44
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	11	0.44
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	11	0.44
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	11	0.44
(1,1154)	1:B:120:ALA:HB1	1:B:121:LEU:HD11	4	0.44
(1,1154)	1:B:120:ALA:HB1	1:B:121:LEU:HD12	4	0.44
(1,1154)	1:B:120:ALA:HB1	1:B:121:LEU:HD13	4	0.44
(1,1154)	1:B:120:ALA:HB2	1:B:121:LEU:HD11	4	0.44
(1,1154)	1:B:120:ALA:HB2	1:B:121:LEU:HD12	4	0.44
(1,1154)	1:B:120:ALA:HB2	1:B:121:LEU:HD13	4	0.44
(1,1154)	1:B:120:ALA:HB3	1:B:121:LEU:HD11	4	0.44
(1,1154)	1:B:120:ALA:HB3	1:B:121:LEU:HD12	4	0.44
(1,1154)	1:B:120:ALA:HB3	1:B:121:LEU:HD13	4	0.44
(1,1081)	1:B:124:VAL:HG21	1:B:126:GLU:H	19	0.44
(1,1081)	1:B:124:VAL:HG22	1:B:126:GLU:H	19	0.44
(1,1081)	1:B:124:VAL:HG23	1:B:126:GLU:H	19	0.44
(3,865)	1:B:101:ILE:HD11	1:B:102:MET:HG3	8	0.43
(3,865)	1:B:101:ILE:HD12	1:B:102:MET:HG3	8	0.43
(3,865)	1:B:101:ILE:HD13	1:B:102:MET:HG3	8	0.43
(3,865)	1:B:105:ILE:HD11	1:B:102:MET:HG3	8	0.43
(3,865)	1:B:105:ILE:HD12	1:B:102:MET:HG3	8	0.43
(3,865)	1:B:105:ILE:HD13	1:B:102:MET:HG3	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	4	0.43
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	4	0.43
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	4	0.43
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	4	0.43
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	4	0.43
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	4	0.43
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	8	0.43
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	8	0.43
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	8	0.43
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	8	0.43
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	8	0.43
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	8	0.43
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	8	0.43
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	8	0.43
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	8	0.43
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	8	0.43
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	8	0.43
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	8	0.43
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	8	0.43
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	8	0.43
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	8	0.43
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	8	0.43
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	8	0.43
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	8	0.43
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	12	0.43
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	12	0.43
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	12	0.43
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	12	0.43
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	12	0.43
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	12	0.43
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	11	0.43
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	11	0.43
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	11	0.43
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	11	0.43
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	11	0.43
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	11	0.43
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	11	0.43
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	11	0.43
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	11	0.43
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	11	0.43
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	11	0.43
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	11	0.43
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	11	0.43
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	11	0.43
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	11	0.43
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	11	0.43
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	11	0.43
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	7	0.43
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	7	0.43
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	7	0.43
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	7	0.43
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	7	0.43
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	7	0.43
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	7	0.43
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	18	0.43
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	18	0.43
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	18	0.43
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	18	0.43
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	18	0.43
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	18	0.43
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	6	0.43
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	6	0.43
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	6	0.43
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	6	0.43
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	6	0.43
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	6	0.43
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	6	0.43
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	6	0.43
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	12	0.43
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	12	0.43
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	12	0.43
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	12	0.43
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	12	0.43
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	12	0.43
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	12	0.43
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	12	0.43
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	12	0.43
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	12	0.43
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	12	0.43
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	12	0.43
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	12	0.43
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	12	0.43
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	12	0.43
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	12	0.43
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	12	0.43
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	12	0.43
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	12	0.43
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	12	0.43
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	12	0.43
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	12	0.43
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	12	0.43
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	12	0.43
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	12	0.43
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	12	0.43
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	12	0.43
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	12	0.43
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	12	0.43
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	11	0.43
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	11	0.43
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	11	0.43
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	11	0.43
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	11	0.43
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	11	0.43
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	11	0.43
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	11	0.43
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	11	0.43
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	4	0.43
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	4	0.43
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	4	0.43
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	4	0.43
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	4	0.43
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	4	0.43
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	4	0.43
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	4	0.43
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	4	0.43
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	3	0.43
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	3	0.43
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	3	0.43
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	3	0.43
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	3	0.43
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	3	0.43
(3,1321)	1:B:37:LEU:HD21	1:B:34:GLU:H	5	0.43
(3,1321)	1:B:37:LEU:HD22	1:B:34:GLU:H	5	0.43
(3,1321)	1:B:37:LEU:HD23	1:B:34:GLU:H	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1321)	1:B:37:LEU:HD21	1:B:33:VAL:H	5	0.43
(3,1321)	1:B:37:LEU:HD22	1:B:33:VAL:H	5	0.43
(3,1321)	1:B:37:LEU:HD23	1:B:33:VAL:H	5	0.43
(3,1261)	1:B:65:ASP:HB3	1:B:63:VAL:HG11	16	0.43
(3,1261)	1:B:65:ASP:HB3	1:B:63:VAL:HG12	16	0.43
(3,1261)	1:B:65:ASP:HB3	1:B:63:VAL:HG13	16	0.43
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG11	16	0.43
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG12	16	0.43
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG13	16	0.43
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG21	16	0.43
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG22	16	0.43
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG23	16	0.43
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	7	0.43
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	7	0.43
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	17	0.43
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	17	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	2	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	2	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	2	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	2	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	2	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	2	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	12	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	12	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	12	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	12	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	12	0.43
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	12	0.43
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	11	0.43
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	11	0.43
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	11	0.43
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	20	0.43
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	20	0.43
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	20	0.43
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	20	0.43
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	20	0.43
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	20	0.43
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	20	0.43
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	20	0.43
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	20	0.43
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	20	0.43
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	20	0.43
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	19	0.43
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	19	0.43
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	19	0.43
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	19	0.43
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	19	0.43
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	19	0.43
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	19	0.43
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	19	0.43
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	19	0.43
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	14	0.43
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	14	0.43
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	14	0.43
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	19	0.43
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	19	0.43
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	19	0.43
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	2	0.43
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	2	0.43
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	2	0.43
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	14	0.43
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	14	0.43
(1,622)	1:B:97:VAL:H	1:B:97:VAL:HG11	5	0.43
(1,622)	1:B:97:VAL:H	1:B:97:VAL:HG12	5	0.43
(1,622)	1:B:97:VAL:H	1:B:97:VAL:HG13	5	0.43
(1,2619)	1:B:11:PRO:HA	1:B:14:GLU:HB2	11	0.43
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD21	10	0.43
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD22	10	0.43
(1,2608)	1:B:14:GLU:HG3	1:B:17:LEU:HD23	10	0.43
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	20	0.43
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	20	0.43
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	20	0.43
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HB	10	0.43
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HG13	10	0.43
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	11	0.43
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	11	0.43
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	11	0.43
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	5	0.43
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	5	0.43
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	5	0.43
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	19	0.43
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	19	0.43
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	16	0.43
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	16	0.43
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	16	0.43
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	8	0.43
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	8	0.43
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	8	0.43
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	5	0.43
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	5	0.43
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	5	0.43
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	12	0.43
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	12	0.43
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	12	0.43
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	14	0.43
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG21	6	0.43
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG22	6	0.43
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG23	6	0.43
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG21	6	0.43
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG22	6	0.43
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG23	6	0.43
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE1	12	0.43
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE2	12	0.43
(1,1566)	1:B:92:ARG:HG2	1:B:93:ASP:HB3	20	0.43
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG21	20	0.43
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG22	20	0.43
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG23	20	0.43
(1,1507)	1:B:98:LEU:HD11	1:B:102:MET:HG2	13	0.43
(1,1507)	1:B:98:LEU:HD12	1:B:102:MET:HG2	13	0.43
(1,1507)	1:B:98:LEU:HD13	1:B:102:MET:HG2	13	0.43
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	2	0.43
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	2	0.43
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	2	0.43
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	8	0.43
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	8	0.43
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	8	0.43
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	8	0.43
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	8	0.43
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	8	0.43
(1,1246)	1:B:87:LEU:HD11	1:B:104:ASN:H	1	0.43
(1,1246)	1:B:87:LEU:HD12	1:B:104:ASN:H	1	0.43
(1,1246)	1:B:87:LEU:HD13	1:B:104:ASN:H	1	0.43
(1,1246)	1:B:87:LEU:HD11	1:B:104:ASN:H	18	0.43
(1,1246)	1:B:87:LEU:HD12	1:B:104:ASN:H	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:B:87:LEU:HD13	1:B:104:ASN:H	18	0.43
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	8	0.43
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	8	0.43
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	8	0.43
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	13	0.43
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	13	0.43
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	13	0.43
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	14	0.42
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	14	0.42
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	14	0.42
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	14	0.42
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	14	0.42
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	14	0.42
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	14	0.42
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	14	0.42
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	14	0.42
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	16	0.42
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	16	0.42
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	16	0.42
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	16	0.42
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	8	0.42
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	8	0.42
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	8	0.42
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	8	0.42
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	8	0.42
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	8	0.42
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	8	0.42
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	8	0.42
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	8	0.42
(3,352)	1:B:33:VAL:HG11	1:B:34:GLU:H	14	0.42
(3,352)	1:B:33:VAL:HG12	1:B:34:GLU:H	14	0.42
(3,352)	1:B:33:VAL:HG13	1:B:34:GLU:H	14	0.42
(3,352)	1:B:33:VAL:HG11	1:B:33:VAL:H	14	0.42
(3,352)	1:B:33:VAL:HG12	1:B:33:VAL:H	14	0.42
(3,352)	1:B:33:VAL:HG13	1:B:33:VAL:H	14	0.42
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	19	0.42
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	19	0.42
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	19	0.42
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	19	0.42
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	19	0.42
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	19	0.42
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	19	0.42
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	19	0.42
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	19	0.42
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	19	0.42
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	19	0.42
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	19	0.42
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	19	0.42
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	19	0.42
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	19	0.42
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	19	0.42
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	19	0.42
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	2	0.42
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	2	0.42
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	2	0.42
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	2	0.42
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	2	0.42
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	2	0.42
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	2	0.42
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	2	0.42
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	2	0.42
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	2	0.42
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	2	0.42
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	2	0.42
(3,1770)	1:B:17:LEU:HD21	1:B:14:GLU:HB2	3	0.42
(3,1770)	1:B:17:LEU:HD22	1:B:14:GLU:HB2	3	0.42
(3,1770)	1:B:17:LEU:HD23	1:B:14:GLU:HB2	3	0.42
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG3	3	0.42
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG3	3	0.42
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG3	3	0.42
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG2	3	0.42
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG2	3	0.42
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG2	3	0.42
(3,1770)	1:B:17:LEU:HD21	1:B:33:VAL:HB	3	0.42
(3,1770)	1:B:17:LEU:HD22	1:B:33:VAL:HB	3	0.42
(3,1770)	1:B:17:LEU:HD23	1:B:33:VAL:HB	3	0.42
(3,164)	1:B:76:TRP:HE1	1:B:109:ARG:HG2	15	0.42
(3,164)	1:B:76:TRP:HE1	1:B:105:ILE:HG13	15	0.42
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	13	0.42
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	13	0.42
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	15	0.42
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	15	0.42
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1590)	1:B:39:HIS:HD2	1:B:40:LEU:HB2	16	0.42
(3,1590)	1:B:39:HIS:HD2	1:B:37:LEU:HB3	16	0.42
(3,1576)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	12	0.42
(3,1576)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	12	0.42
(3,1576)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	12	0.42
(3,1576)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	12	0.42
(3,1576)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	12	0.42
(3,1576)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	12	0.42
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	15	0.42
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	15	0.42
(3,1556)	1:B:42:THR:HA	1:B:41:ASN:HB3	12	0.42
(3,1556)	1:B:42:THR:HA	1:B:45:ARG:HD3	12	0.42
(3,1552)	1:B:43:VAL:HG21	1:B:42:THR:H	10	0.42
(3,1552)	1:B:43:VAL:HG22	1:B:42:THR:H	10	0.42
(3,1552)	1:B:43:VAL:HG23	1:B:42:THR:H	10	0.42
(3,1552)	1:B:43:VAL:HG21	1:B:50:ILE:H	10	0.42
(3,1552)	1:B:43:VAL:HG22	1:B:50:ILE:H	10	0.42
(3,1552)	1:B:43:VAL:HG23	1:B:50:ILE:H	10	0.42
(3,1477)	1:B:50:ILE:HG12	1:B:50:ILE:H	2	0.42
(3,1477)	1:B:50:ILE:HG12	1:B:51:ILE:H	2	0.42
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	1	0.42
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	1	0.42
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	1	0.42
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	7	0.42
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	7	0.42
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	7	0.42
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	7	0.42
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	7	0.42
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	7	0.42
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	7	0.42
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	7	0.42
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	7	0.42
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	10	0.42
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	10	0.42
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	10	0.42
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	10	0.42
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	10	0.42
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	10	0.42
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	10	0.42
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	10	0.42
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	10	0.42
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	5	0.42
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	5	0.42
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	5	0.42
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	5	0.42
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	5	0.42
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	5	0.42
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	5	0.42
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	5	0.42
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	5	0.42
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	5	0.42
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	5	0.42
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	5	0.42
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	5	0.42
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	5	0.42
(3,1192)	1:B:73:ILE:HG21	1:B:73:ILE:HG12	5	0.42
(3,1192)	1:B:73:ILE:HG22	1:B:73:ILE:HG12	5	0.42
(3,1192)	1:B:73:ILE:HG23	1:B:73:ILE:HG12	5	0.42
(3,1192)	1:B:73:ILE:HG21	1:B:117:LYS:HD2	5	0.42
(3,1192)	1:B:73:ILE:HG22	1:B:117:LYS:HD2	5	0.42
(3,1192)	1:B:73:ILE:HG23	1:B:117:LYS:HD2	5	0.42
(3,1171)	1:B:74:VAL:HG11	1:B:76:TRP:HE1	16	0.42
(3,1171)	1:B:74:VAL:HG12	1:B:76:TRP:HE1	16	0.42
(3,1171)	1:B:74:VAL:HG13	1:B:76:TRP:HE1	16	0.42
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD11	16	0.42
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD12	16	0.42
(3,1171)	1:B:74:VAL:HG11	1:B:121:LEU:HD13	16	0.42
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD11	16	0.42
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD12	16	0.42
(3,1171)	1:B:74:VAL:HG12	1:B:121:LEU:HD13	16	0.42
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD11	16	0.42
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD12	16	0.42
(3,1171)	1:B:74:VAL:HG13	1:B:121:LEU:HD13	16	0.42
(3,1063)	1:B:85:GLN:HG2	1:B:86:ARG:HG3	5	0.42
(3,1063)	1:B:85:GLN:HG2	1:B:82:LEU:HB3	5	0.42
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	11	0.42
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	11	0.42
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	11	0.42
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	11	0.42
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	11	0.42
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	11	0.42
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	11	0.42
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	11	0.42
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	11	0.42
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	11	0.42
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	11	0.42
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	2	0.42
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	20	0.42
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	20	0.42
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	20	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	20	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	20	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	20	0.42
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	20	0.42
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	20	0.42
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	20	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	20	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	20	0.42
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	20	0.42
(1,980)	1:B:33:VAL:HG11	1:B:51:ILE:HG13	9	0.42
(1,980)	1:B:33:VAL:HG12	1:B:51:ILE:HG13	9	0.42
(1,980)	1:B:33:VAL:HG13	1:B:51:ILE:HG13	9	0.42
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	19	0.42
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	19	0.42
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	19	0.42
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	6	0.42
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	6	0.42
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	6	0.42
(1,966)	1:B:131:TYR:HD1	1:B:130:LEU:H	1	0.42
(1,966)	1:B:131:TYR:HD2	1:B:130:LEU:H	1	0.42
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	7	0.42
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	7	0.42
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD11	8	0.42
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD12	8	0.42
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD13	8	0.42
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD21	8	0.42
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD22	8	0.42
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD23	8	0.42
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	9	0.42
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	9	0.42
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	9	0.42
(1,897)	1:B:33:VAL:HG11	1:B:51:ILE:HA	6	0.42
(1,897)	1:B:33:VAL:HG12	1:B:51:ILE:HA	6	0.42
(1,897)	1:B:33:VAL:HG13	1:B:51:ILE:HA	6	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:B:138:LEU:H	1:B:138:LEU:HB2	8	0.42
(1,816)	1:B:138:LEU:H	1:B:138:LEU:HB3	8	0.42
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD21	9	0.42
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD22	9	0.42
(1,544)	1:B:85:GLN:HE22	1:B:82:LEU:HD23	9	0.42
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	4	0.42
(1,449)	1:B:68:ARG:H	1:B:67:GLN:HB3	8	0.42
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	19	0.42
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	7	0.42
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	7	0.42
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	7	0.42
(1,1947)	1:B:62:SER:HB3	1:B:65:ASP:HB3	18	0.42
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	19	0.42
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	19	0.42
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	19	0.42
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	11	0.42
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	11	0.42
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	11	0.42
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	14	0.42
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	14	0.42
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	14	0.42
(1,1585)	1:B:92:ARG:HA	1:B:97:VAL:HB	8	0.42
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	11	0.42
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	11	0.42
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	11	0.42
(1,1246)	1:B:87:LEU:HD11	1:B:104:ASN:H	4	0.42
(1,1246)	1:B:87:LEU:HD12	1:B:104:ASN:H	4	0.42
(1,1246)	1:B:87:LEU:HD13	1:B:104:ASN:H	4	0.42
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	15	0.42
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	15	0.42
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	15	0.42
(1,1163)	1:B:119:LEU:HD11	1:B:129:GLU:HG2	10	0.42
(1,1163)	1:B:119:LEU:HD12	1:B:129:GLU:HG2	10	0.42
(1,1163)	1:B:119:LEU:HD13	1:B:129:GLU:HG2	10	0.42
(1,1163)	1:B:119:LEU:HD11	1:B:129:GLU:HG3	10	0.42
(1,1163)	1:B:119:LEU:HD12	1:B:129:GLU:HG3	10	0.42
(1,1163)	1:B:119:LEU:HD13	1:B:129:GLU:HG3	10	0.42
(3,94)	1:B:49:GLN:H	1:B:33:VAL:HG21	6	0.41
(3,94)	1:B:49:GLN:H	1:B:33:VAL:HG22	6	0.41
(3,94)	1:B:49:GLN:H	1:B:33:VAL:HG23	6	0.41
(3,94)	1:B:49:GLN:H	1:B:63:VAL:HG21	6	0.41
(3,94)	1:B:49:GLN:H	1:B:63:VAL:HG22	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,94)	1:B:49:GLN:H	1:B:63:VAL:HG23	6	0.41
(3,94)	1:B:49:GLN:H	1:B:33:VAL:HG11	6	0.41
(3,94)	1:B:49:GLN:H	1:B:33:VAL:HG12	6	0.41
(3,94)	1:B:49:GLN:H	1:B:33:VAL:HG13	6	0.41
(3,94)	1:B:49:GLN:H	1:B:36:ILE:HG21	6	0.41
(3,94)	1:B:49:GLN:H	1:B:36:ILE:HG22	6	0.41
(3,94)	1:B:49:GLN:H	1:B:36:ILE:HG23	6	0.41
(3,94)	1:B:49:GLN:H	1:B:40:LEU:HD21	6	0.41
(3,94)	1:B:49:GLN:H	1:B:40:LEU:HD22	6	0.41
(3,94)	1:B:49:GLN:H	1:B:40:LEU:HD23	6	0.41
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	16	0.41
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	16	0.41
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	16	0.41
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	16	0.41
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	16	0.41
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	16	0.41
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	16	0.41
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	16	0.41
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	16	0.41
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	13	0.41
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	13	0.41
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	13	0.41
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	13	0.41
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	13	0.41
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	13	0.41
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	9	0.41
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	9	0.41
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	9	0.41
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	9	0.41
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	9	0.41
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	9	0.41
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	9	0.41
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	9	0.41
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	9	0.41
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	9	0.41
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	9	0.41
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	9	0.41
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	9	0.41
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	9	0.41
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	9	0.41
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	9	0.41
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	9	0.41
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	3	0.41
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	3	0.41
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	3	0.41
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	3	0.41
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	3	0.41
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	3	0.41
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	3	0.41
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	3	0.41
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	3	0.41
(3,582)	1:B:75:LEU:HG	1:B:75:LEU:H	20	0.41
(3,582)	1:B:5:ARG:HG3	1:B:6:ALA:H	20	0.41
(3,447)	1:B:134:ARG:HB2	1:B:135:GLN:HG2	8	0.41
(3,447)	1:B:134:ARG:HB2	1:B:135:GLN:HG3	8	0.41
(3,447)	1:B:134:ARG:HB3	1:B:135:GLN:HG2	8	0.41
(3,447)	1:B:134:ARG:HB3	1:B:135:GLN:HG3	8	0.41
(3,447)	1:B:127:ARG:HB3	1:B:129:GLU:HG2	8	0.41
(3,447)	1:B:127:ARG:HB3	1:B:129:GLU:HG3	8	0.41
(3,447)	1:B:127:ARG:HB2	1:B:129:GLU:HG3	8	0.41
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	3	0.41
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	3	0.41
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	3	0.41
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	3	0.41
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	7	0.41
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	7	0.41
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	7	0.41
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	7	0.41
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	20	0.41
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	20	0.41
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	20	0.41
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	20	0.41
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	20	0.41
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	20	0.41
(3,356)	1:B:82:LEU:HD21	1:B:85:GLN:HE22	10	0.41
(3,356)	1:B:82:LEU:HD22	1:B:85:GLN:HE22	10	0.41
(3,356)	1:B:82:LEU:HD23	1:B:85:GLN:HE22	10	0.41
(3,356)	1:B:130:LEU:HD21	1:B:88:PHE:HE1	10	0.41
(3,356)	1:B:130:LEU:HD21	1:B:88:PHE:HE2	10	0.41
(3,356)	1:B:130:LEU:HD22	1:B:88:PHE:HE1	10	0.41
(3,356)	1:B:130:LEU:HD22	1:B:88:PHE:HE2	10	0.41
(3,356)	1:B:130:LEU:HD23	1:B:88:PHE:HE1	10	0.41
(3,356)	1:B:130:LEU:HD23	1:B:88:PHE:HE2	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,338)	1:B:3:SER:HB3	1:B:4:ARG:HG2	4	0.41
(3,338)	1:B:3:SER:HB3	1:B:4:ARG:HG3	4	0.41
(3,338)	1:B:3:SER:HB3	1:B:45:ARG:HB3	4	0.41
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	18	0.41
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	18	0.41
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	18	0.41
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	18	0.41
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	18	0.41
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	18	0.41
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	20	0.41
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	20	0.41
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	20	0.41
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	20	0.41
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	20	0.41
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	20	0.41
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	20	0.41
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	20	0.41
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	20	0.41
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	20	0.41
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	20	0.41
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	20	0.41
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	20	0.41
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	20	0.41
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	20	0.41
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	20	0.41
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	20	0.41
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	20	0.41
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	6	0.41
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	6	0.41
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	16	0.41
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	16	0.41
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	11	0.41
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	11	0.41
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	11	0.41
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	11	0.41
(3,1383)	1:B:54:LEU:HD21	1:B:17:LEU:HG	6	0.41
(3,1383)	1:B:54:LEU:HD22	1:B:17:LEU:HG	6	0.41
(3,1383)	1:B:54:LEU:HD23	1:B:17:LEU:HG	6	0.41
(3,1383)	1:B:54:LEU:HD21	1:B:59:LEU:HG	6	0.41
(3,1383)	1:B:54:LEU:HD22	1:B:59:LEU:HG	6	0.41
(3,1383)	1:B:54:LEU:HD23	1:B:59:LEU:HG	6	0.41
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	13	0.41
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	13	0.41
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	13	0.41
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	13	0.41
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	13	0.41
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	13	0.41
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	13	0.41
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	13	0.41
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	13	0.41
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	13	0.41
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	13	0.41
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	13	0.41
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	13	0.41
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	13	0.41
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	11	0.41
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	11	0.41
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	11	0.41
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	5	0.41
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	5	0.41
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	5	0.41
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	5	0.41
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	5	0.41
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	5	0.41
(3,1134)	1:B:52:HIS:HB3	1:B:48:LYS:HG3	5	0.41
(3,1134)	1:B:72:HIS:HB3	1:B:121:LEU:HG	5	0.41
(3,1134)	1:B:72:HIS:HB3	1:B:117:LYS:HB3	5	0.41
(3,1134)	1:B:52:HIS:HB3	1:B:51:ILE:HG12	5	0.41
(3,1134)	1:B:72:HIS:HB3	1:B:119:LEU:HB3	5	0.41
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG11	2	0.41
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG12	2	0.41
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG13	2	0.41
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG21	2	0.41
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG22	2	0.41
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG23	2	0.41
(3,1128)	1:B:72:HIS:HB2	1:B:74:VAL:HG11	2	0.41
(3,1128)	1:B:72:HIS:HB2	1:B:74:VAL:HG12	2	0.41
(3,1128)	1:B:72:HIS:HB2	1:B:74:VAL:HG13	2	0.41
(3,1110)	1:B:82:LEU:HD11	1:B:87:LEU:H	18	0.41
(3,1110)	1:B:82:LEU:HD12	1:B:87:LEU:H	18	0.41
(3,1110)	1:B:82:LEU:HD13	1:B:87:LEU:H	18	0.41
(3,1110)	1:B:82:LEU:HD11	1:B:81:GLU:H	18	0.41
(3,1110)	1:B:82:LEU:HD12	1:B:81:GLU:H	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1110)	1:B:82:LEU:HD13	1:B:81:GLU:H	18	0.41
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	8	0.41
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	8	0.41
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	8	0.41
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	8	0.41
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	8	0.41
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	8	0.41
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	8	0.41
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	8	0.41
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	8	0.41
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	8	0.41
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	8	0.41
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	8	0.41
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	8	0.41
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	8	0.41
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	8	0.41
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	8	0.41
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	8	0.41
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	8	0.41
(3,1063)	1:B:85:GLN:HG2	1:B:86:ARG:HG3	20	0.41
(3,1063)	1:B:85:GLN:HG2	1:B:82:LEU:HB3	20	0.41
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	4	0.41
(2,57)	1:B:6:ALA:HB1	1:B:49:GLN:HG2	7	0.41
(2,57)	1:B:6:ALA:HB2	1:B:49:GLN:HG2	7	0.41
(2,57)	1:B:6:ALA:HB3	1:B:49:GLN:HG2	7	0.41
(2,14)	1:B:141:SER:H	1:B:139:ALA:HA	14	0.41
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	15	0.41
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	15	0.41
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	15	0.41
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	15	0.41
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	15	0.41
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	15	0.41
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	15	0.41
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	15	0.41
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	15	0.41
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	15	0.41
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	15	0.41
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	15	0.41
(1,980)	1:B:33:VAL:HG11	1:B:51:ILE:HG13	15	0.41
(1,980)	1:B:33:VAL:HG12	1:B:51:ILE:HG13	15	0.41
(1,980)	1:B:33:VAL:HG13	1:B:51:ILE:HG13	15	0.41
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	1	0.41
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	1	0.41
(1,966)	1:B:131:TYR:HD1	1:B:130:LEU:H	6	0.41
(1,966)	1:B:131:TYR:HD2	1:B:130:LEU:H	6	0.41
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	5	0.41
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	5	0.41
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	2	0.41
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	11	0.41
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	1	0.41
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	1	0.41
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	1	0.41
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	20	0.41
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	20	0.41
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	20	0.41
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD11	11	0.41
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD12	11	0.41
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD13	11	0.41
(1,2354)	1:B:39:HIS:HD2	1:B:36:ILE:HB	14	0.41
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG3	20	0.41
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG3	20	0.41
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG3	20	0.41
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG2	20	0.41
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG2	20	0.41
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG2	20	0.41
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HB3	20	0.41
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HB3	20	0.41
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HB3	20	0.41
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	10	0.41
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	10	0.41
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	10	0.41
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	4	0.41
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	4	0.41
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	4	0.41
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	4	0.41
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	4	0.41
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	4	0.41
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	19	0.41
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	19	0.41
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	19	0.41
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	9	0.41
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	9	0.41
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	9	0.41
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	9	0.41
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	9	0.41
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	9	0.41
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	9	0.41
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	9	0.41
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG2	18	0.41
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG2	18	0.41
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG2	18	0.41
(1,1930)	1:B:63:VAL:HG21	1:B:67:GLN:HG3	18	0.41
(1,1930)	1:B:63:VAL:HG22	1:B:67:GLN:HG3	18	0.41
(1,1930)	1:B:63:VAL:HG23	1:B:67:GLN:HG3	18	0.41
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD21	12	0.41
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD22	12	0.41
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD23	12	0.41
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD21	12	0.41
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD22	12	0.41
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD23	12	0.41
(1,1809)	1:B:74:VAL:HG11	1:B:113:ARG:HD2	7	0.41
(1,1809)	1:B:74:VAL:HG12	1:B:113:ARG:HD2	7	0.41
(1,1809)	1:B:74:VAL:HG13	1:B:113:ARG:HD2	7	0.41
(1,1809)	1:B:74:VAL:HG11	1:B:113:ARG:HD3	7	0.41
(1,1809)	1:B:74:VAL:HG12	1:B:113:ARG:HD3	7	0.41
(1,1809)	1:B:74:VAL:HG13	1:B:113:ARG:HD3	7	0.41
(1,1734)	1:B:85:GLN:HG3	1:B:88:PHE:HB3	3	0.41
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE1	17	0.41
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE2	17	0.41
(1,1499)	1:B:98:LEU:HB3	1:B:111:ARG:HD3	6	0.41
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	11	0.41
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	11	0.41
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	11	0.41
(1,1388)	1:B:106:THR:HG21	1:B:80:GLN:HG2	10	0.41
(1,1388)	1:B:106:THR:HG22	1:B:80:GLN:HG2	10	0.41
(1,1388)	1:B:106:THR:HG23	1:B:80:GLN:HG2	10	0.41
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	4	0.41
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	4	0.41
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	4	0.41
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	6	0.41
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	6	0.41
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	6	0.41
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	7	0.41
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	7	0.41
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	7	0.41
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	7	0.41
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	7	0.41
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	16	0.41
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	16	0.41
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	16	0.41
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	19	0.41
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	19	0.41
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	19	0.41
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD3	7	0.41
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD2	7	0.41
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG3	9	0.4
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG2	9	0.4
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG3	9	0.4
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG2	9	0.4
(3,797)	1:B:64:LYS:HG2	1:B:65:ASP:HB3	9	0.4
(3,797)	1:B:64:LYS:HG3	1:B:65:ASP:HB3	9	0.4
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	15	0.4
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	15	0.4
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	15	0.4
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	15	0.4
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	15	0.4
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	15	0.4
(3,722)	1:B:27:VAL:HG11	1:B:30:GLN:HE21	9	0.4
(3,722)	1:B:27:VAL:HG12	1:B:30:GLN:HE21	9	0.4
(3,722)	1:B:27:VAL:HG13	1:B:30:GLN:HE21	9	0.4
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE1	9	0.4
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE2	9	0.4
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE1	9	0.4
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE2	9	0.4
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE1	9	0.4
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE2	9	0.4
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG21	6	0.4
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG22	6	0.4
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG23	6	0.4
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD11	6	0.4
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD12	6	0.4
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD13	6	0.4
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	4	0.4
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	4	0.4
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	4	0.4
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	4	0.4
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	4	0.4
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	4	0.4
(3,589)	1:B:84:LEU:HD21	1:B:86:ARG:H	11	0.4
(3,589)	1:B:84:LEU:HD22	1:B:86:ARG:H	11	0.4
(3,589)	1:B:84:LEU:HD23	1:B:86:ARG:H	11	0.4
(3,589)	1:B:84:LEU:HD21	1:B:74:VAL:H	11	0.4
(3,589)	1:B:84:LEU:HD22	1:B:74:VAL:H	11	0.4
(3,589)	1:B:84:LEU:HD23	1:B:74:VAL:H	11	0.4
(3,589)	1:B:84:LEU:HD21	1:B:118:LEU:H	11	0.4
(3,589)	1:B:84:LEU:HD22	1:B:118:LEU:H	11	0.4
(3,589)	1:B:84:LEU:HD23	1:B:118:LEU:H	11	0.4
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB2	15	0.4
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB3	15	0.4
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB2	15	0.4
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB3	15	0.4
(3,479)	1:B:131:TYR:HB3	1:B:128:ARG:HB2	15	0.4
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG3	8	0.4
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG2	8	0.4
(3,439)	1:B:14:GLU:HB3	1:B:17:LEU:HG	8	0.4
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG3	13	0.4
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG2	13	0.4
(3,439)	1:B:14:GLU:HB3	1:B:17:LEU:HG	13	0.4
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD21	8	0.4
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD22	8	0.4
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD23	8	0.4
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD21	8	0.4
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD22	8	0.4
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD23	8	0.4
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD21	8	0.4
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD22	8	0.4
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD23	8	0.4
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG11	8	0.4
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG12	8	0.4
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG13	8	0.4
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD21	8	0.4
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD22	8	0.4
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD23	8	0.4
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG11	8	0.4
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG12	8	0.4
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG13	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	14	0.4
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	14	0.4
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	14	0.4
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	14	0.4
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	8	0.4
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	8	0.4
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	8	0.4
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	8	0.4
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	8	0.4
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	8	0.4
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	15	0.4
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	15	0.4
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	15	0.4
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	15	0.4
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	20	0.4
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	20	0.4
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	20	0.4
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	20	0.4
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	7	0.4
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	7	0.4
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	7	0.4
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	7	0.4
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG3	2	0.4
(3,1683)	1:B:86:ARG:HB3	1:B:90:GLU:HB3	2	0.4
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG2	2	0.4
(3,1683)	1:B:86:ARG:HB2	1:B:90:GLU:HB3	2	0.4
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	2	0.4
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	2	0.4
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	2	0.4
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	2	0.4
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	2	0.4
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	2	0.4
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	2	0.4
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	2	0.4
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	2	0.4
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	10	0.4
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	10	0.4
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	10	0.4
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	10	0.4
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	10	0.4
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	10	0.4
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	10	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	10	0.4
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	10	0.4
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	10	0.4
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	10	0.4
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	10	0.4
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	10	0.4
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	10	0.4
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	10	0.4
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	10	0.4
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	10	0.4
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	10	0.4
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	17	0.4
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	17	0.4
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	19	0.4
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	19	0.4
(3,1561)	1:B:131:TYR:HB2	1:B:133:LYS:HG2	15	0.4
(3,1561)	1:B:131:TYR:HB2	1:B:133:LYS:HG3	15	0.4
(3,1561)	1:B:131:TYR:HB2	1:B:132:LYS:HG2	15	0.4
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	19	0.4
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	19	0.4
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	19	0.4
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	19	0.4
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	19	0.4
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	19	0.4
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	16	0.4
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	16	0.4
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	16	0.4
(3,1288)	1:B:31:ASP:HB2	1:B:37:LEU:HG	15	0.4
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD3	15	0.4
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD2	15	0.4
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD3	15	0.4
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD2	15	0.4
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	19	0.4
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	19	0.4
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	19	0.4
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	19	0.4
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	19	0.4
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	19	0.4
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	19	0.4
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	19	0.4
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	19	0.4
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	19	0.4
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	19	0.4
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	19	0.4
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	19	0.4
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	19	0.4
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	17	0.4
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	17	0.4
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	17	0.4
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	14	0.4
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	14	0.4
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	14	0.4
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	14	0.4
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	14	0.4
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	14	0.4
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	15	0.4
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	15	0.4
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	15	0.4
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	15	0.4
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	15	0.4
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	15	0.4
(3,1110)	1:B:82:LEU:HD11	1:B:87:LEU:H	14	0.4
(3,1110)	1:B:82:LEU:HD12	1:B:87:LEU:H	14	0.4
(3,1110)	1:B:82:LEU:HD13	1:B:87:LEU:H	14	0.4
(3,1110)	1:B:82:LEU:HD11	1:B:81:GLU:H	14	0.4
(3,1110)	1:B:82:LEU:HD12	1:B:81:GLU:H	14	0.4
(3,1110)	1:B:82:LEU:HD13	1:B:81:GLU:H	14	0.4
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	19	0.4
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	19	0.4
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	19	0.4
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	19	0.4
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	19	0.4
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	19	0.4
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	19	0.4
(3,1063)	1:B:85:GLN:HG2	1:B:86:ARG:HG3	7	0.4
(3,1063)	1:B:85:GLN:HG2	1:B:82:LEU:HB3	7	0.4
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	12	0.4
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	12	0.4
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	12	0.4
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	12	0.4
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	12	0.4
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	12	0.4
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	12	0.4
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	12	0.4
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	12	0.4
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	12	0.4
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	12	0.4
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	12	0.4
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	12	0.4
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	9	0.4
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	9	0.4
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	9	0.4
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	7	0.4
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	7	0.4
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	7	0.4
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	7	0.4
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	7	0.4
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	7	0.4
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	7	0.4
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	7	0.4
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	7	0.4
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	7	0.4
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	7	0.4
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	7	0.4
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	17	0.4
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	17	0.4
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	17	0.4
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	3	0.4
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	3	0.4
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	3	0.4
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	5	0.4
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	5	0.4
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	5	0.4
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	17	0.4
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	17	0.4
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	17	0.4
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD11	16	0.4
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD12	16	0.4
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD13	16	0.4
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD21	16	0.4
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD22	16	0.4
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD23	16	0.4
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	6	0.4
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	6	0.4
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	6	0.4
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	6	0.4
(1,742)	1:B:121:LEU:H	1:B:121:LEU:HD21	4	0.4
(1,742)	1:B:121:LEU:H	1:B:121:LEU:HD22	4	0.4
(1,742)	1:B:121:LEU:H	1:B:121:LEU:HD23	4	0.4
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	10	0.4
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	14	0.4
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	9	0.4
(1,2751)	1:B:108:LYS:HG2	1:B:108:LYS:H	11	0.4
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	4	0.4
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	13	0.4
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	9	0.4
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	9	0.4
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	9	0.4
(1,1993)	1:B:59:LEU:HB2	1:B:57:MET:HB3	1	0.4
(1,1947)	1:B:62:SER:HB3	1:B:65:ASP:HB3	12	0.4
(1,1900)	1:B:65:ASP:HB3	1:B:64:LYS:HB3	10	0.4
(1,1900)	1:B:65:ASP:HB3	1:B:64:LYS:HD2	10	0.4
(1,1900)	1:B:65:ASP:HB3	1:B:64:LYS:HD3	10	0.4
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG11	3	0.4
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG12	3	0.4
(1,1874)	1:B:70:GLY:HA3	1:B:63:VAL:HG13	3	0.4
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG11	3	0.4
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG12	3	0.4
(1,1874)	1:B:70:GLY:HA2	1:B:63:VAL:HG13	3	0.4
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	7	0.4
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	7	0.4
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	7	0.4
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	9	0.4
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	9	0.4
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	9	0.4
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	17	0.4
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	17	0.4
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	17	0.4
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	14	0.4
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	14	0.4
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	14	0.4
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD21	2	0.4
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD22	2	0.4
(1,1803)	1:B:40:LEU:HA	1:B:20:LEU:HD23	2	0.4
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB1	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB2	9	0.4
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB3	9	0.4
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	1	0.4
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	1	0.4
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	1	0.4
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD11	6	0.4
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD12	6	0.4
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD13	6	0.4
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD21	6	0.4
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD22	6	0.4
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD23	6	0.4
(1,1566)	1:B:92:ARG:HG2	1:B:93:ASP:HB3	15	0.4
(1,1482)	1:B:100:HIS:HD2	1:B:97:VAL:HA	13	0.4
(1,1246)	1:B:87:LEU:HD11	1:B:104:ASN:H	17	0.4
(1,1246)	1:B:87:LEU:HD12	1:B:104:ASN:H	17	0.4
(1,1246)	1:B:87:LEU:HD13	1:B:104:ASN:H	17	0.4
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	14	0.4
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	14	0.4
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	14	0.4
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	11	0.4
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	11	0.4
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	11	0.4
(3,978)	1:B:66:PHE:HE1	1:B:55:VAL:HG11	3	0.39
(3,978)	1:B:66:PHE:HE1	1:B:55:VAL:HG12	3	0.39
(3,978)	1:B:66:PHE:HE1	1:B:55:VAL:HG13	3	0.39
(3,978)	1:B:66:PHE:HE2	1:B:55:VAL:HG11	3	0.39
(3,978)	1:B:66:PHE:HE2	1:B:55:VAL:HG12	3	0.39
(3,978)	1:B:66:PHE:HE2	1:B:55:VAL:HG13	3	0.39
(3,978)	1:B:66:PHE:HE1	1:B:54:LEU:HB2	3	0.39
(3,978)	1:B:66:PHE:HE2	1:B:54:LEU:HB2	3	0.39
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	19	0.39
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	19	0.39
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	19	0.39
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	19	0.39
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	19	0.39
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	19	0.39
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	19	0.39
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	19	0.39
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	19	0.39
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	19	0.39
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	19	0.39
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	18	0.39
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	18	0.39
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	18	0.39
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	18	0.39
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	18	0.39
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	18	0.39
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	18	0.39
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	9	0.39
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	9	0.39
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	9	0.39
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	9	0.39
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	9	0.39
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	9	0.39
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	13	0.39
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	13	0.39
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	13	0.39
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	13	0.39
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	13	0.39
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	13	0.39
(3,470)	1:B:64:LYS:HE3	1:B:70:GLY:H	16	0.39
(3,470)	1:B:64:LYS:HE2	1:B:70:GLY:H	16	0.39
(3,470)	1:B:25:LYS:HE3	1:B:26:ASP:H	16	0.39
(3,418)	1:B:133:LYS:HB2	1:B:131:TYR:HB3	9	0.39
(3,418)	1:B:133:LYS:HB3	1:B:131:TYR:HB3	9	0.39
(3,418)	1:B:133:LYS:HB3	1:B:134:ARG:HD3	9	0.39
(3,418)	1:B:133:LYS:HB3	1:B:134:ARG:HD2	9	0.39
(3,418)	1:B:133:LYS:HB2	1:B:134:ARG:HD3	9	0.39
(3,418)	1:B:132:LYS:HB2	1:B:131:TYR:HB3	9	0.39
(3,418)	1:B:132:LYS:HB3	1:B:131:TYR:HB3	9	0.39
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	4	0.39
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	4	0.39
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	4	0.39
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	4	0.39
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	5	0.39
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	5	0.39
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	5	0.39
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	5	0.39
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	11	0.39
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	11	0.39
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	11	0.39
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	11	0.39
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	12	0.39
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	12	0.39
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	12	0.39
(3,367)	1:B:98:LEU:HD11	1:B:98:LEU:HA	12	0.39
(3,367)	1:B:98:LEU:HD12	1:B:98:LEU:HA	12	0.39
(3,367)	1:B:98:LEU:HD13	1:B:98:LEU:HA	12	0.39
(3,367)	1:B:98:LEU:HD11	1:B:111:ARG:HA	12	0.39
(3,367)	1:B:98:LEU:HD12	1:B:111:ARG:HA	12	0.39
(3,367)	1:B:98:LEU:HD13	1:B:111:ARG:HA	12	0.39
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	16	0.39
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	16	0.39
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	16	0.39
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	16	0.39
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	16	0.39
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	16	0.39
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD3	20	0.39
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD2	20	0.39
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD2	20	0.39
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD3	20	0.39
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	6	0.39
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	6	0.39
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	6	0.39
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	6	0.39
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	6	0.39
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	6	0.39
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	6	0.39
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	6	0.39
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	6	0.39
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	6	0.39
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	6	0.39
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	6	0.39
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	6	0.39
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	6	0.39
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	6	0.39
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	6	0.39
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	6	0.39
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	6	0.39
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	20	0.39
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	20	0.39
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	20	0.39
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	20	0.39
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	20	0.39
(3,1864)	1:B:6:ALA:HB1	1:B:45:ARG:HD3	1	0.39
(3,1864)	1:B:6:ALA:HB2	1:B:45:ARG:HD3	1	0.39
(3,1864)	1:B:6:ALA:HB3	1:B:45:ARG:HD3	1	0.39
(3,1864)	1:B:6:ALA:HB1	1:B:9:TRP:HB3	1	0.39
(3,1864)	1:B:6:ALA:HB2	1:B:9:TRP:HB3	1	0.39
(3,1864)	1:B:6:ALA:HB3	1:B:9:TRP:HB3	1	0.39
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	8	0.39
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	8	0.39
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	8	0.39
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	8	0.39
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	8	0.39
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	8	0.39
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	14	0.39
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	14	0.39
(3,1569)	1:B:40:LEU:HB2	1:B:37:LEU:HA	17	0.39
(3,1569)	1:B:40:LEU:HB2	1:B:17:LEU:HA	17	0.39
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	20	0.39
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	20	0.39
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	12	0.39
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	12	0.39
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	12	0.39
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	6	0.39
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	6	0.39
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	6	0.39
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	6	0.39
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	6	0.39
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	6	0.39
(3,1361)	1:B:55:VAL:HG11	1:B:52:HIS:HB2	19	0.39
(3,1361)	1:B:55:VAL:HG12	1:B:52:HIS:HB2	19	0.39
(3,1361)	1:B:55:VAL:HG13	1:B:52:HIS:HB2	19	0.39
(3,1361)	1:B:74:VAL:HG11	1:B:127:ARG:HD3	19	0.39
(3,1361)	1:B:74:VAL:HG12	1:B:127:ARG:HD3	19	0.39
(3,1361)	1:B:74:VAL:HG13	1:B:127:ARG:HD3	19	0.39
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	14	0.39
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	14	0.39
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	14	0.39
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	14	0.39
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	14	0.39
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	14	0.39
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	14	0.39
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	14	0.39
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	14	0.39
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	14	0.39
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	14	0.39
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	14	0.39
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	14	0.39
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	14	0.39
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	17	0.39
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	17	0.39
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	17	0.39
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	17	0.39
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	17	0.39
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	17	0.39
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	17	0.39
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	17	0.39
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	17	0.39
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	19	0.39
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	19	0.39
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	19	0.39
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	2	0.39
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	2	0.39
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	2	0.39
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	2	0.39
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	2	0.39
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	2	0.39
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	2	0.39
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	2	0.39
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	2	0.39
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	2	0.39
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	2	0.39
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	2	0.39
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	2	0.39
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	2	0.39
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	2	0.39
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	2	0.39
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	2	0.39
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	2	0.39
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	2	0.39
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	2	0.39
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	2	0.39
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	7	0.39
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	7	0.39
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	11	0.39
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	11	0.39
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB2	14	0.39
(1,947)	1:B:131:TYR:HB2	1:B:133:LYS:HB3	14	0.39
(1,883)	1:B:40:LEU:HD11	1:B:43:VAL:H	10	0.39
(1,883)	1:B:40:LEU:HD12	1:B:43:VAL:H	10	0.39
(1,883)	1:B:40:LEU:HD13	1:B:43:VAL:H	10	0.39
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	8	0.39
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	8	0.39
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	8	0.39
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	8	0.39
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	8	0.39
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	8	0.39
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	8	0.39
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	8	0.39
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	8	0.39
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	8	0.39
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	8	0.39
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	8	0.39
(1,846)	1:B:82:LEU:HB3	1:B:85:GLN:HE22	15	0.39
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	3	0.39
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	12	0.39
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	3	0.39
(1,2751)	1:B:108:LYS:HG2	1:B:108:LYS:H	2	0.39
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	12	0.39
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	12	0.39
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	12	0.39
(1,2463)	1:B:34:GLU:HG3	1:B:31:ASP:HB2	12	0.39
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	4	0.39
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	13	0.39
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG3	6	0.39
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG3	6	0.39
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG3	6	0.39
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG2	6	0.39
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG2	6	0.39
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG2	6	0.39
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HB3	6	0.39
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HB3	6	0.39
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HB3	6	0.39
(1,2229)	1:B:45:ARG:HD2	1:B:43:VAL:HB	10	0.39
(1,2157)	1:B:51:ILE:HD11	1:B:51:ILE:H	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:B:51:ILE:HD12	1:B:51:ILE:H	13	0.39
(1,2157)	1:B:51:ILE:HD13	1:B:51:ILE:H	13	0.39
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD11	9	0.39
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD12	9	0.39
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD13	9	0.39
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD11	9	0.39
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD12	9	0.39
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD13	9	0.39
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD11	9	0.39
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD12	9	0.39
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD13	9	0.39
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	17	0.39
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	17	0.39
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	17	0.39
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	17	0.39
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	17	0.39
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	17	0.39
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	17	0.39
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	17	0.39
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	17	0.39
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	8	0.39
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	8	0.39
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	8	0.39
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	6	0.39
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	6	0.39
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	6	0.39
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG11	10	0.39
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG12	10	0.39
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG13	10	0.39
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG21	10	0.39
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG22	10	0.39
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG23	10	0.39
(1,1691)	1:B:20:LEU:HD11	1:B:36:ILE:HG12	6	0.39
(1,1691)	1:B:20:LEU:HD12	1:B:36:ILE:HG12	6	0.39
(1,1691)	1:B:20:LEU:HD13	1:B:36:ILE:HG12	6	0.39
(1,1603)	1:B:66:PHE:HE1	1:B:65:ASP:HB3	16	0.39
(1,1603)	1:B:66:PHE:HE2	1:B:65:ASP:HB3	16	0.39
(1,1528)	1:B:97:VAL:HG21	1:B:88:PHE:HE1	10	0.39
(1,1528)	1:B:97:VAL:HG21	1:B:88:PHE:HE2	10	0.39
(1,1528)	1:B:97:VAL:HG22	1:B:88:PHE:HE1	10	0.39
(1,1528)	1:B:97:VAL:HG22	1:B:88:PHE:HE2	10	0.39
(1,1528)	1:B:97:VAL:HG23	1:B:88:PHE:HE1	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:B:97:VAL:HG23	1:B:88:PHE:HE2	10	0.39
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD11	4	0.39
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD12	4	0.39
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD13	4	0.39
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	16	0.39
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	16	0.39
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	16	0.39
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	14	0.39
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	14	0.39
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	14	0.39
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	11	0.39
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	11	0.39
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	11	0.39
(1,1178)	1:B:119:LEU:HG	1:B:126:GLU:H	18	0.39
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	15	0.39
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	15	0.39
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	15	0.39
(3,863)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	10	0.38
(3,863)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	10	0.38
(3,863)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	10	0.38
(3,863)	1:B:36:ILE:HD11	1:B:54:LEU:HG	10	0.38
(3,863)	1:B:36:ILE:HD12	1:B:54:LEU:HG	10	0.38
(3,863)	1:B:36:ILE:HD13	1:B:54:LEU:HG	10	0.38
(3,863)	1:B:105:ILE:HD11	1:B:109:ARG:HB2	10	0.38
(3,863)	1:B:105:ILE:HD12	1:B:109:ARG:HB2	10	0.38
(3,863)	1:B:105:ILE:HD13	1:B:109:ARG:HB2	10	0.38
(3,863)	1:B:101:ILE:HD11	1:B:111:ARG:HG2	10	0.38
(3,863)	1:B:101:ILE:HD12	1:B:111:ARG:HG2	10	0.38
(3,863)	1:B:101:ILE:HD13	1:B:111:ARG:HG2	10	0.38
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	20	0.38
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	20	0.38
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	20	0.38
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	20	0.38
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	20	0.38
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	20	0.38
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	20	0.38
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	20	0.38
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	20	0.38
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG21	13	0.38
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG22	13	0.38
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG23	13	0.38
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD11	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD12	13	0.38
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD13	13	0.38
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	17	0.38
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	17	0.38
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	17	0.38
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	17	0.38
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	17	0.38
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	17	0.38
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	17	0.38
(3,630)	1:B:37:LEU:HD21	1:B:47:ARG:HA	20	0.38
(3,630)	1:B:37:LEU:HD22	1:B:47:ARG:HA	20	0.38
(3,630)	1:B:37:LEU:HD23	1:B:47:ARG:HA	20	0.38
(3,630)	1:B:59:LEU:HD11	1:B:18:ARG:HA	20	0.38
(3,630)	1:B:59:LEU:HD12	1:B:18:ARG:HA	20	0.38
(3,630)	1:B:59:LEU:HD13	1:B:18:ARG:HA	20	0.38
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	15	0.38
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	15	0.38
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	15	0.38
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	15	0.38
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	15	0.38
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	15	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG21	7	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG22	7	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG23	7	0.38
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG21	7	0.38
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG22	7	0.38
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG23	7	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG21	7	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG22	7	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG23	7	0.38
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD11	7	0.38
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD12	7	0.38
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD13	7	0.38
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD11	7	0.38
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD12	7	0.38
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD13	7	0.38
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD11	7	0.38
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD12	7	0.38
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD13	7	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD11	7	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD12	7	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD13	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD11	7	0.38
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD12	7	0.38
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD13	7	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD11	7	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD12	7	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD13	7	0.38
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG21	7	0.38
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG22	7	0.38
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG23	7	0.38
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG21	7	0.38
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG22	7	0.38
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG23	7	0.38
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG21	7	0.38
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG22	7	0.38
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG23	7	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG21	8	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG22	8	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG23	8	0.38
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG21	8	0.38
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG22	8	0.38
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG23	8	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG21	8	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG22	8	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG23	8	0.38
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD11	8	0.38
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD12	8	0.38
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD13	8	0.38
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD11	8	0.38
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD12	8	0.38
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD13	8	0.38
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD11	8	0.38
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD12	8	0.38
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD13	8	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD11	8	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD12	8	0.38
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD13	8	0.38
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD11	8	0.38
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD12	8	0.38
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD13	8	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD11	8	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD12	8	0.38
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD13	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG21	8	0.38
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG22	8	0.38
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG23	8	0.38
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG21	8	0.38
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG22	8	0.38
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG23	8	0.38
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG21	8	0.38
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG22	8	0.38
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG23	8	0.38
(3,589)	1:B:84:LEU:HD21	1:B:86:ARG:H	6	0.38
(3,589)	1:B:84:LEU:HD22	1:B:86:ARG:H	6	0.38
(3,589)	1:B:84:LEU:HD23	1:B:86:ARG:H	6	0.38
(3,589)	1:B:84:LEU:HD21	1:B:74:VAL:H	6	0.38
(3,589)	1:B:84:LEU:HD22	1:B:74:VAL:H	6	0.38
(3,589)	1:B:84:LEU:HD23	1:B:74:VAL:H	6	0.38
(3,589)	1:B:84:LEU:HD21	1:B:118:LEU:H	6	0.38
(3,589)	1:B:84:LEU:HD22	1:B:118:LEU:H	6	0.38
(3,589)	1:B:84:LEU:HD23	1:B:118:LEU:H	6	0.38
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	7	0.38
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	7	0.38
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	7	0.38
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	7	0.38
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	7	0.38
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	7	0.38
(3,541)	1:B:124:VAL:HG21	1:B:126:GLU:HG3	12	0.38
(3,541)	1:B:124:VAL:HG22	1:B:126:GLU:HG3	12	0.38
(3,541)	1:B:124:VAL:HG23	1:B:126:GLU:HG3	12	0.38
(3,541)	1:B:124:VAL:HG21	1:B:129:GLU:HB3	12	0.38
(3,541)	1:B:124:VAL:HG22	1:B:129:GLU:HB3	12	0.38
(3,541)	1:B:124:VAL:HG23	1:B:129:GLU:HB3	12	0.38
(3,541)	1:B:124:VAL:HG21	1:B:115:VAL:HB	12	0.38
(3,541)	1:B:124:VAL:HG22	1:B:115:VAL:HB	12	0.38
(3,541)	1:B:124:VAL:HG23	1:B:115:VAL:HB	12	0.38
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	14	0.38
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	14	0.38
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	14	0.38
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	14	0.38
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	14	0.38
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	14	0.38
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	14	0.38
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	14	0.38
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	14	0.38
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	13	0.38
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	13	0.38
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	13	0.38
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	13	0.38
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	15	0.38
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	15	0.38
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	15	0.38
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD3	7	0.38
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD2	7	0.38
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD2	7	0.38
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD3	7	0.38
(3,232)	1:B:104:ASN:H	1:B:87:LEU:HB3	11	0.38
(3,232)	1:B:104:ASN:H	1:B:105:ILE:HG12	11	0.38
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD21	3	0.38
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD22	3	0.38
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD23	3	0.38
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD21	3	0.38
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD22	3	0.38
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD23	3	0.38
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	20	0.38
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	20	0.38
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	20	0.38
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	20	0.38
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	20	0.38
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	20	0.38
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	14	0.38
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	14	0.38
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	14	0.38
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	14	0.38
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	14	0.38
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	14	0.38
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	14	0.38
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	14	0.38
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	14	0.38
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	14	0.38
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	14	0.38
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	14	0.38
(3,172)	1:B:82:LEU:H	1:B:81:GLU:HG3	15	0.38
(3,172)	1:B:82:LEU:H	1:B:83:GLU:HG3	15	0.38
(3,1712)	1:B:97:VAL:HG21	1:B:88:PHE:HA	8	0.38
(3,1712)	1:B:97:VAL:HG22	1:B:88:PHE:HA	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1712)	1:B:97:VAL:HG23	1:B:88:PHE:HA	8	0.38
(3,1712)	1:B:97:VAL:HG21	1:B:98:LEU:HA	8	0.38
(3,1712)	1:B:97:VAL:HG22	1:B:98:LEU:HA	8	0.38
(3,1712)	1:B:97:VAL:HG23	1:B:98:LEU:HA	8	0.38
(3,1712)	1:B:22:LEU:HD21	1:B:21:TYR:HA	8	0.38
(3,1712)	1:B:22:LEU:HD22	1:B:21:TYR:HA	8	0.38
(3,1712)	1:B:22:LEU:HD23	1:B:21:TYR:HA	8	0.38
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	19	0.38
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	19	0.38
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	3	0.38
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	3	0.38
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	11	0.38
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	11	0.38
(3,1552)	1:B:43:VAL:HG21	1:B:42:THR:H	11	0.38
(3,1552)	1:B:43:VAL:HG22	1:B:42:THR:H	11	0.38
(3,1552)	1:B:43:VAL:HG23	1:B:42:THR:H	11	0.38
(3,1552)	1:B:43:VAL:HG21	1:B:50:ILE:H	11	0.38
(3,1552)	1:B:43:VAL:HG22	1:B:50:ILE:H	11	0.38
(3,1552)	1:B:43:VAL:HG23	1:B:50:ILE:H	11	0.38
(3,1528)	1:B:46:THR:HB	1:B:45:ARG:HG2	14	0.38
(3,1528)	1:B:46:THR:HB	1:B:48:LYS:HG3	14	0.38
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	9	0.38
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	9	0.38
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	9	0.38
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	9	0.38
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	9	0.38
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	9	0.38
(3,1321)	1:B:37:LEU:HD21	1:B:34:GLU:H	13	0.38
(3,1321)	1:B:37:LEU:HD22	1:B:34:GLU:H	13	0.38
(3,1321)	1:B:37:LEU:HD23	1:B:34:GLU:H	13	0.38
(3,1321)	1:B:37:LEU:HD21	1:B:33:VAL:H	13	0.38
(3,1321)	1:B:37:LEU:HD22	1:B:33:VAL:H	13	0.38
(3,1321)	1:B:37:LEU:HD23	1:B:33:VAL:H	13	0.38
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	8	0.38
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	8	0.38
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	8	0.38
(3,1262)	1:B:65:ASP:HB3	1:B:63:VAL:HA	16	0.38
(3,1262)	1:B:65:ASP:HB3	1:B:55:VAL:HA	16	0.38
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	20	0.38
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	20	0.38
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	20	0.38
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	6	0.38
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	18	0.38
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	18	0.38
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	4	0.38
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	4	0.38
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	12	0.38
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	12	0.38
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	8	0.38
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	8	0.38
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	8	0.38
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	11	0.38
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	11	0.38
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	11	0.38
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	14	0.38
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	14	0.38
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	14	0.38
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	13	0.38
(1,54)	1:B:13:GLU:H	1:B:12:GLU:HB3	11	0.38
(1,449)	1:B:68:ARG:H	1:B:67:GLN:HB3	15	0.38
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	7	0.38
(1,2557)	1:B:17:LEU:HD21	1:B:53:HIS:HB3	10	0.38
(1,2557)	1:B:17:LEU:HD22	1:B:53:HIS:HB3	10	0.38
(1,2557)	1:B:17:LEU:HD23	1:B:53:HIS:HB3	10	0.38
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	12	0.38
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	14	0.38
(1,2296)	1:B:43:VAL:HG21	1:B:44:PRO:HD2	15	0.38
(1,2296)	1:B:43:VAL:HG22	1:B:44:PRO:HD2	15	0.38
(1,2296)	1:B:43:VAL:HG23	1:B:44:PRO:HD2	15	0.38
(1,2248)	1:B:45:ARG:HD3	1:B:9:TRP:HH2	9	0.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	18	0.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	18	0.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	18	0.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	18	0.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	18	0.38
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	18	0.38
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	18	0.38
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	18	0.38
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	18	0.38
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	9	0.38
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	9	0.38
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	9	0.38
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	3	0.38
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	3	0.38
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	5	0.38
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	5	0.38
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	5	0.38
(1,1860)	1:B:72:HIS:HE1	1:B:117:LYS:HD2	14	0.38
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	10	0.38
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	10	0.38
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	10	0.38
(1,1813)	1:B:27:VAL:HG21	1:B:28:GLU:H	17	0.38
(1,1813)	1:B:27:VAL:HG22	1:B:28:GLU:H	17	0.38
(1,1813)	1:B:27:VAL:HG23	1:B:28:GLU:H	17	0.38
(1,1787)	1:B:76:TRP:HZ2	1:B:84:LEU:HB3	20	0.38
(1,1592)	1:B:92:ARG:HD3	1:B:88:PHE:HE1	8	0.38
(1,1592)	1:B:92:ARG:HD3	1:B:88:PHE:HE2	8	0.38
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG21	2	0.38
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG22	2	0.38
(1,1564)	1:B:92:ARG:HG2	1:B:97:VAL:HG23	2	0.38
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	3	0.38
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	3	0.38
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	3	0.38
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	3	0.38
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	3	0.38
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	3	0.38
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	3	0.38
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	3	0.38
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	3	0.38
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	3	0.38
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	3	0.38
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	3	0.38
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE2	13	0.38
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE2	13	0.38
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE2	13	0.38
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE3	13	0.38
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE3	13	0.38
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE3	13	0.38
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	11	0.38
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	11	0.38
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	11	0.38
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD2	4	0.37
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD3	4	0.37
(3,988)	1:B:45:ARG:HB2	1:B:52:HIS:HB2	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,988)	1:B:45:ARG:HB3	1:B:52:HIS:HB2	4	0.37
(3,988)	1:B:45:ARG:HB3	1:B:47:ARG:HD3	4	0.37
(3,923)	1:B:97:VAL:HB	1:B:92:ARG:HA	8	0.37
(3,923)	1:B:44:PRO:HB3	1:B:44:PRO:HD2	8	0.37
(3,897)	1:B:98:LEU:HD21	1:B:101:ILE:HB	18	0.37
(3,897)	1:B:98:LEU:HD22	1:B:101:ILE:HB	18	0.37
(3,897)	1:B:98:LEU:HD23	1:B:101:ILE:HB	18	0.37
(3,897)	1:B:98:LEU:HD21	1:B:118:LEU:HB2	18	0.37
(3,897)	1:B:98:LEU:HD22	1:B:118:LEU:HB2	18	0.37
(3,897)	1:B:98:LEU:HD23	1:B:118:LEU:HB2	18	0.37
(3,865)	1:B:101:ILE:HD11	1:B:102:MET:HG3	4	0.37
(3,865)	1:B:101:ILE:HD12	1:B:102:MET:HG3	4	0.37
(3,865)	1:B:101:ILE:HD13	1:B:102:MET:HG3	4	0.37
(3,865)	1:B:105:ILE:HD11	1:B:102:MET:HG3	4	0.37
(3,865)	1:B:105:ILE:HD12	1:B:102:MET:HG3	4	0.37
(3,865)	1:B:105:ILE:HD13	1:B:102:MET:HG3	4	0.37
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	1	0.37
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	1	0.37
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	1	0.37
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	1	0.37
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	1	0.37
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	1	0.37
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	1	0.37
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	1	0.37
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	1	0.37
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	1	0.37
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	1	0.37
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	1	0.37
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	1	0.37
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	1	0.37
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	1	0.37
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	1	0.37
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	1	0.37
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	1	0.37
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD11	1	0.37
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD12	1	0.37
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD13	1	0.37
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD11	1	0.37
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD12	1	0.37
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD13	1	0.37
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD11	6	0.37
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD12	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD13	6	0.37
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD11	6	0.37
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD12	6	0.37
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD13	6	0.37
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	9	0.37
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	9	0.37
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	9	0.37
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	9	0.37
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	9	0.37
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	9	0.37
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	9	0.37
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	9	0.37
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	9	0.37
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	2	0.37
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	2	0.37
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	2	0.37
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	2	0.37
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	2	0.37
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	2	0.37
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	8	0.37
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	8	0.37
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	8	0.37
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	8	0.37
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	8	0.37
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	8	0.37
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	18	0.37
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	18	0.37
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	18	0.37
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	18	0.37
(3,1659)	1:B:33:VAL:HB	1:B:33:VAL:H	11	0.37
(3,1659)	1:B:33:VAL:HB	1:B:34:GLU:H	11	0.37
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG21	6	0.37
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG22	6	0.37
(3,1594)	1:B:38:ALA:HB1	1:B:50:ILE:HG23	6	0.37
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG21	6	0.37
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG22	6	0.37
(3,1594)	1:B:38:ALA:HB2	1:B:50:ILE:HG23	6	0.37
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG21	6	0.37
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG22	6	0.37
(3,1594)	1:B:38:ALA:HB3	1:B:50:ILE:HG23	6	0.37
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG21	6	0.37
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG22	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1594)	1:B:38:ALA:HB1	1:B:36:ILE:HG23	6	0.37
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG21	6	0.37
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG22	6	0.37
(3,1594)	1:B:38:ALA:HB2	1:B:36:ILE:HG23	6	0.37
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG21	6	0.37
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG22	6	0.37
(3,1594)	1:B:38:ALA:HB3	1:B:36:ILE:HG23	6	0.37
(3,1565)	1:B:40:LEU:HB2	1:B:41:ASN:HB3	5	0.37
(3,1565)	1:B:40:LEU:HB2	1:B:45:ARG:HD3	5	0.37
(3,1565)	1:B:22:LEU:HB2	1:B:26:ASP:HB2	5	0.37
(3,1565)	1:B:40:LEU:HB2	1:B:53:HIS:HB3	5	0.37
(3,1321)	1:B:37:LEU:HD21	1:B:34:GLU:H	17	0.37
(3,1321)	1:B:37:LEU:HD22	1:B:34:GLU:H	17	0.37
(3,1321)	1:B:37:LEU:HD23	1:B:34:GLU:H	17	0.37
(3,1321)	1:B:37:LEU:HD21	1:B:33:VAL:H	17	0.37
(3,1321)	1:B:37:LEU:HD22	1:B:33:VAL:H	17	0.37
(3,1321)	1:B:37:LEU:HD23	1:B:33:VAL:H	17	0.37
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	11	0.37
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	11	0.37
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	11	0.37
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	18	0.37
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	18	0.37
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	18	0.37
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD21	3	0.37
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD22	3	0.37
(3,1224)	1:B:71:THR:HA	1:B:82:LEU:HD23	3	0.37
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG21	3	0.37
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG22	3	0.37
(3,1224)	1:B:71:THR:HA	1:B:114:ILE:HG23	3	0.37
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG11	3	0.37
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG12	3	0.37
(3,1224)	1:B:71:THR:HA	1:B:74:VAL:HG13	3	0.37
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD21	3	0.37
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD22	3	0.37
(3,1224)	1:B:71:THR:HA	1:B:130:LEU:HD23	3	0.37
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	14	0.37
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	14	0.37
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	15	0.37
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	15	0.37
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	15	0.37
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	15	0.37
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	15	0.37
(2,52)	1:B:35:ALA:HB1	1:B:33:VAL:HB	8	0.37
(2,52)	1:B:35:ALA:HB2	1:B:33:VAL:HB	8	0.37
(2,52)	1:B:35:ALA:HB3	1:B:33:VAL:HB	8	0.37
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	10	0.37
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	10	0.37
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	10	0.37
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	10	0.37
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	10	0.37
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	10	0.37
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	10	0.37
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	10	0.37
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	10	0.37
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	10	0.37
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	10	0.37
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	10	0.37
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	3	0.37
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	3	0.37
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	3	0.37
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	3	0.37
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	3	0.37
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	3	0.37
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	3	0.37
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	3	0.37
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	3	0.37
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	7	0.37
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	7	0.37
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	7	0.37
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	13	0.37
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	13	0.37
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	13	0.37
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	14	0.37
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	14	0.37
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	14	0.37
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	14	0.37
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	14	0.37
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	14	0.37
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	14	0.37
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	14	0.37
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	14	0.37
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	14	0.37
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	14	0.37
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	16	0.37
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	16	0.37
(1,54)	1:B:13:GLU:H	1:B:12:GLU:HB3	4	0.37
(1,2658)	1:B:8:THR:HB	1:B:9:TRP:HD1	12	0.37
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	11	0.37
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	11	0.37
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	11	0.37
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	11	0.37
(1,2296)	1:B:43:VAL:HG21	1:B:44:PRO:HD2	20	0.37
(1,2296)	1:B:43:VAL:HG22	1:B:44:PRO:HD2	20	0.37
(1,2296)	1:B:43:VAL:HG23	1:B:44:PRO:HD2	20	0.37
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	1	0.37
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	1	0.37
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	1	0.37
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	1	0.37
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	1	0.37
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	1	0.37
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	1	0.37
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	1	0.37
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	1	0.37
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	5	0.37
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	5	0.37
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	5	0.37
(1,1964)	1:B:60:ALA:HA	1:B:55:VAL:HB	3	0.37
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE1	18	0.37
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE2	18	0.37
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	10	0.37
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	10	0.37
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	10	0.37
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	10	0.37
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	10	0.37
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	10	0.37
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	10	0.37
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	10	0.37
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	10	0.37
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	10	0.37
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	10	0.37
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	10	0.37
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	20	0.37
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	20	0.37
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	20	0.37
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	20	0.37
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	20	0.37
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	20	0.37
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	20	0.37
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	20	0.37
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	20	0.37
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	20	0.37
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	20	0.37
(1,1388)	1:B:106:THR:HG21	1:B:80:GLN:HG2	3	0.37
(1,1388)	1:B:106:THR:HG22	1:B:80:GLN:HG2	3	0.37
(1,1388)	1:B:106:THR:HG23	1:B:80:GLN:HG2	3	0.37
(1,1286)	1:B:114:ILE:HD11	1:B:109:ARG:HD2	1	0.37
(1,1286)	1:B:114:ILE:HD12	1:B:109:ARG:HD2	1	0.37
(1,1286)	1:B:114:ILE:HD13	1:B:109:ARG:HD2	1	0.37
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	9	0.37
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	9	0.37
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	9	0.37
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	18	0.37
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	18	0.37
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	18	0.37
(1,1178)	1:B:119:LEU:HG	1:B:126:GLU:H	19	0.37
(1,1142)	1:B:75:LEU:HG	1:B:74:VAL:HA	11	0.37
(1,1081)	1:B:124:VAL:HG21	1:B:126:GLU:H	15	0.37
(1,1081)	1:B:124:VAL:HG22	1:B:126:GLU:H	15	0.37
(1,1081)	1:B:124:VAL:HG23	1:B:126:GLU:H	15	0.37
(1,1064)	1:B:124:VAL:HB	1:B:129:GLU:HG3	5	0.37
(1,1064)	1:B:124:VAL:HB	1:B:129:GLU:HG2	5	0.37
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	2	0.36
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	2	0.36
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	2	0.36
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	2	0.36
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG3	11	0.36
(3,797)	1:B:133:LYS:HG3	1:B:135:GLN:HG2	11	0.36
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG3	11	0.36
(3,797)	1:B:133:LYS:HG2	1:B:135:GLN:HG2	11	0.36
(3,797)	1:B:64:LYS:HG2	1:B:65:ASP:HB3	11	0.36
(3,797)	1:B:64:LYS:HG3	1:B:65:ASP:HB3	11	0.36
(3,767)	1:B:62:SER:HB2	1:B:64:LYS:HB2	7	0.36
(3,767)	1:B:32:VAL:HA	1:B:30:GLN:HB3	7	0.36
(3,767)	1:B:110:SER:HB3	1:B:111:ARG:HB3	7	0.36
(3,767)	1:B:110:SER:HB3	1:B:109:ARG:HB2	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	18	0.36
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	18	0.36
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	18	0.36
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	18	0.36
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	18	0.36
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	18	0.36
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	18	0.36
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	4	0.36
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	4	0.36
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	4	0.36
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	4	0.36
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	4	0.36
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	4	0.36
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	4	0.36
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	4	0.36
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	4	0.36
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	17	0.36
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	17	0.36
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	17	0.36
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	17	0.36
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	17	0.36
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	17	0.36
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	17	0.36
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	17	0.36
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	17	0.36
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	15	0.36
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	15	0.36
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	15	0.36
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	15	0.36
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	15	0.36
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	15	0.36
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	7	0.36
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	7	0.36
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	7	0.36
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	7	0.36
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	7	0.36
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	7	0.36
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	7	0.36
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	7	0.36
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	7	0.36
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	7	0.36
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	7	0.36
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	9	0.36
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	9	0.36
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	9	0.36
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	9	0.36
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	9	0.36
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	9	0.36
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	9	0.36
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	9	0.36
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	9	0.36
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	9	0.36
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	9	0.36
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	9	0.36
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	1	0.36
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	1	0.36
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	1	0.36
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	1	0.36
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	1	0.36
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	1	0.36
(3,1751)	1:B:113:ARG:HD2	1:B:74:VAL:HG21	1	0.36
(3,1751)	1:B:113:ARG:HD2	1:B:74:VAL:HG22	1	0.36
(3,1751)	1:B:113:ARG:HD2	1:B:74:VAL:HG23	1	0.36
(3,1751)	1:B:113:ARG:HD3	1:B:74:VAL:HG21	1	0.36
(3,1751)	1:B:113:ARG:HD3	1:B:74:VAL:HG22	1	0.36
(3,1751)	1:B:113:ARG:HD3	1:B:74:VAL:HG23	1	0.36
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD11	1	0.36
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD12	1	0.36
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD13	1	0.36
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD21	1	0.36
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD22	1	0.36
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD23	1	0.36
(3,1751)	1:B:18:ARG:HD3	1:B:59:LEU:HD21	1	0.36
(3,1751)	1:B:18:ARG:HD3	1:B:59:LEU:HD22	1	0.36
(3,1751)	1:B:18:ARG:HD3	1:B:59:LEU:HD23	1	0.36
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG3	20	0.36
(3,1683)	1:B:86:ARG:HB3	1:B:90:GLU:HB3	20	0.36
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG2	20	0.36
(3,1683)	1:B:86:ARG:HB2	1:B:90:GLU:HB3	20	0.36
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	8	0.36
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	8	0.36
(3,1561)	1:B:131:TYR:HB2	1:B:133:LYS:HG2	17	0.36
(3,1561)	1:B:131:TYR:HB2	1:B:133:LYS:HG3	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1561)	1:B:131:TYR:HB2	1:B:132:LYS:HG2	17	0.36
(3,1561)	1:B:131:TYR:HB2	1:B:133:LYS:HG2	20	0.36
(3,1561)	1:B:131:TYR:HB2	1:B:133:LYS:HG3	20	0.36
(3,1561)	1:B:131:TYR:HB2	1:B:132:LYS:HG2	20	0.36
(3,1556)	1:B:42:THR:HA	1:B:41:ASN:HB3	8	0.36
(3,1556)	1:B:42:THR:HA	1:B:45:ARG:HD3	8	0.36
(3,1383)	1:B:54:LEU:HD21	1:B:17:LEU:HG	10	0.36
(3,1383)	1:B:54:LEU:HD22	1:B:17:LEU:HG	10	0.36
(3,1383)	1:B:54:LEU:HD23	1:B:17:LEU:HG	10	0.36
(3,1383)	1:B:54:LEU:HD21	1:B:59:LEU:HG	10	0.36
(3,1383)	1:B:54:LEU:HD22	1:B:59:LEU:HG	10	0.36
(3,1383)	1:B:54:LEU:HD23	1:B:59:LEU:HG	10	0.36
(3,1232)	1:B:8:THR:HB	1:B:7:PRO:HB2	12	0.36
(3,1232)	1:B:71:THR:HB	1:B:82:LEU:HB3	12	0.36
(3,1231)	1:B:71:THR:HA	1:B:121:LEU:HA	19	0.36
(3,1231)	1:B:71:THR:HA	1:B:71:THR:HB	19	0.36
(3,1134)	1:B:52:HIS:HB3	1:B:48:LYS:HG3	16	0.36
(3,1134)	1:B:72:HIS:HB3	1:B:121:LEU:HG	16	0.36
(3,1134)	1:B:72:HIS:HB3	1:B:117:LYS:HB3	16	0.36
(3,1134)	1:B:52:HIS:HB3	1:B:51:ILE:HG12	16	0.36
(3,1134)	1:B:72:HIS:HB3	1:B:119:LEU:HB3	16	0.36
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	2	0.36
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	2	0.36
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	2	0.36
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	2	0.36
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	2	0.36
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	2	0.36
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	2	0.36
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD11	1	0.36
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD12	1	0.36
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD13	1	0.36
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	7	0.36
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	9	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	1	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	1	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	1	0.36
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	1	0.36
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	1	0.36
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	1	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	1	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	1	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	1	0.36
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	1	0.36
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	1	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	19	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	19	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	19	0.36
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	19	0.36
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	19	0.36
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	19	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	19	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	19	0.36
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	19	0.36
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	19	0.36
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	19	0.36
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	19	0.36
(1,980)	1:B:33:VAL:HG11	1:B:51:ILE:HG13	11	0.36
(1,980)	1:B:33:VAL:HG12	1:B:51:ILE:HG13	11	0.36
(1,980)	1:B:33:VAL:HG13	1:B:51:ILE:HG13	11	0.36
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	2	0.36
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	2	0.36
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	2	0.36
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	16	0.36
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	16	0.36
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	16	0.36
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	20	0.36
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	20	0.36
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	20	0.36
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	10	0.36
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	10	0.36
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	10	0.36
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	10	0.36
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	10	0.36
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	10	0.36
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	2	0.36
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	2	0.36
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	2	0.36
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	2	0.36
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	2	0.36
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	2	0.36
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	2	0.36
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	2	0.36
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	2	0.36
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	2	0.36
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	2	0.36
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	16	0.36
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	3	0.36
(1,54)	1:B:13:GLU:H	1:B:12:GLU:HB3	2	0.36
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	12	0.36
(1,2638)	1:B:10:SER:HB3	1:B:11:PRO:HG3	11	0.36
(1,2619)	1:B:11:PRO:HA	1:B:14:GLU:HB2	2	0.36
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	19	0.36
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	19	0.36
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	19	0.36
(1,25)	1:B:8:THR:H	1:B:8:THR:HG21	1	0.36
(1,25)	1:B:8:THR:H	1:B:8:THR:HG22	1	0.36
(1,25)	1:B:8:THR:H	1:B:8:THR:HG23	1	0.36
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	9	0.36
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	9	0.36
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	9	0.36
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	9	0.36
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	9	0.36
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	9	0.36
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	9	0.36
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	9	0.36
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	9	0.36
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	10	0.36
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	10	0.36
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	10	0.36
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	10	0.36
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	10	0.36
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	10	0.36
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	10	0.36
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	10	0.36
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	10	0.36
(1,2197)	1:B:49:GLN:HG2	1:B:45:ARG:HG3	1	0.36
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	15	0.36
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	15	0.36
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	15	0.36
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	16	0.36
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	16	0.36
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	16	0.36
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	16	0.36
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	16	0.36
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	18	0.36
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	18	0.36
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	18	0.36
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	18	0.36
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	18	0.36
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	18	0.36
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	18	0.36
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	18	0.36
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	18	0.36
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	20	0.36
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	20	0.36
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	20	0.36
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	17	0.36
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	17	0.36
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	17	0.36
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	14	0.36
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	14	0.36
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	14	0.36
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	7	0.36
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	7	0.36
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	7	0.36
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG11	5	0.36
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG12	5	0.36
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG13	5	0.36
(1,1763)	1:B:82:LEU:HD11	1:B:85:GLN:HE22	11	0.36
(1,1763)	1:B:82:LEU:HD12	1:B:85:GLN:HE22	11	0.36
(1,1763)	1:B:82:LEU:HD13	1:B:85:GLN:HE22	11	0.36
(1,1734)	1:B:85:GLN:HG3	1:B:88:PHE:HB3	20	0.36
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG11	19	0.36
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG12	19	0.36
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG13	19	0.36
(1,1531)	1:B:97:VAL:HG11	1:B:88:PHE:HE1	5	0.36
(1,1531)	1:B:97:VAL:HG11	1:B:88:PHE:HE2	5	0.36
(1,1531)	1:B:97:VAL:HG12	1:B:88:PHE:HE1	5	0.36
(1,1531)	1:B:97:VAL:HG12	1:B:88:PHE:HE2	5	0.36
(1,1531)	1:B:97:VAL:HG13	1:B:88:PHE:HE1	5	0.36
(1,1531)	1:B:97:VAL:HG13	1:B:88:PHE:HE2	5	0.36
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	18	0.36
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	18	0.36
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	18	0.36
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	18	0.36
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	18	0.36
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HG	10	0.36
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HG	10	0.36
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HG	10	0.36
(1,1070)	1:B:124:VAL:HG21	1:B:130:LEU:HB3	10	0.36
(1,1070)	1:B:124:VAL:HG22	1:B:130:LEU:HB3	10	0.36
(1,1070)	1:B:124:VAL:HG23	1:B:130:LEU:HB3	10	0.36
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD21	9	0.35
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD22	9	0.35
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD23	9	0.35
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD21	9	0.35
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD22	9	0.35
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD23	9	0.35
(3,862)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	16	0.35
(3,862)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	16	0.35
(3,862)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	16	0.35
(3,862)	1:B:101:ILE:HD11	1:B:98:LEU:HB3	16	0.35
(3,862)	1:B:101:ILE:HD12	1:B:98:LEU:HB3	16	0.35
(3,862)	1:B:101:ILE:HD13	1:B:98:LEU:HB3	16	0.35
(3,862)	1:B:105:ILE:HD11	1:B:114:ILE:HG13	16	0.35
(3,862)	1:B:105:ILE:HD12	1:B:114:ILE:HG13	16	0.35
(3,862)	1:B:105:ILE:HD13	1:B:114:ILE:HG13	16	0.35
(3,862)	1:B:101:ILE:HD11	1:B:114:ILE:HG13	16	0.35
(3,862)	1:B:101:ILE:HD12	1:B:114:ILE:HG13	16	0.35
(3,862)	1:B:101:ILE:HD13	1:B:114:ILE:HG13	16	0.35
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE1	5	0.35
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE2	5	0.35
(3,830)	1:B:31:ASP:HB3	1:B:30:GLN:HE21	5	0.35
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	18	0.35
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	18	0.35
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	18	0.35
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	18	0.35
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	18	0.35
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	18	0.35
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	13	0.35
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	13	0.35
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	13	0.35
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	13	0.35
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	13	0.35
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	13	0.35
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	14	0.35
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	14	0.35
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	14	0.35
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	14	0.35
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	14	0.35
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	14	0.35
(3,458)	1:B:25:LYS:HE2	1:B:25:LYS:HG2	5	0.35
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG21	5	0.35
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG22	5	0.35
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG23	5	0.35
(3,458)	1:B:25:LYS:HE3	1:B:25:LYS:HG2	5	0.35
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	8	0.35
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	8	0.35
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	8	0.35
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	8	0.35
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	8	0.35
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	8	0.35
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD3	18	0.35
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD2	18	0.35
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD2	18	0.35
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD3	18	0.35
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	9	0.35
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	9	0.35
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	9	0.35
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	9	0.35
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	9	0.35
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	9	0.35
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	6	0.35
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	6	0.35
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	6	0.35
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	6	0.35
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	6	0.35
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	6	0.35
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	6	0.35
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	6	0.35
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	6	0.35
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	6	0.35
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	6	0.35
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	6	0.35
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE1	11	0.35
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE2	11	0.35
(3,1845)	1:B:9:TRP:HZ2	1:B:57:MET:HE3	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1845)	1:B:9:TRP:HZ2	1:B:54:LEU:HB3	11	0.35
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	20	0.35
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	20	0.35
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	20	0.35
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	20	0.35
(3,1766)	1:B:17:LEU:HD11	1:B:17:LEU:HA	11	0.35
(3,1766)	1:B:17:LEU:HD12	1:B:17:LEU:HA	11	0.35
(3,1766)	1:B:17:LEU:HD13	1:B:17:LEU:HA	11	0.35
(3,1766)	1:B:17:LEU:HD11	1:B:37:LEU:HA	11	0.35
(3,1766)	1:B:17:LEU:HD12	1:B:37:LEU:HA	11	0.35
(3,1766)	1:B:17:LEU:HD13	1:B:37:LEU:HA	11	0.35
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG3	15	0.35
(3,1683)	1:B:86:ARG:HB3	1:B:90:GLU:HB3	15	0.35
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG2	15	0.35
(3,1683)	1:B:86:ARG:HB2	1:B:90:GLU:HB3	15	0.35
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	14	0.35
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	14	0.35
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	14	0.35
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HG3	6	0.35
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HG3	6	0.35
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HG3	6	0.35
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HG2	6	0.35
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HG2	6	0.35
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HG2	6	0.35
(3,1466)	1:B:50:ILE:HD11	1:B:14:GLU:HB2	6	0.35
(3,1466)	1:B:50:ILE:HD12	1:B:14:GLU:HB2	6	0.35
(3,1466)	1:B:50:ILE:HD13	1:B:14:GLU:HB2	6	0.35
(3,1466)	1:B:50:ILE:HD11	1:B:34:GLU:HG2	6	0.35
(3,1466)	1:B:50:ILE:HD12	1:B:34:GLU:HG2	6	0.35
(3,1466)	1:B:50:ILE:HD13	1:B:34:GLU:HG2	6	0.35
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HB3	6	0.35
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HB3	6	0.35
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HB3	6	0.35
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HB2	6	0.35
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HB2	6	0.35
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HB2	6	0.35
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	6	0.35
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	6	0.35
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	6	0.35
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	16	0.35
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	16	0.35
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	16	0.35
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	16	0.35
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	16	0.35
(3,1383)	1:B:54:LEU:HD21	1:B:17:LEU:HG	11	0.35
(3,1383)	1:B:54:LEU:HD22	1:B:17:LEU:HG	11	0.35
(3,1383)	1:B:54:LEU:HD23	1:B:17:LEU:HG	11	0.35
(3,1383)	1:B:54:LEU:HD21	1:B:59:LEU:HG	11	0.35
(3,1383)	1:B:54:LEU:HD22	1:B:59:LEU:HG	11	0.35
(3,1383)	1:B:54:LEU:HD23	1:B:59:LEU:HG	11	0.35
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	11	0.35
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	11	0.35
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	11	0.35
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	11	0.35
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	11	0.35
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	11	0.35
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	17	0.35
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	17	0.35
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	17	0.35
(3,1231)	1:B:71:THR:HA	1:B:121:LEU:HA	16	0.35
(3,1231)	1:B:71:THR:HA	1:B:71:THR:HB	16	0.35
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	15	0.35
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	15	0.35
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	15	0.35
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	15	0.35
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	15	0.35
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	15	0.35
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	5	0.35
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	5	0.35
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	5	0.35
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	9	0.35
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	9	0.35
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	9	0.35
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	8	0.35
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	18	0.35
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	18	0.35
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	18	0.35
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG21	17	0.35
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG22	17	0.35
(2,1)	1:B:6:ALA:H	1:B:8:THR:HG23	17	0.35
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	15	0.35
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	15	0.35
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:B:131:TYR:HD1	1:B:130:LEU:H	18	0.35
(1,966)	1:B:131:TYR:HD2	1:B:130:LEU:H	18	0.35
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	3	0.35
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	3	0.35
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD11	9	0.35
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD12	9	0.35
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD13	9	0.35
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD21	9	0.35
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD22	9	0.35
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD23	9	0.35
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	2	0.35
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	5	0.35
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	17	0.35
(1,588)	1:B:92:ARG:H	1:B:92:ARG:HB3	9	0.35
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	6	0.35
(1,409)	1:B:64:LYS:H	1:B:65:ASP:HB3	16	0.35
(1,2605)	1:B:14:GLU:HG3	1:B:53:HIS:HD2	12	0.35
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	18	0.35
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	18	0.35
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	18	0.35
(1,2377)	1:B:119:LEU:HG	1:B:124:VAL:H	3	0.35
(1,2276)	1:B:43:VAL:HG21	1:B:49:GLN:HB3	4	0.35
(1,2276)	1:B:43:VAL:HG22	1:B:49:GLN:HB3	4	0.35
(1,2276)	1:B:43:VAL:HG23	1:B:49:GLN:HB3	4	0.35
(1,2276)	1:B:43:VAL:HG21	1:B:49:GLN:HG3	4	0.35
(1,2276)	1:B:43:VAL:HG22	1:B:49:GLN:HG3	4	0.35
(1,2276)	1:B:43:VAL:HG23	1:B:49:GLN:HG3	4	0.35
(1,2276)	1:B:43:VAL:HG21	1:B:49:GLN:HB2	4	0.35
(1,2276)	1:B:43:VAL:HG22	1:B:49:GLN:HB2	4	0.35
(1,2276)	1:B:43:VAL:HG23	1:B:49:GLN:HB2	4	0.35
(1,2276)	1:B:43:VAL:HG21	1:B:49:GLN:HB3	8	0.35
(1,2276)	1:B:43:VAL:HG22	1:B:49:GLN:HB3	8	0.35
(1,2276)	1:B:43:VAL:HG23	1:B:49:GLN:HB3	8	0.35
(1,2276)	1:B:43:VAL:HG21	1:B:49:GLN:HG3	8	0.35
(1,2276)	1:B:43:VAL:HG22	1:B:49:GLN:HG3	8	0.35
(1,2276)	1:B:43:VAL:HG23	1:B:49:GLN:HG3	8	0.35
(1,2276)	1:B:43:VAL:HG21	1:B:49:GLN:HB2	8	0.35
(1,2276)	1:B:43:VAL:HG22	1:B:49:GLN:HB2	8	0.35
(1,2276)	1:B:43:VAL:HG23	1:B:49:GLN:HB2	8	0.35
(1,2212)	1:B:48:LYS:HG2	1:B:51:ILE:HG21	1	0.35
(1,2212)	1:B:48:LYS:HG2	1:B:51:ILE:HG22	1	0.35
(1,2212)	1:B:48:LYS:HG2	1:B:51:ILE:HG23	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	7	0.35
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	7	0.35
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	7	0.35
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	7	0.35
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	7	0.35
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	7	0.35
(1,2136)	1:B:51:ILE:HG21	1:B:63:VAL:HB	10	0.35
(1,2136)	1:B:51:ILE:HG22	1:B:63:VAL:HB	10	0.35
(1,2136)	1:B:51:ILE:HG23	1:B:63:VAL:HB	10	0.35
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	7	0.35
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	7	0.35
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	7	0.35
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	17	0.35
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	17	0.35
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	17	0.35
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	20	0.35
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	20	0.35
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	20	0.35
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	20	0.35
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	20	0.35
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	20	0.35
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	20	0.35
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	20	0.35
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	20	0.35
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	20	0.35
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	20	0.35
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	20	0.35
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	20	0.35
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	20	0.35
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	20	0.35
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	6	0.35
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	6	0.35
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	6	0.35
(1,1806)	1:B:74:VAL:HG11	1:B:109:ARG:HD3	8	0.35
(1,1806)	1:B:74:VAL:HG12	1:B:109:ARG:HD3	8	0.35
(1,1806)	1:B:74:VAL:HG13	1:B:109:ARG:HD3	8	0.35
(1,1633)	1:B:90:GLU:HG3	1:B:86:ARG:HA	14	0.35
(1,15)	1:B:6:ALA:H	1:B:5:ARG:HG3	7	0.35
(1,15)	1:B:6:ALA:H	1:B:5:ARG:HG2	7	0.35
(1,1421)	1:B:105:ILE:HG21	1:B:102:MET:HG3	13	0.35
(1,1421)	1:B:105:ILE:HG22	1:B:102:MET:HG3	13	0.35
(1,1421)	1:B:105:ILE:HG23	1:B:102:MET:HG3	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	1	0.35
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	1	0.35
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	1	0.35
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	10	0.35
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	10	0.35
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	10	0.35
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	4	0.35
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	4	0.35
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	4	0.35
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	10	0.35
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	10	0.35
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	10	0.35
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG21	13	0.35
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG22	13	0.35
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG23	13	0.35
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	3	0.35
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	3	0.35
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	3	0.35
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG11	18	0.34
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG12	18	0.34
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG13	18	0.34
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG21	18	0.34
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG22	18	0.34
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG23	18	0.34
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	15	0.34
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	15	0.34
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	15	0.34
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	15	0.34
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	15	0.34
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	15	0.34
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	15	0.34
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	15	0.34
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	15	0.34
(3,837)	1:B:102:MET:HE1	1:B:102:MET:HA	16	0.34
(3,837)	1:B:102:MET:HE2	1:B:102:MET:HA	16	0.34
(3,837)	1:B:102:MET:HE3	1:B:102:MET:HA	16	0.34
(3,837)	1:B:102:MET:HE1	1:B:111:ARG:HA	16	0.34
(3,837)	1:B:102:MET:HE2	1:B:111:ARG:HA	16	0.34
(3,837)	1:B:102:MET:HE3	1:B:111:ARG:HA	16	0.34
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	10	0.34
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	10	0.34
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	10	0.34
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	10	0.34
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	10	0.34
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	10	0.34
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	10	0.34
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	10	0.34
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD11	8	0.34
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD12	8	0.34
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD13	8	0.34
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD11	8	0.34
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD12	8	0.34
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD13	8	0.34
(3,719)	1:B:27:VAL:HG11	1:B:30:GLN:HE22	6	0.34
(3,719)	1:B:27:VAL:HG12	1:B:30:GLN:HE22	6	0.34
(3,719)	1:B:27:VAL:HG13	1:B:30:GLN:HE22	6	0.34
(3,719)	1:B:115:VAL:HG21	1:B:130:LEU:H	6	0.34
(3,719)	1:B:115:VAL:HG22	1:B:130:LEU:H	6	0.34
(3,719)	1:B:115:VAL:HG23	1:B:130:LEU:H	6	0.34
(3,695)	1:B:63:VAL:HG11	1:B:67:GLN:HG2	16	0.34
(3,695)	1:B:63:VAL:HG12	1:B:67:GLN:HG2	16	0.34
(3,695)	1:B:63:VAL:HG13	1:B:67:GLN:HG2	16	0.34
(3,695)	1:B:63:VAL:HG11	1:B:67:GLN:HG3	16	0.34
(3,695)	1:B:63:VAL:HG12	1:B:67:GLN:HG3	16	0.34
(3,695)	1:B:63:VAL:HG13	1:B:67:GLN:HG3	16	0.34
(3,695)	1:B:63:VAL:HG11	1:B:65:ASP:HB3	16	0.34
(3,695)	1:B:63:VAL:HG12	1:B:65:ASP:HB3	16	0.34
(3,695)	1:B:63:VAL:HG13	1:B:65:ASP:HB3	16	0.34
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG21	14	0.34
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG22	14	0.34
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG23	14	0.34
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD11	14	0.34
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD12	14	0.34
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD13	14	0.34
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	19	0.34
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	19	0.34
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	19	0.34
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	19	0.34
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	19	0.34
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	19	0.34
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	19	0.34
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	19	0.34
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	7	0.34
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	7	0.34
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	10	0.34
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	10	0.34
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	10	0.34
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	10	0.34
(3,349)	1:B:33:VAL:HG11	1:B:37:LEU:H	6	0.34
(3,349)	1:B:33:VAL:HG12	1:B:37:LEU:H	6	0.34
(3,349)	1:B:33:VAL:HG13	1:B:37:LEU:H	6	0.34
(3,349)	1:B:130:LEU:HD21	1:B:115:VAL:H	6	0.34
(3,349)	1:B:130:LEU:HD22	1:B:115:VAL:H	6	0.34
(3,349)	1:B:130:LEU:HD23	1:B:115:VAL:H	6	0.34
(3,232)	1:B:104:ASN:H	1:B:87:LEU:HB3	9	0.34
(3,232)	1:B:104:ASN:H	1:B:105:ILE:HG12	9	0.34
(3,164)	1:B:76:TRP:HE1	1:B:109:ARG:HG2	17	0.34
(3,164)	1:B:76:TRP:HE1	1:B:105:ILE:HG13	17	0.34
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	9	0.34
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	9	0.34
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	20	0.34
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	20	0.34
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	20	0.34
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	20	0.34
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	14	0.34
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	14	0.34
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	14	0.34
(3,1296)	1:B:60:ALA:HB1	1:B:55:VAL:HG11	3	0.34
(3,1296)	1:B:60:ALA:HB1	1:B:55:VAL:HG12	3	0.34
(3,1296)	1:B:60:ALA:HB1	1:B:55:VAL:HG13	3	0.34
(3,1296)	1:B:60:ALA:HB2	1:B:55:VAL:HG11	3	0.34
(3,1296)	1:B:60:ALA:HB2	1:B:55:VAL:HG12	3	0.34
(3,1296)	1:B:60:ALA:HB2	1:B:55:VAL:HG13	3	0.34
(3,1296)	1:B:60:ALA:HB3	1:B:55:VAL:HG11	3	0.34
(3,1296)	1:B:60:ALA:HB3	1:B:55:VAL:HG12	3	0.34
(3,1296)	1:B:60:ALA:HB3	1:B:55:VAL:HG13	3	0.34
(3,1296)	1:B:60:ALA:HB1	1:B:54:LEU:HB2	3	0.34
(3,1296)	1:B:60:ALA:HB2	1:B:54:LEU:HB2	3	0.34
(3,1296)	1:B:60:ALA:HB3	1:B:54:LEU:HB2	3	0.34
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	1	0.34
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	1	0.34
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	1	0.34
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	1	0.34
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	1	0.34
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	17	0.34
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	17	0.34
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	17	0.34
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD2	13	0.34
(3,1240)	1:B:70:GLY:HA3	1:B:64:LYS:HD3	13	0.34
(3,1240)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	13	0.34
(3,1240)	1:B:122:GLY:HA2	1:B:127:ARG:HG2	13	0.34
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	12	0.34
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	12	0.34
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	12	0.34
(3,1232)	1:B:8:THR:HB	1:B:7:PRO:HB2	17	0.34
(3,1232)	1:B:71:THR:HB	1:B:82:LEU:HB3	17	0.34
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB2	6	0.34
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB2	6	0.34
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB2	6	0.34
(3,1189)	1:B:73:ILE:HG21	1:B:114:ILE:HB	6	0.34
(3,1189)	1:B:73:ILE:HG22	1:B:114:ILE:HB	6	0.34
(3,1189)	1:B:73:ILE:HG23	1:B:114:ILE:HB	6	0.34
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB3	6	0.34
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB3	6	0.34
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB3	6	0.34
(3,1189)	1:B:73:ILE:HG21	1:B:113:ARG:HB3	6	0.34
(3,1189)	1:B:73:ILE:HG22	1:B:113:ARG:HB3	6	0.34
(3,1189)	1:B:73:ILE:HG23	1:B:113:ARG:HB3	6	0.34
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HG3	6	0.34
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HG3	6	0.34
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HG3	6	0.34
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	14	0.34
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	14	0.34
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	14	0.34
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	14	0.34
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	14	0.34
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	14	0.34
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	12	0.34
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	12	0.34
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	12	0.34
(3,1063)	1:B:85:GLN:HG2	1:B:86:ARG:HG3	19	0.34
(3,1063)	1:B:85:GLN:HG2	1:B:82:LEU:HB3	19	0.34
(2,31)	1:B:104:ASN:HB2	1:B:100:HIS:H	17	0.34
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	2	0.34
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	2	0.34
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	16	0.34
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	16	0.34
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	16	0.34
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	19	0.34
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	19	0.34
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	19	0.34
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	4	0.34
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	4	0.34
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	4	0.34
(1,954)	1:B:131:TYR:HE1	1:B:127:ARG:HG2	12	0.34
(1,954)	1:B:131:TYR:HE2	1:B:127:ARG:HG2	12	0.34
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	11	0.34
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	11	0.34
(1,888)	1:B:75:LEU:HD21	1:B:75:LEU:HA	9	0.34
(1,888)	1:B:75:LEU:HD22	1:B:75:LEU:HA	9	0.34
(1,888)	1:B:75:LEU:HD23	1:B:75:LEU:HA	9	0.34
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	7	0.34
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	9	0.34
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	1	0.34
(1,608)	1:B:94:SER:H	1:B:91:PHE:HA	1	0.34
(1,588)	1:B:92:ARG:H	1:B:92:ARG:HB3	3	0.34
(1,588)	1:B:92:ARG:H	1:B:92:ARG:HB3	11	0.34
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	13	0.34
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	3	0.34
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	3	0.34
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	3	0.34
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	5	0.34
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	5	0.34
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	5	0.34
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	4	0.34
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	4	0.34
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	4	0.34
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	15	0.34
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	15	0.34
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	15	0.34
(1,2566)	1:B:17:LEU:HD21	1:B:53:HIS:HD2	11	0.34
(1,2566)	1:B:17:LEU:HD22	1:B:53:HIS:HD2	11	0.34
(1,2566)	1:B:17:LEU:HD23	1:B:53:HIS:HD2	11	0.34
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD11	7	0.34
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD12	7	0.34
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD13	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:B:43:VAL:HG21	1:B:44:PRO:HD2	14	0.34
(1,2296)	1:B:43:VAL:HG22	1:B:44:PRO:HD2	14	0.34
(1,2296)	1:B:43:VAL:HG23	1:B:44:PRO:HD2	14	0.34
(1,2221)	1:B:46:THR:HG21	1:B:49:GLN:HB2	10	0.34
(1,2221)	1:B:46:THR:HG22	1:B:49:GLN:HB2	10	0.34
(1,2221)	1:B:46:THR:HG23	1:B:49:GLN:HB2	10	0.34
(1,2221)	1:B:46:THR:HG21	1:B:49:GLN:HB3	10	0.34
(1,2221)	1:B:46:THR:HG22	1:B:49:GLN:HB3	10	0.34
(1,2221)	1:B:46:THR:HG23	1:B:49:GLN:HB3	10	0.34
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	6	0.34
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	6	0.34
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	6	0.34
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	7	0.34
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	7	0.34
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	7	0.34
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	10	0.34
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	10	0.34
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	10	0.34
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	15	0.34
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	15	0.34
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	15	0.34
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	20	0.34
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	20	0.34
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	20	0.34
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	13	0.34
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	13	0.34
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	13	0.34
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	13	0.34
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	13	0.34
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	13	0.34
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	16	0.34
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	16	0.34
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	16	0.34
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	3	0.34
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	18	0.34
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	19	0.34
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	19	0.34
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	19	0.34
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	6	0.34
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	6	0.34
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	6	0.34
(1,1592)	1:B:92:ARG:HD3	1:B:88:PHE:HE1	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1592)	1:B:92:ARG:HD3	1:B:88:PHE:HE2	10	0.34
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG11	3	0.34
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG12	3	0.34
(1,1545)	1:B:24:ASN:HA	1:B:27:VAL:HG13	3	0.34
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	14	0.34
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	14	0.34
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	14	0.34
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	14	0.34
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	14	0.34
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	14	0.34
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	14	0.34
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	14	0.34
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	14	0.34
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE2	6	0.34
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE2	6	0.34
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE2	6	0.34
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE3	6	0.34
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE3	6	0.34
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE3	6	0.34
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD21	4	0.34
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD22	4	0.34
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD23	4	0.34
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD21	4	0.34
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD22	4	0.34
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD23	4	0.34
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD21	4	0.34
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD22	4	0.34
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD23	4	0.34
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG21	15	0.34
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG22	15	0.34
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG23	15	0.34
(1,1081)	1:B:124:VAL:HG21	1:B:126:GLU:H	16	0.34
(1,1081)	1:B:124:VAL:HG22	1:B:126:GLU:H	16	0.34
(1,1081)	1:B:124:VAL:HG23	1:B:126:GLU:H	16	0.34
(3,942)	1:B:97:VAL:HG11	1:B:98:LEU:H	8	0.33
(3,942)	1:B:97:VAL:HG12	1:B:98:LEU:H	8	0.33
(3,942)	1:B:97:VAL:HG13	1:B:98:LEU:H	8	0.33
(3,942)	1:B:97:VAL:HG11	1:B:97:VAL:H	8	0.33
(3,942)	1:B:97:VAL:HG12	1:B:97:VAL:H	8	0.33
(3,942)	1:B:97:VAL:HG13	1:B:97:VAL:H	8	0.33
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	1	0.33
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	1	0.33
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	1	0.33
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	1	0.33
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	1	0.33
(3,897)	1:B:98:LEU:HD21	1:B:101:ILE:HB	20	0.33
(3,897)	1:B:98:LEU:HD22	1:B:101:ILE:HB	20	0.33
(3,897)	1:B:98:LEU:HD23	1:B:101:ILE:HB	20	0.33
(3,897)	1:B:98:LEU:HD21	1:B:118:LEU:HB2	20	0.33
(3,897)	1:B:98:LEU:HD22	1:B:118:LEU:HB2	20	0.33
(3,897)	1:B:98:LEU:HD23	1:B:118:LEU:HB2	20	0.33
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	17	0.33
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	17	0.33
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	17	0.33
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	17	0.33
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	17	0.33
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	17	0.33
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	20	0.33
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	20	0.33
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	20	0.33
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	20	0.33
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	20	0.33
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	20	0.33
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	20	0.33
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	20	0.33
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	20	0.33
(3,541)	1:B:124:VAL:HG21	1:B:126:GLU:HG3	8	0.33
(3,541)	1:B:124:VAL:HG22	1:B:126:GLU:HG3	8	0.33
(3,541)	1:B:124:VAL:HG23	1:B:126:GLU:HG3	8	0.33
(3,541)	1:B:124:VAL:HG21	1:B:129:GLU:HB3	8	0.33
(3,541)	1:B:124:VAL:HG22	1:B:129:GLU:HB3	8	0.33
(3,541)	1:B:124:VAL:HG23	1:B:129:GLU:HB3	8	0.33
(3,541)	1:B:124:VAL:HG21	1:B:115:VAL:HB	8	0.33
(3,541)	1:B:124:VAL:HG22	1:B:115:VAL:HB	8	0.33
(3,541)	1:B:124:VAL:HG23	1:B:115:VAL:HB	8	0.33
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	19	0.33
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	19	0.33
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	19	0.33
(3,470)	1:B:64:LYS:HE3	1:B:70:GLY:H	14	0.33
(3,470)	1:B:64:LYS:HE2	1:B:70:GLY:H	14	0.33
(3,470)	1:B:25:LYS:HE3	1:B:26:ASP:H	14	0.33
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG3	19	0.33
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG2	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,439)	1:B:14:GLU:HB3	1:B:17:LEU:HG	19	0.33
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD21	17	0.33
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD22	17	0.33
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD23	17	0.33
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD21	17	0.33
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD22	17	0.33
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD23	17	0.33
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD21	17	0.33
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD22	17	0.33
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD23	17	0.33
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG11	17	0.33
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG12	17	0.33
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG13	17	0.33
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD21	17	0.33
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD22	17	0.33
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD23	17	0.33
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG11	17	0.33
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG12	17	0.33
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG13	17	0.33
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	15	0.33
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	15	0.33
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	15	0.33
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	15	0.33
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	16	0.33
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	16	0.33
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	16	0.33
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	16	0.33
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	19	0.33
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	19	0.33
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	19	0.33
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	19	0.33
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	13	0.33
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	13	0.33
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	13	0.33
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	13	0.33
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	13	0.33
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	13	0.33
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	13	0.33
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	13	0.33
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	13	0.33
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD3	4	0.33
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD2	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD2	4	0.33
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD3	4	0.33
(3,210)	1:B:93:ASP:H	1:B:92:ARG:HD3	11	0.33
(3,210)	1:B:93:ASP:H	1:B:88:PHE:HB2	11	0.33
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD11	10	0.33
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD12	10	0.33
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD13	10	0.33
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG21	10	0.33
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG22	10	0.33
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG23	10	0.33
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG21	10	0.33
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG22	10	0.33
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG23	10	0.33
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD11	5	0.33
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD12	5	0.33
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD13	5	0.33
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD11	5	0.33
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD12	5	0.33
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD13	5	0.33
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	9	0.33
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	9	0.33
(3,1576)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	18	0.33
(3,1576)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	18	0.33
(3,1576)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	18	0.33
(3,1576)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	18	0.33
(3,1576)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	18	0.33
(3,1576)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	18	0.33
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	18	0.33
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	18	0.33
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	8	0.33
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	8	0.33
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	2	0.33
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	2	0.33
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	2	0.33
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	2	0.33
(3,1321)	1:B:37:LEU:HD21	1:B:34:GLU:H	18	0.33
(3,1321)	1:B:37:LEU:HD22	1:B:34:GLU:H	18	0.33
(3,1321)	1:B:37:LEU:HD23	1:B:34:GLU:H	18	0.33
(3,1321)	1:B:37:LEU:HD21	1:B:33:VAL:H	18	0.33
(3,1321)	1:B:37:LEU:HD22	1:B:33:VAL:H	18	0.33
(3,1321)	1:B:37:LEU:HD23	1:B:33:VAL:H	18	0.33
(3,1262)	1:B:65:ASP:HB3	1:B:63:VAL:HA	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1262)	1:B:65:ASP:HB3	1:B:55:VAL:HA	14	0.33
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB2	18	0.33
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB2	18	0.33
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB2	18	0.33
(3,1189)	1:B:73:ILE:HG21	1:B:114:ILE:HB	18	0.33
(3,1189)	1:B:73:ILE:HG22	1:B:114:ILE:HB	18	0.33
(3,1189)	1:B:73:ILE:HG23	1:B:114:ILE:HB	18	0.33
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB3	18	0.33
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB3	18	0.33
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB3	18	0.33
(3,1189)	1:B:73:ILE:HG21	1:B:113:ARG:HB3	18	0.33
(3,1189)	1:B:73:ILE:HG22	1:B:113:ARG:HB3	18	0.33
(3,1189)	1:B:73:ILE:HG23	1:B:113:ARG:HB3	18	0.33
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HG3	18	0.33
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HG3	18	0.33
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HG3	18	0.33
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	13	0.33
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	13	0.33
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	13	0.33
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	13	0.33
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	13	0.33
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	13	0.33
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	13	0.33
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	13	0.33
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	13	0.33
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	7	0.33
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	7	0.33
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	7	0.33
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	7	0.33
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	7	0.33
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	7	0.33
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	1	0.33
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	1	0.33
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	1	0.33
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	1	0.33
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	1	0.33
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	1	0.33
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	1	0.33
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	7	0.33
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	7	0.33
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	7	0.33
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	7	0.33
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	7	0.33
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	7	0.33
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	17	0.33
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	17	0.33
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	17	0.33
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	17	0.33
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	17	0.33
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	17	0.33
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	17	0.33
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	17	0.33
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	17	0.33
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	17	0.33
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	17	0.33
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	17	0.33
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	15	0.33
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	15	0.33
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	15	0.33
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	13	0.33
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	13	0.33
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	10	0.33
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	10	0.33
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	3	0.33
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	3	0.33
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD11	7	0.33
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD12	7	0.33
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD13	7	0.33
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD21	7	0.33
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD22	7	0.33
(1,909)	1:B:138:LEU:HA	1:B:138:LEU:HD23	7	0.33
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	13	0.33
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	13	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	13	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	13	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	13	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	13	0.33
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	13	0.33
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	13	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	13	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	13	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	13	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	19	0.33
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	19	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	19	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	19	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	19	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	19	0.33
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	19	0.33
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	19	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	19	0.33
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	19	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	19	0.33
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	19	0.33
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD1	5	0.33
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD2	5	0.33
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD1	5	0.33
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD2	5	0.33
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD1	5	0.33
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD2	5	0.33
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE1	12	0.33
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE2	12	0.33
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE3	12	0.33
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	1	0.33
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	8	0.33
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	11	0.33
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	15	0.33
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	7	0.33
(1,588)	1:B:92:ARG:H	1:B:92:ARG:HB3	7	0.33
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	11	0.33
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	10	0.33
(1,2687)	1:B:6:ALA:HB1	1:B:49:GLN:HE22	11	0.33
(1,2687)	1:B:6:ALA:HB2	1:B:49:GLN:HE22	11	0.33
(1,2687)	1:B:6:ALA:HB3	1:B:49:GLN:HE22	11	0.33
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	7	0.33
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	7	0.33
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	7	0.33
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	14	0.33
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	14	0.33
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	14	0.33
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	14	0.33
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	14	0.33
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	14	0.33
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	15	0.33
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	15	0.33
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	13	0.33
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	13	0.33
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	13	0.33
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	8	0.33
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	8	0.33
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	8	0.33
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	8	0.33
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD11	1	0.33
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD12	1	0.33
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD13	1	0.33
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD11	3	0.33
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD12	3	0.33
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD13	3	0.33
(1,2386)	1:B:36:ILE:HB	1:B:33:VAL:HA	6	0.33
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	16	0.33
(1,2177)	1:B:50:ILE:HD11	1:B:37:LEU:HB3	11	0.33
(1,2177)	1:B:50:ILE:HD12	1:B:37:LEU:HB3	11	0.33
(1,2177)	1:B:50:ILE:HD13	1:B:37:LEU:HB3	11	0.33
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	9	0.33
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	9	0.33
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	9	0.33
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	14	0.33
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	14	0.33
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	14	0.33
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	17	0.33
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	17	0.33
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	17	0.33
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	3	0.33
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	3	0.33
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	3	0.33
(1,1969)	1:B:42:THR:HG21	1:B:13:GLU:HG3	20	0.33
(1,1969)	1:B:42:THR:HG22	1:B:13:GLU:HG3	20	0.33
(1,1969)	1:B:42:THR:HG23	1:B:13:GLU:HG3	20	0.33
(1,1969)	1:B:42:THR:HG21	1:B:13:GLU:HG2	20	0.33
(1,1969)	1:B:42:THR:HG22	1:B:13:GLU:HG2	20	0.33
(1,1969)	1:B:42:THR:HG23	1:B:13:GLU:HG2	20	0.33
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	13	0.33
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	13	0.33
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	13	0.33
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	13	0.33
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	13	0.33
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	13	0.33
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	13	0.33
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	13	0.33
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	13	0.33
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	13	0.33
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	13	0.33
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG11	7	0.33
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG12	7	0.33
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG13	7	0.33
(1,1695)	1:B:127:ARG:HD2	1:B:116:ASP:H	4	0.33
(1,1695)	1:B:127:ARG:HD3	1:B:116:ASP:H	4	0.33
(1,1644)	1:B:89:GLU:HG3	1:B:92:ARG:HD2	3	0.33
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE1	4	0.33
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE2	4	0.33
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	2	0.33
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	2	0.33
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	2	0.33
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	17	0.33
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	17	0.33
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	17	0.33
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	3	0.33
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	3	0.33
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	3	0.33
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	3	0.33
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	3	0.33
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	3	0.33
(1,1213)	1:B:115:VAL:HG11	1:B:130:LEU:HG	8	0.33
(1,1213)	1:B:115:VAL:HG12	1:B:130:LEU:HG	8	0.33
(1,1213)	1:B:115:VAL:HG13	1:B:130:LEU:HG	8	0.33
(1,1166)	1:B:119:LEU:HD11	1:B:119:LEU:HA	10	0.33
(1,1166)	1:B:119:LEU:HD12	1:B:119:LEU:HA	10	0.33
(1,1166)	1:B:119:LEU:HD13	1:B:119:LEU:HA	10	0.33
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	6	0.33
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	6	0.33
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	6	0.33
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	9	0.33
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	9	0.33
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	9	0.33
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	11	0.33
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	11	0.33
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD21	20	0.32
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD22	20	0.32
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD23	20	0.32
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD21	20	0.32
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD22	20	0.32
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD23	20	0.32
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD11	3	0.32
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD12	3	0.32
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD13	3	0.32
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD11	3	0.32
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD12	3	0.32
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD13	3	0.32
(3,585)	1:B:121:LEU:HD11	1:B:87:LEU:H	4	0.32
(3,585)	1:B:121:LEU:HD12	1:B:87:LEU:H	4	0.32
(3,585)	1:B:121:LEU:HD13	1:B:87:LEU:H	4	0.32
(3,585)	1:B:121:LEU:HD11	1:B:81:GLU:H	4	0.32
(3,585)	1:B:121:LEU:HD12	1:B:81:GLU:H	4	0.32
(3,585)	1:B:121:LEU:HD13	1:B:81:GLU:H	4	0.32
(3,585)	1:B:121:LEU:HD11	1:B:128:ARG:H	4	0.32
(3,585)	1:B:121:LEU:HD12	1:B:128:ARG:H	4	0.32
(3,585)	1:B:121:LEU:HD13	1:B:128:ARG:H	4	0.32
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	13	0.32
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	13	0.32
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	13	0.32
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	13	0.32
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	13	0.32
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	13	0.32
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	18	0.32
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	18	0.32
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	18	0.32
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	18	0.32
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	18	0.32
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	18	0.32
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	18	0.32
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	18	0.32
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	13	0.32
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB3	13	0.32
(3,318)	1:B:135:GLN:HE21	1:B:126:GLU:HG3	13	0.32
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD3	15	0.32
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD2	15	0.32
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD2	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD3	15	0.32
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HB2	16	0.32
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HB2	16	0.32
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HB2	16	0.32
(3,1887)	1:B:87:LEU:HD21	1:B:83:GLU:HG3	16	0.32
(3,1887)	1:B:87:LEU:HD22	1:B:83:GLU:HG3	16	0.32
(3,1887)	1:B:87:LEU:HD23	1:B:83:GLU:HG3	16	0.32
(3,1887)	1:B:87:LEU:HD21	1:B:89:GLU:HG2	16	0.32
(3,1887)	1:B:87:LEU:HD22	1:B:89:GLU:HG2	16	0.32
(3,1887)	1:B:87:LEU:HD23	1:B:89:GLU:HG2	16	0.32
(3,1887)	1:B:87:LEU:HD21	1:B:109:ARG:HD3	16	0.32
(3,1887)	1:B:87:LEU:HD22	1:B:109:ARG:HD3	16	0.32
(3,1887)	1:B:87:LEU:HD23	1:B:109:ARG:HD3	16	0.32
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	13	0.32
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	13	0.32
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	13	0.32
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	13	0.32
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	13	0.32
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	13	0.32
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	13	0.32
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	13	0.32
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	13	0.32
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	13	0.32
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	13	0.32
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	13	0.32
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	4	0.32
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	4	0.32
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	4	0.32
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	4	0.32
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	4	0.32
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	4	0.32
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	19	0.32
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	19	0.32
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	19	0.32
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	19	0.32
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	19	0.32
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	19	0.32
(3,1756)	1:B:18:ARG:HD3	1:B:18:ARG:HB3	10	0.32
(3,1756)	1:B:18:ARG:HD3	1:B:22:LEU:HG	10	0.32
(3,1659)	1:B:33:VAL:HB	1:B:33:VAL:H	6	0.32
(3,1659)	1:B:33:VAL:HB	1:B:34:GLU:H	6	0.32
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	4	0.32
(3,1565)	1:B:40:LEU:HB2	1:B:41:ASN:HB3	11	0.32
(3,1565)	1:B:40:LEU:HB2	1:B:45:ARG:HD3	11	0.32
(3,1565)	1:B:22:LEU:HB2	1:B:26:ASP:HB2	11	0.32
(3,1565)	1:B:40:LEU:HB2	1:B:53:HIS:HB3	11	0.32
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	8	0.32
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	8	0.32
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	8	0.32
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	8	0.32
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	8	0.32
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	8	0.32
(3,1348)	1:B:30:GLN:HG3	1:B:31:ASP:HB3	7	0.32
(3,1348)	1:B:56:GLN:HG2	1:B:53:HIS:HB3	7	0.32
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	9	0.32
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	9	0.32
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	9	0.32
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	9	0.32
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	9	0.32
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	9	0.32
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	9	0.32
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	9	0.32
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	9	0.32
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	9	0.32
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	9	0.32
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	9	0.32
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	2	0.32
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	2	0.32
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	2	0.32
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	2	0.32
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	2	0.32
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	2	0.32
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	2	0.32
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	2	0.32
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	2	0.32
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	2	0.32
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	2	0.32
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	2	0.32
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	2	0.32
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	2	0.32
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	2	0.32
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	4	0.32
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	4	0.32
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	4	0.32
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	4	0.32
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	4	0.32
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	4	0.32
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	4	0.32
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	4	0.32
(3,1227)	1:B:71:THR:HB	1:B:121:LEU:HB3	13	0.32
(3,1227)	1:B:71:THR:HB	1:B:73:ILE:HG13	13	0.32
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	1	0.32
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	1	0.32
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	1	0.32
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	1	0.32
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	1	0.32
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	1	0.32
(3,1178)	1:B:27:VAL:HG21	1:B:30:GLN:HE21	18	0.32
(3,1178)	1:B:27:VAL:HG22	1:B:30:GLN:HE21	18	0.32
(3,1178)	1:B:27:VAL:HG23	1:B:30:GLN:HE21	18	0.32
(3,1178)	1:B:74:VAL:HG11	1:B:76:TRP:HZ3	18	0.32
(3,1178)	1:B:74:VAL:HG12	1:B:76:TRP:HZ3	18	0.32
(3,1178)	1:B:74:VAL:HG13	1:B:76:TRP:HZ3	18	0.32
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	15	0.32
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	15	0.32
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	15	0.32
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	8	0.32
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	8	0.32
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	8	0.32
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	8	0.32
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	8	0.32
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	8	0.32
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	1	0.32
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	1	0.32
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	1	0.32
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	1	0.32
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	1	0.32
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	1	0.32
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	1	0.32
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	1	0.32
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	1	0.32
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	12	0.32
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	12	0.32
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE2	16	0.32
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE2	16	0.32
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE2	16	0.32
(1,899)	1:B:138:LEU:HD11	1:B:136:LYS:HE3	16	0.32
(1,899)	1:B:138:LEU:HD12	1:B:136:LYS:HE3	16	0.32
(1,899)	1:B:138:LEU:HD13	1:B:136:LYS:HE3	16	0.32
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD1	8	0.32
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD2	8	0.32
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD1	8	0.32
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD2	8	0.32
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD1	8	0.32
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD2	8	0.32
(1,859)	1:B:63:VAL:HA	1:B:66:PHE:HD1	2	0.32
(1,859)	1:B:63:VAL:HA	1:B:66:PHE:HD2	2	0.32
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	18	0.32
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	18	0.32
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	18	0.32
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	18	0.32
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	18	0.32
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	18	0.32
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG3	20	0.32
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG2	20	0.32
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	11	0.32
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	11	0.32
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	18	0.32
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG2	6	0.32
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG3	6	0.32
(1,608)	1:B:94:SER:H	1:B:91:PHE:HA	4	0.32
(1,54)	1:B:13:GLU:H	1:B:12:GLU:HB3	17	0.32
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	9	0.32
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	12	0.32
(1,2701)	1:B:118:LEU:HD11	1:B:88:PHE:HB3	12	0.32
(1,2701)	1:B:118:LEU:HD12	1:B:88:PHE:HB3	12	0.32
(1,2701)	1:B:118:LEU:HD13	1:B:88:PHE:HB3	12	0.32
(1,2619)	1:B:11:PRO:HA	1:B:14:GLU:HB2	1	0.32
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	5	0.32
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	5	0.32
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	5	0.32
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD11	18	0.32
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD12	18	0.32
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD13	18	0.32
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HB	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HG13	20	0.32
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	7	0.32
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	7	0.32
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	7	0.32
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	7	0.32
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	7	0.32
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	7	0.32
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	7	0.32
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	7	0.32
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	7	0.32
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	11	0.32
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	11	0.32
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	11	0.32
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	11	0.32
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	11	0.32
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	11	0.32
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	11	0.32
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	11	0.32
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	11	0.32
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG21	8	0.32
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG22	8	0.32
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG23	8	0.32
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG21	8	0.32
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG22	8	0.32
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG23	8	0.32
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG21	8	0.32
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG22	8	0.32
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG23	8	0.32
(1,2221)	1:B:46:THR:HG21	1:B:49:GLN:HB2	18	0.32
(1,2221)	1:B:46:THR:HG22	1:B:49:GLN:HB2	18	0.32
(1,2221)	1:B:46:THR:HG23	1:B:49:GLN:HB2	18	0.32
(1,2221)	1:B:46:THR:HG21	1:B:49:GLN:HB3	18	0.32
(1,2221)	1:B:46:THR:HG22	1:B:49:GLN:HB3	18	0.32
(1,2221)	1:B:46:THR:HG23	1:B:49:GLN:HB3	18	0.32
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	5	0.32
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	5	0.32
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	5	0.32
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	8	0.32
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	8	0.32
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	8	0.32
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	18	0.32
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	18	0.32
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	20	0.32
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	20	0.32
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	20	0.32
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	5	0.32
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	5	0.32
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	5	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	5	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	5	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	5	0.32
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	5	0.32
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	5	0.32
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	5	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	5	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	5	0.32
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	5	0.32
(1,1881)	1:B:133:LYS:HA	1:B:131:TYR:HB2	2	0.32
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD2	8	0.32
(1,1541)	1:B:95:ASP:HA	1:B:132:LYS:HD3	8	0.32
(1,1511)	1:B:37:LEU:HB3	1:B:36:ILE:H	17	0.32
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE2	12	0.32
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE2	12	0.32
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE2	12	0.32
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE3	12	0.32
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE3	12	0.32
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE3	12	0.32
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	5	0.32
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	5	0.32
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	5	0.32
(1,1282)	1:B:114:ILE:HD11	1:B:76:TRP:HH2	10	0.32
(1,1282)	1:B:114:ILE:HD12	1:B:76:TRP:HH2	10	0.32
(1,1282)	1:B:114:ILE:HD13	1:B:76:TRP:HH2	10	0.32
(1,1224)	1:B:87:LEU:HD11	1:B:101:ILE:HA	11	0.32
(1,1224)	1:B:87:LEU:HD12	1:B:101:ILE:HA	11	0.32
(1,1224)	1:B:87:LEU:HD13	1:B:101:ILE:HA	11	0.32
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD3	8	0.32
(1,1019)	1:B:126:GLU:HB2	1:B:128:ARG:HD2	8	0.32
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	20	0.31
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	20	0.31
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	20	0.31
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	20	0.31
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	20	0.31
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	20	0.31
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	20	0.31
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	20	0.31
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	5	0.31
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	5	0.31
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	5	0.31
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	5	0.31
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	5	0.31
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	5	0.31
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	13	0.31
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	13	0.31
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	13	0.31
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	13	0.31
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	13	0.31
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	13	0.31
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG11	5	0.31
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG12	5	0.31
(3,807)	1:B:107:ALA:HB1	1:B:74:VAL:HG13	5	0.31
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG11	5	0.31
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG12	5	0.31
(3,807)	1:B:107:ALA:HB2	1:B:74:VAL:HG13	5	0.31
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG11	5	0.31
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG12	5	0.31
(3,807)	1:B:107:ALA:HB3	1:B:74:VAL:HG13	5	0.31
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG21	5	0.31
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG22	5	0.31
(3,807)	1:B:107:ALA:HB1	1:B:73:ILE:HG23	5	0.31
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG21	5	0.31
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG22	5	0.31
(3,807)	1:B:107:ALA:HB2	1:B:73:ILE:HG23	5	0.31
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG21	5	0.31
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG22	5	0.31
(3,807)	1:B:107:ALA:HB3	1:B:73:ILE:HG23	5	0.31
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	20	0.31
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	20	0.31
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	20	0.31
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	20	0.31
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	20	0.31
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	20	0.31
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	20	0.31
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	20	0.31
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	20	0.31
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	20	0.31
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	20	0.31
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	20	0.31
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	20	0.31
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	20	0.31
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	20	0.31
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD3	1	0.31
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD2	1	0.31
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD2	1	0.31
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD3	1	0.31
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD3	10	0.31
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD2	10	0.31
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD2	10	0.31
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD3	10	0.31
(3,210)	1:B:93:ASP:H	1:B:92:ARG:HD3	3	0.31
(3,210)	1:B:93:ASP:H	1:B:88:PHE:HB2	3	0.31
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	11	0.31
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	11	0.31
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	11	0.31
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	11	0.31
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	11	0.31
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	11	0.31
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	11	0.31
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	11	0.31
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	11	0.31
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	11	0.31
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	11	0.31
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	11	0.31
(3,1770)	1:B:17:LEU:HD21	1:B:14:GLU:HB2	4	0.31
(3,1770)	1:B:17:LEU:HD22	1:B:14:GLU:HB2	4	0.31
(3,1770)	1:B:17:LEU:HD23	1:B:14:GLU:HB2	4	0.31
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG3	4	0.31
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG3	4	0.31
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG3	4	0.31
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG2	4	0.31
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG2	4	0.31
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG2	4	0.31
(3,1770)	1:B:17:LEU:HD21	1:B:33:VAL:HB	4	0.31
(3,1770)	1:B:17:LEU:HD22	1:B:33:VAL:HB	4	0.31
(3,1770)	1:B:17:LEU:HD23	1:B:33:VAL:HB	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1679)	1:B:30:GLN:HB3	1:B:27:VAL:H	3	0.31
(3,1679)	1:B:30:GLN:HB3	1:B:24:ASN:H	3	0.31
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	14	0.31
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	14	0.31
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	14	0.31
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	14	0.31
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	14	0.31
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	14	0.31
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	16	0.31
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	16	0.31
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	16	0.31
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	16	0.31
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	16	0.31
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	16	0.31
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	16	0.31
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	16	0.31
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	16	0.31
(3,1185)	1:B:73:ILE:HD11	1:B:80:GLN:HB2	2	0.31
(3,1185)	1:B:73:ILE:HD12	1:B:80:GLN:HB2	2	0.31
(3,1185)	1:B:73:ILE:HD13	1:B:80:GLN:HB2	2	0.31
(3,1185)	1:B:73:ILE:HD11	1:B:83:GLU:HB2	2	0.31
(3,1185)	1:B:73:ILE:HD12	1:B:83:GLU:HB2	2	0.31
(3,1185)	1:B:73:ILE:HD13	1:B:83:GLU:HB2	2	0.31
(3,1185)	1:B:73:ILE:HD11	1:B:109:ARG:HD3	2	0.31
(3,1185)	1:B:73:ILE:HD12	1:B:109:ARG:HD3	2	0.31
(3,1185)	1:B:73:ILE:HD13	1:B:109:ARG:HD3	2	0.31
(3,1185)	1:B:73:ILE:HD11	1:B:89:GLU:HG2	2	0.31
(3,1185)	1:B:73:ILE:HD12	1:B:89:GLU:HG2	2	0.31
(3,1185)	1:B:73:ILE:HD13	1:B:89:GLU:HG2	2	0.31
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	17	0.31
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	17	0.31
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	17	0.31
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	17	0.31
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	17	0.31
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	17	0.31
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	17	0.31
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	14	0.31
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	14	0.31
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	14	0.31
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	14	0.31
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	14	0.31
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	14	0.31
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	14	0.31
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	14	0.31
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	14	0.31
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	14	0.31
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	14	0.31
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	20	0.31
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	20	0.31
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	20	0.31
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	20	0.31
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	20	0.31
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	20	0.31
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	20	0.31
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	20	0.31
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	20	0.31
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	20	0.31
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	20	0.31
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	20	0.31
(1,837)	1:B:45:ARG:HE	1:B:53:HIS:HD2	15	0.31
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG3	2	0.31
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG2	2	0.31
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	5	0.31
(1,2751)	1:B:108:LYS:HG2	1:B:108:LYS:H	20	0.31
(1,2710)	1:B:87:LEU:HD11	1:B:104:ASN:HB2	16	0.31
(1,2710)	1:B:87:LEU:HD12	1:B:104:ASN:HB2	16	0.31
(1,2710)	1:B:87:LEU:HD13	1:B:104:ASN:HB2	16	0.31
(1,2651)	1:B:9:TRP:HZ2	1:B:49:GLN:HG2	9	0.31
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	2	0.31
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	2	0.31
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	2	0.31
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	7	0.31
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	7	0.31
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	7	0.31
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	8	0.31
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	8	0.31
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	8	0.31
(1,2562)	1:B:17:LEU:HD11	1:B:9:TRP:HH2	11	0.31
(1,2562)	1:B:17:LEU:HD12	1:B:9:TRP:HH2	11	0.31
(1,2562)	1:B:17:LEU:HD13	1:B:9:TRP:HH2	11	0.31
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD21	10	0.31
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD22	10	0.31
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD23	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD21	10	0.31
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD22	10	0.31
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD23	10	0.31
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD21	10	0.31
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD22	10	0.31
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD23	10	0.31
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	12	0.31
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	12	0.31
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	12	0.31
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	12	0.31
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	12	0.31
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	12	0.31
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	12	0.31
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	12	0.31
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	12	0.31
(1,2386)	1:B:36:ILE:HB	1:B:33:VAL:HA	4	0.31
(1,2380)	1:B:37:LEU:HB3	1:B:37:LEU:H	18	0.31
(1,2296)	1:B:43:VAL:HG21	1:B:44:PRO:HD2	18	0.31
(1,2296)	1:B:43:VAL:HG22	1:B:44:PRO:HD2	18	0.31
(1,2296)	1:B:43:VAL:HG23	1:B:44:PRO:HD2	18	0.31
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	14	0.31
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	14	0.31
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	14	0.31
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	14	0.31
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	14	0.31
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	14	0.31
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD11	11	0.31
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD12	11	0.31
(1,2170)	1:B:127:ARG:HG3	1:B:119:LEU:HD13	11	0.31
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	11	0.31
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	11	0.31
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	11	0.31
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	10	0.31
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	10	0.31
(1,1805)	1:B:74:VAL:HG11	1:B:117:LYS:HD3	1	0.31
(1,1805)	1:B:74:VAL:HG12	1:B:117:LYS:HD3	1	0.31
(1,1805)	1:B:74:VAL:HG13	1:B:117:LYS:HD3	1	0.31
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	5	0.31
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	19	0.31
(1,1734)	1:B:85:GLN:HG3	1:B:88:PHE:HB3	7	0.31
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	11	0.31
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	11	0.31
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	11	0.31
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	15	0.31
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	15	0.31
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	15	0.31
(1,1531)	1:B:97:VAL:HG11	1:B:88:PHE:HE1	13	0.31
(1,1531)	1:B:97:VAL:HG11	1:B:88:PHE:HE2	13	0.31
(1,1531)	1:B:97:VAL:HG12	1:B:88:PHE:HE1	13	0.31
(1,1531)	1:B:97:VAL:HG12	1:B:88:PHE:HE2	13	0.31
(1,1531)	1:B:97:VAL:HG13	1:B:88:PHE:HE1	13	0.31
(1,1531)	1:B:97:VAL:HG13	1:B:88:PHE:HE2	13	0.31
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	16	0.31
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	16	0.31
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	16	0.31
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	16	0.31
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	16	0.31
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	16	0.31
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	16	0.31
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	16	0.31
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	16	0.31
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	11	0.31
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	8	0.31
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	8	0.31
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD11	5	0.31
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD12	5	0.31
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD13	5	0.31
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD11	5	0.31
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD12	5	0.31
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD13	5	0.31
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD11	5	0.31
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD12	5	0.31
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD13	5	0.31
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD21	5	0.31
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD22	5	0.31
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD23	5	0.31
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD21	5	0.31
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD22	5	0.31
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD23	5	0.31
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD21	5	0.31
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD22	5	0.31
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD23	5	0.31
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	3	0.31
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	3	0.31
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	16	0.31
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	16	0.31
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	16	0.31
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG11	20	0.31
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG12	20	0.31
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG13	20	0.31
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG21	20	0.31
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG22	20	0.31
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG23	20	0.31
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD11	14	0.31
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD12	14	0.31
(1,1335)	1:B:84:LEU:HG	1:B:118:LEU:HD13	14	0.31
(1,1286)	1:B:114:ILE:HD11	1:B:109:ARG:HD2	11	0.31
(1,1286)	1:B:114:ILE:HD12	1:B:109:ARG:HD2	11	0.31
(1,1286)	1:B:114:ILE:HD13	1:B:109:ARG:HD2	11	0.31
(1,1263)	1:B:114:ILE:HG21	1:B:84:LEU:HD21	7	0.31
(1,1263)	1:B:114:ILE:HG21	1:B:84:LEU:HD22	7	0.31
(1,1263)	1:B:114:ILE:HG21	1:B:84:LEU:HD23	7	0.31
(1,1263)	1:B:114:ILE:HG22	1:B:84:LEU:HD21	7	0.31
(1,1263)	1:B:114:ILE:HG22	1:B:84:LEU:HD22	7	0.31
(1,1263)	1:B:114:ILE:HG22	1:B:84:LEU:HD23	7	0.31
(1,1263)	1:B:114:ILE:HG23	1:B:84:LEU:HD21	7	0.31
(1,1263)	1:B:114:ILE:HG23	1:B:84:LEU:HD22	7	0.31
(1,1263)	1:B:114:ILE:HG23	1:B:84:LEU:HD23	7	0.31
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	1	0.31
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	1	0.31
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	1	0.31
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	1	0.31
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	1	0.31
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	1	0.31
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	6	0.31
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	6	0.31
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	6	0.31
(1,1178)	1:B:119:LEU:HG	1:B:126:GLU:H	20	0.31
(1,1081)	1:B:124:VAL:HG21	1:B:126:GLU:H	3	0.31
(1,1081)	1:B:124:VAL:HG22	1:B:126:GLU:H	3	0.31
(1,1081)	1:B:124:VAL:HG23	1:B:126:GLU:H	3	0.31
(1,1035)	1:B:126:GLU:HG2	1:B:128:ARG:HD3	3	0.31
(1,1035)	1:B:126:GLU:HG2	1:B:128:ARG:HD2	3	0.31
(3,960)	1:B:92:ARG:HD2	1:B:123:LEU:HD11	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,960)	1:B:92:ARG:HD2	1:B:123:LEU:HD12	6	0.3
(3,960)	1:B:92:ARG:HD2	1:B:123:LEU:HD13	6	0.3
(3,960)	1:B:92:ARG:HD2	1:B:118:LEU:HD21	6	0.3
(3,960)	1:B:92:ARG:HD2	1:B:118:LEU:HD22	6	0.3
(3,960)	1:B:92:ARG:HD2	1:B:118:LEU:HD23	6	0.3
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	9	0.3
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	9	0.3
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	9	0.3
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	9	0.3
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	9	0.3
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	9	0.3
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	9	0.3
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	9	0.3
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	9	0.3
(3,923)	1:B:97:VAL:HB	1:B:92:ARG:HA	5	0.3
(3,923)	1:B:44:PRO:HB3	1:B:44:PRO:HD2	5	0.3
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	10	0.3
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	10	0.3
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	10	0.3
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	10	0.3
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	10	0.3
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	10	0.3
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG21	14	0.3
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG22	14	0.3
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG23	14	0.3
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG21	14	0.3
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG22	14	0.3
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG23	14	0.3
(3,725)	1:B:18:ARG:HB2	1:B:59:LEU:HD11	11	0.3
(3,725)	1:B:18:ARG:HB2	1:B:59:LEU:HD12	11	0.3
(3,725)	1:B:18:ARG:HB2	1:B:59:LEU:HD13	11	0.3
(3,725)	1:B:47:ARG:HB2	1:B:37:LEU:HD21	11	0.3
(3,725)	1:B:47:ARG:HB2	1:B:37:LEU:HD22	11	0.3
(3,725)	1:B:47:ARG:HB2	1:B:37:LEU:HD23	11	0.3
(3,725)	1:B:47:ARG:HB3	1:B:37:LEU:HD21	11	0.3
(3,725)	1:B:47:ARG:HB3	1:B:37:LEU:HD22	11	0.3
(3,725)	1:B:47:ARG:HB3	1:B:37:LEU:HD23	11	0.3
(3,725)	1:B:127:ARG:HB2	1:B:119:LEU:HD21	11	0.3
(3,725)	1:B:127:ARG:HB2	1:B:119:LEU:HD22	11	0.3
(3,725)	1:B:127:ARG:HB2	1:B:119:LEU:HD23	11	0.3
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	10	0.3
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	10	0.3
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	10	0.3
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	10	0.3
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	10	0.3
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	10	0.3
(3,558)	1:B:84:LEU:HD21	1:B:118:LEU:HA	3	0.3
(3,558)	1:B:84:LEU:HD22	1:B:118:LEU:HA	3	0.3
(3,558)	1:B:84:LEU:HD23	1:B:118:LEU:HA	3	0.3
(3,558)	1:B:84:LEU:HD21	1:B:101:ILE:HA	3	0.3
(3,558)	1:B:84:LEU:HD22	1:B:101:ILE:HA	3	0.3
(3,558)	1:B:84:LEU:HD23	1:B:101:ILE:HA	3	0.3
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	20	0.3
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	20	0.3
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	20	0.3
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	20	0.3
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	20	0.3
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	20	0.3
(3,525)	1:B:126:GLU:HG2	1:B:124:VAL:HA	7	0.3
(3,525)	1:B:126:GLU:HG2	1:B:130:LEU:HA	7	0.3
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	9	0.3
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	9	0.3
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	9	0.3
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	9	0.3
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	9	0.3
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	9	0.3
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	9	0.3
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	9	0.3
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	9	0.3
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	18	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	18	0.3
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	18	0.3
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	18	0.3
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	18	0.3
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	18	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	18	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	18	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	18	0.3
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	18	0.3
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	18	0.3
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	18	0.3
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	20	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	20	0.3
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	20	0.3
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	20	0.3
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	20	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	20	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	20	0.3
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	20	0.3
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	20	0.3
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	20	0.3
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	20	0.3
(3,1756)	1:B:18:ARG:HD3	1:B:18:ARG:HB3	14	0.3
(3,1756)	1:B:18:ARG:HD3	1:B:22:LEU:HG	14	0.3
(3,1756)	1:B:18:ARG:HD3	1:B:18:ARG:HB3	16	0.3
(3,1756)	1:B:18:ARG:HD3	1:B:22:LEU:HG	16	0.3
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	9	0.3
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	9	0.3
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	9	0.3
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	9	0.3
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	9	0.3
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	9	0.3
(3,1565)	1:B:40:LEU:HB2	1:B:41:ASN:HB3	13	0.3
(3,1565)	1:B:40:LEU:HB2	1:B:45:ARG:HD3	13	0.3
(3,1565)	1:B:22:LEU:HB2	1:B:26:ASP:HB2	13	0.3
(3,1565)	1:B:40:LEU:HB2	1:B:53:HIS:HB3	13	0.3
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	1	0.3
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	1	0.3
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	1	0.3
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	1	0.3
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	1	0.3
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	1	0.3
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	1	0.3
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	1	0.3
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	1	0.3
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	1	0.3
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	1	0.3
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	1	0.3
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	1	0.3
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	1	0.3
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	1	0.3
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	1	0.3
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	1	0.3
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	1	0.3
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	1	0.3
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	1	0.3
(3,1261)	1:B:65:ASP:HB3	1:B:63:VAL:HG11	12	0.3
(3,1261)	1:B:65:ASP:HB3	1:B:63:VAL:HG12	12	0.3
(3,1261)	1:B:65:ASP:HB3	1:B:63:VAL:HG13	12	0.3
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG11	12	0.3
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG12	12	0.3
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG13	12	0.3
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG21	12	0.3
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG22	12	0.3
(3,1261)	1:B:65:ASP:HB3	1:B:33:VAL:HG23	12	0.3
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	15	0.3
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	15	0.3
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	15	0.3
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	19	0.3
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	19	0.3
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	19	0.3
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	19	0.3
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	19	0.3
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	19	0.3
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	19	0.3
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	19	0.3
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	19	0.3
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	6	0.3
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	6	0.3
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	6	0.3
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	6	0.3
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	6	0.3
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	6	0.3
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	6	0.3
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	6	0.3
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	6	0.3
(3,1217)	1:B:72:HIS:HD2	1:B:74:VAL:H	18	0.3
(3,1217)	1:B:72:HIS:HD2	1:B:118:LEU:H	18	0.3
(3,1163)	1:B:40:LEU:HD21	1:B:45:ARG:HD3	11	0.3
(3,1163)	1:B:40:LEU:HD22	1:B:45:ARG:HD3	11	0.3
(3,1163)	1:B:40:LEU:HD23	1:B:45:ARG:HD3	11	0.3
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB2	11	0.3
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB2	11	0.3
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB2	11	0.3
(3,1163)	1:B:40:LEU:HD21	1:B:41:ASN:HB3	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1163)	1:B:40:LEU:HD22	1:B:41:ASN:HB3	11	0.3
(3,1163)	1:B:40:LEU:HD23	1:B:41:ASN:HB3	11	0.3
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	2	0.3
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	2	0.3
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	2	0.3
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	2	0.3
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	2	0.3
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	2	0.3
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	2	0.3
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	2	0.3
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	2	0.3
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	2	0.3
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	2	0.3
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	2	0.3
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	2	0.3
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	2	0.3
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	2	0.3
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	2	0.3
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	2	0.3
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	2	0.3
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	8	0.3
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	8	0.3
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	8	0.3
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	12	0.3
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	12	0.3
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	12	0.3
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	12	0.3
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	12	0.3
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	12	0.3
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	12	0.3
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	12	0.3
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	12	0.3
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	7	0.3
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	7	0.3
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	7	0.3
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	13	0.3
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	13	0.3
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	13	0.3
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	8	0.3
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	8	0.3
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	8	0.3
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	9	0.3
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	9	0.3
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	1	0.3
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	1	0.3
(1,891)	1:B:40:LEU:HD11	1:B:17:LEU:HA	16	0.3
(1,891)	1:B:40:LEU:HD12	1:B:17:LEU:HA	16	0.3
(1,891)	1:B:40:LEU:HD13	1:B:17:LEU:HA	16	0.3
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	19	0.3
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG2	13	0.3
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG3	13	0.3
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	19	0.3
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	9	0.3
(1,54)	1:B:13:GLU:H	1:B:12:GLU:HB3	15	0.3
(1,46)	1:B:12:GLU:H	1:B:12:GLU:HB2	4	0.3
(1,449)	1:B:68:ARG:H	1:B:67:GLN:HB3	16	0.3
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	9	0.3
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	10	0.3
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	18	0.3
(1,2754)	1:B:109:ARG:HD2	1:B:114:ILE:H	9	0.3
(1,2751)	1:B:108:LYS:HG2	1:B:108:LYS:H	17	0.3
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	2	0.3
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	6	0.3
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	6	0.3
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	6	0.3
(1,252)	1:B:40:LEU:H	1:B:40:LEU:HB3	6	0.3
(1,252)	1:B:40:LEU:H	1:B:40:LEU:HB3	10	0.3
(1,252)	1:B:40:LEU:H	1:B:40:LEU:HB3	14	0.3
(1,248)	1:B:40:LEU:H	1:B:37:LEU:HA	11	0.3
(1,2383)	1:B:36:ILE:HA	1:B:20:LEU:HG	15	0.3
(1,2380)	1:B:37:LEU:HB3	1:B:37:LEU:H	3	0.3
(1,2380)	1:B:37:LEU:HB3	1:B:37:LEU:H	7	0.3
(1,2380)	1:B:37:LEU:HB3	1:B:37:LEU:H	13	0.3
(1,2380)	1:B:37:LEU:HB3	1:B:37:LEU:H	19	0.3
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	4	0.3
(1,2294)	1:B:43:VAL:HG11	1:B:44:PRO:HD2	11	0.3
(1,2294)	1:B:43:VAL:HG12	1:B:44:PRO:HD2	11	0.3
(1,2294)	1:B:43:VAL:HG13	1:B:44:PRO:HD2	11	0.3
(1,2293)	1:B:43:VAL:HB	1:B:44:PRO:HD2	3	0.3
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	2	0.3
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	2	0.3
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	2	0.3
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	20	0.3
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	20	0.3
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	2	0.3
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	2	0.3
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	2	0.3
(1,1970)	1:B:42:THR:HG21	1:B:45:ARG:HD2	3	0.3
(1,1970)	1:B:42:THR:HG22	1:B:45:ARG:HD2	3	0.3
(1,1970)	1:B:42:THR:HG23	1:B:45:ARG:HD2	3	0.3
(1,1914)	1:B:64:LYS:HD2	1:B:64:LYS:HA	19	0.3
(1,1914)	1:B:64:LYS:HD3	1:B:64:LYS:HA	19	0.3
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	19	0.3
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	19	0.3
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	19	0.3
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	19	0.3
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	19	0.3
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	19	0.3
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	19	0.3
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	19	0.3
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	19	0.3
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	19	0.3
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	19	0.3
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	19	0.3
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	3	0.3
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	3	0.3
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	3	0.3
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	1	0.3
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	1	0.3
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	1	0.3
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	7	0.3
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	7	0.3
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	7	0.3
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG11	2	0.3
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG12	2	0.3
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG13	2	0.3
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	4	0.3
(1,1592)	1:B:92:ARG:HD3	1:B:88:PHE:HE1	16	0.3
(1,1592)	1:B:92:ARG:HD3	1:B:88:PHE:HE2	16	0.3
(1,1558)	1:B:92:ARG:HD2	1:B:89:GLU:HB2	20	0.3
(1,1511)	1:B:37:LEU:HB3	1:B:36:ILE:H	14	0.3
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	1	0.3
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	1	0.3
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	6	0.3
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	9	0.3
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	9	0.3
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	9	0.3
(1,1239)	1:B:63:VAL:HB	1:B:66:PHE:HD1	2	0.3
(1,1239)	1:B:63:VAL:HB	1:B:66:PHE:HD2	2	0.3
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	16	0.3
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	16	0.3
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	16	0.3
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG21	1	0.3
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG22	1	0.3
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG23	1	0.3
(1,1178)	1:B:119:LEU:HG	1:B:126:GLU:H	8	0.3
(3,863)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	8	0.29
(3,863)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	8	0.29
(3,863)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	8	0.29
(3,863)	1:B:36:ILE:HD11	1:B:54:LEU:HG	8	0.29
(3,863)	1:B:36:ILE:HD12	1:B:54:LEU:HG	8	0.29
(3,863)	1:B:36:ILE:HD13	1:B:54:LEU:HG	8	0.29
(3,863)	1:B:105:ILE:HD11	1:B:109:ARG:HB2	8	0.29
(3,863)	1:B:105:ILE:HD12	1:B:109:ARG:HB2	8	0.29
(3,863)	1:B:105:ILE:HD13	1:B:109:ARG:HB2	8	0.29
(3,863)	1:B:101:ILE:HD11	1:B:111:ARG:HG2	8	0.29
(3,863)	1:B:101:ILE:HD12	1:B:111:ARG:HG2	8	0.29
(3,863)	1:B:101:ILE:HD13	1:B:111:ARG:HG2	8	0.29
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	1	0.29
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	1	0.29
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	1	0.29
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	1	0.29
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	1	0.29
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	1	0.29
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB3	3	0.29
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB3	3	0.29
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB3	3	0.29
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB2	3	0.29
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB2	3	0.29
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB2	3	0.29
(3,825)	1:B:105:ILE:HG21	1:B:111:ARG:HG2	3	0.29
(3,825)	1:B:105:ILE:HG22	1:B:111:ARG:HG2	3	0.29
(3,825)	1:B:105:ILE:HG23	1:B:111:ARG:HG2	3	0.29
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	4	0.29
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	4	0.29
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	4	0.29
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	4	0.29
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	4	0.29
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	16	0.29
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	16	0.29
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	16	0.29
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	16	0.29
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	16	0.29
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	16	0.29
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	16	0.29
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	16	0.29
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	16	0.29
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	16	0.29
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	16	0.29
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	16	0.29
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE1	17	0.29
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE2	17	0.29
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE3	17	0.29
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE1	17	0.29
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE2	17	0.29
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE3	17	0.29
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE1	17	0.29
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE2	17	0.29
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE3	17	0.29
(3,734)	1:B:114:ILE:HG21	1:B:115:VAL:HB	17	0.29
(3,734)	1:B:114:ILE:HG22	1:B:115:VAL:HB	17	0.29
(3,734)	1:B:114:ILE:HG23	1:B:115:VAL:HB	17	0.29
(3,697)	1:B:115:VAL:HG21	1:B:116:ASP:HA	20	0.29
(3,697)	1:B:115:VAL:HG22	1:B:116:ASP:HA	20	0.29
(3,697)	1:B:115:VAL:HG23	1:B:116:ASP:HA	20	0.29
(3,697)	1:B:115:VAL:HG21	1:B:113:ARG:HA	20	0.29
(3,697)	1:B:115:VAL:HG22	1:B:113:ARG:HA	20	0.29
(3,697)	1:B:115:VAL:HG23	1:B:113:ARG:HA	20	0.29
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	1	0.29
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	1	0.29
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	1	0.29
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	1	0.29
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	1	0.29
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	1	0.29
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	1	0.29
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	1	0.29
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	7	0.29
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	7	0.29
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD2	8	0.29
(3,480)	1:B:131:TYR:HB3	1:B:133:LYS:HD3	8	0.29
(3,480)	1:B:131:TYR:HB3	1:B:130:LEU:HB3	8	0.29
(3,378)	1:B:22:LEU:HD11	1:B:18:ARG:HD2	19	0.29
(3,378)	1:B:22:LEU:HD12	1:B:18:ARG:HD2	19	0.29
(3,378)	1:B:22:LEU:HD13	1:B:18:ARG:HD2	19	0.29
(3,378)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	19	0.29
(3,378)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	19	0.29
(3,378)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	19	0.29
(3,378)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	19	0.29
(3,378)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	19	0.29
(3,378)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	19	0.29
(3,367)	1:B:98:LEU:HD11	1:B:98:LEU:HA	5	0.29
(3,367)	1:B:98:LEU:HD12	1:B:98:LEU:HA	5	0.29
(3,367)	1:B:98:LEU:HD13	1:B:98:LEU:HA	5	0.29
(3,367)	1:B:98:LEU:HD11	1:B:111:ARG:HA	5	0.29
(3,367)	1:B:98:LEU:HD12	1:B:111:ARG:HA	5	0.29
(3,367)	1:B:98:LEU:HD13	1:B:111:ARG:HA	5	0.29
(3,367)	1:B:98:LEU:HD11	1:B:98:LEU:HA	18	0.29
(3,367)	1:B:98:LEU:HD12	1:B:98:LEU:HA	18	0.29
(3,367)	1:B:98:LEU:HD13	1:B:98:LEU:HA	18	0.29
(3,367)	1:B:98:LEU:HD11	1:B:111:ARG:HA	18	0.29
(3,367)	1:B:98:LEU:HD12	1:B:111:ARG:HA	18	0.29
(3,367)	1:B:98:LEU:HD13	1:B:111:ARG:HA	18	0.29
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	18	0.29
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	18	0.29
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	18	0.29
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	18	0.29
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	18	0.29
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	18	0.29
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	18	0.29
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	18	0.29
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	18	0.29
(3,356)	1:B:82:LEU:HD21	1:B:85:GLN:HE22	7	0.29
(3,356)	1:B:82:LEU:HD22	1:B:85:GLN:HE22	7	0.29
(3,356)	1:B:82:LEU:HD23	1:B:85:GLN:HE22	7	0.29
(3,356)	1:B:130:LEU:HD21	1:B:88:PHE:HE1	7	0.29
(3,356)	1:B:130:LEU:HD21	1:B:88:PHE:HE2	7	0.29
(3,356)	1:B:130:LEU:HD22	1:B:88:PHE:HE1	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,356)	1:B:130:LEU:HD22	1:B:88:PHE:HE2	7	0.29
(3,356)	1:B:130:LEU:HD23	1:B:88:PHE:HE1	7	0.29
(3,356)	1:B:130:LEU:HD23	1:B:88:PHE:HE2	7	0.29
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HG	5	0.29
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HG	5	0.29
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB2	5	0.29
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB2	5	0.29
(3,335)	1:B:141:SER:HB3	1:B:138:LEU:HB3	5	0.29
(3,335)	1:B:141:SER:HB2	1:B:138:LEU:HB3	5	0.29
(3,335)	1:B:141:SER:HB2	1:B:130:LEU:HG	5	0.29
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	2	0.29
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	2	0.29
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	2	0.29
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	2	0.29
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	2	0.29
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	2	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	7	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	7	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	7	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	7	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	7	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	7	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	17	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	17	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	17	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	17	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	17	0.29
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	17	0.29
(3,1770)	1:B:17:LEU:HD21	1:B:14:GLU:HB2	19	0.29
(3,1770)	1:B:17:LEU:HD22	1:B:14:GLU:HB2	19	0.29
(3,1770)	1:B:17:LEU:HD23	1:B:14:GLU:HB2	19	0.29
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG3	19	0.29
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG3	19	0.29
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG3	19	0.29
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG2	19	0.29
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG2	19	0.29
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG2	19	0.29
(3,1770)	1:B:17:LEU:HD21	1:B:33:VAL:HB	19	0.29
(3,1770)	1:B:17:LEU:HD22	1:B:33:VAL:HB	19	0.29
(3,1770)	1:B:17:LEU:HD23	1:B:33:VAL:HB	19	0.29
(3,1756)	1:B:18:ARG:HD3	1:B:18:ARG:HB3	6	0.29
(3,1756)	1:B:18:ARG:HD3	1:B:22:LEU:HG	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1756)	1:B:18:ARG:HD3	1:B:18:ARG:HB3	9	0.29
(3,1756)	1:B:18:ARG:HD3	1:B:22:LEU:HG	9	0.29
(3,1665)	1:B:32:VAL:HG11	1:B:37:LEU:HG	1	0.29
(3,1665)	1:B:32:VAL:HG12	1:B:37:LEU:HG	1	0.29
(3,1665)	1:B:32:VAL:HG13	1:B:37:LEU:HG	1	0.29
(3,1665)	1:B:32:VAL:HG11	1:B:51:ILE:HB	1	0.29
(3,1665)	1:B:32:VAL:HG12	1:B:51:ILE:HB	1	0.29
(3,1665)	1:B:32:VAL:HG13	1:B:51:ILE:HB	1	0.29
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD11	9	0.29
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD12	9	0.29
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD13	9	0.29
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD11	9	0.29
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD12	9	0.29
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD13	9	0.29
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD11	9	0.29
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD12	9	0.29
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD13	9	0.29
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG11	9	0.29
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG12	9	0.29
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG13	9	0.29
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG11	9	0.29
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG12	9	0.29
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG13	9	0.29
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG11	9	0.29
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG12	9	0.29
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG13	9	0.29
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG21	9	0.29
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG22	9	0.29
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG23	9	0.29
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG21	9	0.29
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG22	9	0.29
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG23	9	0.29
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG21	9	0.29
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG22	9	0.29
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG23	9	0.29
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	2	0.29
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	2	0.29
(3,1565)	1:B:40:LEU:HB2	1:B:41:ASN:HB3	15	0.29
(3,1565)	1:B:40:LEU:HB2	1:B:45:ARG:HD3	15	0.29
(3,1565)	1:B:22:LEU:HB2	1:B:26:ASP:HB2	15	0.29
(3,1565)	1:B:40:LEU:HB2	1:B:53:HIS:HB3	15	0.29
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	5	0.29
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	5	0.29
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	5	0.29
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	5	0.29
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	5	0.29
(3,1361)	1:B:55:VAL:HG11	1:B:52:HIS:HB2	8	0.29
(3,1361)	1:B:55:VAL:HG12	1:B:52:HIS:HB2	8	0.29
(3,1361)	1:B:55:VAL:HG13	1:B:52:HIS:HB2	8	0.29
(3,1361)	1:B:74:VAL:HG11	1:B:127:ARG:HD3	8	0.29
(3,1361)	1:B:74:VAL:HG12	1:B:127:ARG:HD3	8	0.29
(3,1361)	1:B:74:VAL:HG13	1:B:127:ARG:HD3	8	0.29
(3,1348)	1:B:30:GLN:HG3	1:B:31:ASP:HB3	2	0.29
(3,1348)	1:B:56:GLN:HG2	1:B:53:HIS:HB3	2	0.29
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	19	0.29
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	19	0.29
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	19	0.29
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	8	0.29
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	8	0.29
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	8	0.29
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	8	0.29
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	8	0.29
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	8	0.29
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	8	0.29
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	8	0.29
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	8	0.29
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	12	0.29
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	12	0.29
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	12	0.29
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	12	0.29
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	12	0.29
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	12	0.29
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	12	0.29
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	12	0.29
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	12	0.29
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	1	0.29
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	1	0.29
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	1	0.29
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	1	0.29
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	1	0.29
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	1	0.29
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	1	0.29
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	1	0.29
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	1	0.29
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	1	0.29
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	1	0.29
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	1	0.29
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	1	0.29
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	1	0.29
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	1	0.29
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	1	0.29
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	1	0.29
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	11	0.29
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	11	0.29
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	6	0.29
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	6	0.29
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	6	0.29
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	3	0.29
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	3	0.29
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	3	0.29
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	4	0.29
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	4	0.29
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	4	0.29
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	13	0.29
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	13	0.29
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	13	0.29
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	18	0.29
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	18	0.29
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	1	0.29
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	1	0.29
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	19	0.29
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	19	0.29
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	19	0.29
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	6	0.29
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	18	0.29
(1,449)	1:B:68:ARG:H	1:B:67:GLN:HB3	4	0.29
(1,429)	1:B:67:GLN:H	1:B:64:LYS:HA	1	0.29
(1,409)	1:B:64:LYS:H	1:B:65:ASP:HB3	4	0.29
(1,409)	1:B:64:LYS:H	1:B:65:ASP:HB3	12	0.29
(1,408)	1:B:64:LYS:H	1:B:62:SER:HB3	9	0.29
(1,313)	1:B:50:ILE:H	1:B:50:ILE:HD11	12	0.29
(1,313)	1:B:50:ILE:H	1:B:50:ILE:HD12	12	0.29
(1,313)	1:B:50:ILE:H	1:B:50:ILE:HD13	12	0.29
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	11	0.29
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	11	0.29
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	11	0.29
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	11	0.29
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	11	0.29
(1,2397)	1:B:35:ALA:HB1	1:B:39:HIS:HB3	10	0.29
(1,2397)	1:B:35:ALA:HB2	1:B:39:HIS:HB3	10	0.29
(1,2397)	1:B:35:ALA:HB3	1:B:39:HIS:HB3	10	0.29
(1,2380)	1:B:37:LEU:HB3	1:B:37:LEU:H	11	0.29
(1,2222)	1:B:77:THR:HG21	1:B:80:GLN:HE22	15	0.29
(1,2222)	1:B:77:THR:HG22	1:B:80:GLN:HE22	15	0.29
(1,2222)	1:B:77:THR:HG23	1:B:80:GLN:HE22	15	0.29
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	11	0.29
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	11	0.29
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	11	0.29
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	11	0.29
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	11	0.29
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	11	0.29
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	14	0.29
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	14	0.29
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	14	0.29
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	8	0.29
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	8	0.29
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	8	0.29
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	1	0.29
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	1	0.29
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	1	0.29
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	14	0.29
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	14	0.29
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	14	0.29
(1,1935)	1:B:63:VAL:HG21	1:B:63:VAL:HA	16	0.29
(1,1935)	1:B:63:VAL:HG22	1:B:63:VAL:HA	16	0.29
(1,1935)	1:B:63:VAL:HG23	1:B:63:VAL:HA	16	0.29
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	14	0.29
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	14	0.29
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	14	0.29
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	14	0.29
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	14	0.29
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	14	0.29
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	14	0.29
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	14	0.29
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	14	0.29
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	14	0.29
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	14	0.29
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	13	0.29
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	13	0.29
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	13	0.29
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG11	13	0.29
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG12	13	0.29
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG13	13	0.29
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD11	11	0.29
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD12	11	0.29
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD13	11	0.29
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD21	11	0.29
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD22	11	0.29
(1,1598)	1:B:79:ASP:HB3	1:B:82:LEU:HD23	11	0.29
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	17	0.29
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	17	0.29
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	17	0.29
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	17	0.29
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	17	0.29
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	17	0.29
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	17	0.29
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	17	0.29
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	17	0.29
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	17	0.29
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	17	0.29
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	17	0.29
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	16	0.29
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	16	0.29
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	16	0.29
(1,1271)	1:B:114:ILE:HG12	1:B:76:TRP:HH2	15	0.29
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	6	0.29
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	6	0.29
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	6	0.29
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB3	8	0.29
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB3	8	0.29
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB3	8	0.29
(1,1234)	1:B:115:VAL:HG21	1:B:127:ARG:HB2	8	0.29
(1,1234)	1:B:115:VAL:HG22	1:B:127:ARG:HB2	8	0.29
(1,1234)	1:B:115:VAL:HG23	1:B:127:ARG:HB2	8	0.29
(1,1178)	1:B:119:LEU:HG	1:B:126:GLU:H	7	0.29
(1,1060)	1:B:124:VAL:HB	1:B:119:LEU:HD11	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1060)	1:B:124:VAL:HB	1:B:119:LEU:HD12	10	0.29
(1,1060)	1:B:124:VAL:HB	1:B:119:LEU:HD13	10	0.29
(1,1003)	1:B:127:ARG:HD2	1:B:131:TYR:HE1	16	0.29
(1,1003)	1:B:127:ARG:HD2	1:B:131:TYR:HE2	16	0.29
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD21	8	0.28
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD22	8	0.28
(3,994)	1:B:89:GLU:HG2	1:B:123:LEU:HD23	8	0.28
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD21	8	0.28
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD22	8	0.28
(3,994)	1:B:19:GLU:HG3	1:B:20:LEU:HD23	8	0.28
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	5	0.28
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	5	0.28
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	5	0.28
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	5	0.28
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	5	0.28
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	5	0.28
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	5	0.28
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	5	0.28
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	5	0.28
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	5	0.28
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	5	0.28
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	5	0.28
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	5	0.28
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	5	0.28
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	5	0.28
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	5	0.28
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	5	0.28
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	5	0.28
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	9	0.28
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	9	0.28
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	9	0.28
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	9	0.28
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	9	0.28
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	9	0.28
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE1	15	0.28
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE2	15	0.28
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE3	15	0.28
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE1	15	0.28
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE2	15	0.28
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE3	15	0.28
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE1	15	0.28
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE2	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE3	15	0.28
(3,734)	1:B:114:ILE:HG21	1:B:115:VAL:HB	15	0.28
(3,734)	1:B:114:ILE:HG22	1:B:115:VAL:HB	15	0.28
(3,734)	1:B:114:ILE:HG23	1:B:115:VAL:HB	15	0.28
(3,505)	1:B:13:GLU:HG2	1:B:43:VAL:HB	18	0.28
(3,505)	1:B:13:GLU:HG3	1:B:43:VAL:HB	18	0.28
(3,505)	1:B:13:GLU:HG3	1:B:40:LEU:HG	18	0.28
(3,505)	1:B:13:GLU:HG2	1:B:12:GLU:HB3	18	0.28
(3,505)	1:B:13:GLU:HG3	1:B:12:GLU:HB3	18	0.28
(3,505)	1:B:13:GLU:HG2	1:B:40:LEU:HG	18	0.28
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	13	0.28
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	13	0.28
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	13	0.28
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	13	0.28
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	13	0.28
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	13	0.28
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	13	0.28
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	13	0.28
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG3	2	0.28
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG2	2	0.28
(3,439)	1:B:14:GLU:HB3	1:B:17:LEU:HG	2	0.28
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	3	0.28
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	3	0.28
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	3	0.28
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	3	0.28
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	3	0.28
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	3	0.28
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	3	0.28
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	3	0.28
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	3	0.28
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD11	5	0.28
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD12	5	0.28
(3,191)	1:B:85:GLN:HE22	1:B:73:ILE:HD13	5	0.28
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD11	5	0.28
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD12	5	0.28
(3,191)	1:B:85:GLN:HE22	1:B:123:LEU:HD13	5	0.28
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	12	0.28
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	12	0.28
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	12	0.28
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	12	0.28
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	12	0.28
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	2	0.28
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	2	0.28
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	2	0.28
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	2	0.28
(3,1770)	1:B:17:LEU:HD21	1:B:14:GLU:HB2	9	0.28
(3,1770)	1:B:17:LEU:HD22	1:B:14:GLU:HB2	9	0.28
(3,1770)	1:B:17:LEU:HD23	1:B:14:GLU:HB2	9	0.28
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG3	9	0.28
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG3	9	0.28
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG3	9	0.28
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG2	9	0.28
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG2	9	0.28
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG2	9	0.28
(3,1770)	1:B:17:LEU:HD21	1:B:33:VAL:HB	9	0.28
(3,1770)	1:B:17:LEU:HD22	1:B:33:VAL:HB	9	0.28
(3,1770)	1:B:17:LEU:HD23	1:B:33:VAL:HB	9	0.28
(3,1756)	1:B:18:ARG:HD3	1:B:18:ARG:HB3	19	0.28
(3,1756)	1:B:18:ARG:HD3	1:B:22:LEU:HG	19	0.28
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	9	0.28
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	9	0.28
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	9	0.28
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	9	0.28
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	9	0.28
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	9	0.28
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	9	0.28
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	9	0.28
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	9	0.28
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	12	0.28
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	12	0.28
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	12	0.28
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	12	0.28
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	12	0.28
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	12	0.28
(3,1576)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	5	0.28
(3,1576)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	5	0.28
(3,1576)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	5	0.28
(3,1576)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	5	0.28
(3,1576)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	5	0.28
(3,1576)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	5	0.28
(3,1418)	1:B:9:TRP:HE3	1:B:12:GLU:HB3	12	0.28
(3,1418)	1:B:52:HIS:HD2	1:B:55:VAL:HB	12	0.28
(3,1418)	1:B:52:HIS:HD2	1:B:67:GLN:HB2	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	2	0.28
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	2	0.28
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	2	0.28
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	15	0.28
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	15	0.28
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	15	0.28
(3,1384)	1:B:54:LEU:HD21	1:B:59:LEU:HB2	7	0.28
(3,1384)	1:B:54:LEU:HD22	1:B:59:LEU:HB2	7	0.28
(3,1384)	1:B:54:LEU:HD23	1:B:59:LEU:HB2	7	0.28
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB1	7	0.28
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB2	7	0.28
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB3	7	0.28
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB1	7	0.28
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB2	7	0.28
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB3	7	0.28
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB1	7	0.28
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB2	7	0.28
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB3	7	0.28
(3,1321)	1:B:37:LEU:HD21	1:B:34:GLU:H	3	0.28
(3,1321)	1:B:37:LEU:HD22	1:B:34:GLU:H	3	0.28
(3,1321)	1:B:37:LEU:HD23	1:B:34:GLU:H	3	0.28
(3,1321)	1:B:37:LEU:HD21	1:B:33:VAL:H	3	0.28
(3,1321)	1:B:37:LEU:HD22	1:B:33:VAL:H	3	0.28
(3,1321)	1:B:37:LEU:HD23	1:B:33:VAL:H	3	0.28
(3,1288)	1:B:31:ASP:HB2	1:B:37:LEU:HG	1	0.28
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD3	1	0.28
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD2	1	0.28
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD3	1	0.28
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD2	1	0.28
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	11	0.28
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	11	0.28
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	11	0.28
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	13	0.28
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	13	0.28
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	13	0.28
(3,1232)	1:B:8:THR:HB	1:B:7:PRO:HB2	7	0.28
(3,1232)	1:B:71:THR:HB	1:B:82:LEU:HB3	7	0.28
(3,1178)	1:B:27:VAL:HG21	1:B:30:GLN:HE21	8	0.28
(3,1178)	1:B:27:VAL:HG22	1:B:30:GLN:HE21	8	0.28
(3,1178)	1:B:27:VAL:HG23	1:B:30:GLN:HE21	8	0.28
(3,1178)	1:B:74:VAL:HG11	1:B:76:TRP:HZ3	8	0.28
(3,1178)	1:B:74:VAL:HG12	1:B:76:TRP:HZ3	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1178)	1:B:74:VAL:HG13	1:B:76:TRP:HZ3	8	0.28
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	13	0.28
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	13	0.28
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	13	0.28
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	13	0.28
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	13	0.28
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	13	0.28
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	18	0.28
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	18	0.28
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	18	0.28
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	18	0.28
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	18	0.28
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	18	0.28
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	18	0.28
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	7	0.28
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	7	0.28
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	10	0.28
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	10	0.28
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	18	0.28
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	18	0.28
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	18	0.28
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	18	0.28
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	18	0.28
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	18	0.28
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	18	0.28
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	18	0.28
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	18	0.28
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	18	0.28
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	18	0.28
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	18	0.28
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	16	0.28
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	16	0.28
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	16	0.28
(1,954)	1:B:131:TYR:HE1	1:B:127:ARG:HG2	20	0.28
(1,954)	1:B:131:TYR:HE2	1:B:127:ARG:HG2	20	0.28
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	17	0.28
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	17	0.28
(1,885)	1:B:40:LEU:HD21	1:B:9:TRP:HZ3	1	0.28
(1,885)	1:B:40:LEU:HD22	1:B:9:TRP:HZ3	1	0.28
(1,885)	1:B:40:LEU:HD23	1:B:9:TRP:HZ3	1	0.28
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	3	0.28
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	3	0.28
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	3	0.28
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	3	0.28
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	3	0.28
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	17	0.28
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	17	0.28
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	17	0.28
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	17	0.28
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	17	0.28
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	17	0.28
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	13	0.28
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	14	0.28
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	19	0.28
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	19	0.28
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	20	0.28
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	11	0.28
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	19	0.28
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	14	0.28
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	4	0.28
(1,2706)	1:B:118:LEU:HD21	1:B:115:VAL:HA	6	0.28
(1,2706)	1:B:118:LEU:HD22	1:B:115:VAL:HA	6	0.28
(1,2706)	1:B:118:LEU:HD23	1:B:115:VAL:HA	6	0.28
(1,2683)	1:B:6:ALA:HB1	1:B:7:PRO:HD2	1	0.28
(1,2683)	1:B:6:ALA:HB2	1:B:7:PRO:HD2	1	0.28
(1,2683)	1:B:6:ALA:HB3	1:B:7:PRO:HD2	1	0.28
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	6	0.28
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	6	0.28
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	6	0.28
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	10	0.28
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	10	0.28
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	10	0.28
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	10	0.28
(1,2380)	1:B:37:LEU:HB3	1:B:37:LEU:H	5	0.28
(1,2380)	1:B:37:LEU:HB3	1:B:37:LEU:H	14	0.28
(1,2279)	1:B:43:VAL:HG21	1:B:45:ARG:HG2	15	0.28
(1,2279)	1:B:43:VAL:HG22	1:B:45:ARG:HG2	15	0.28
(1,2279)	1:B:43:VAL:HG23	1:B:45:ARG:HG2	15	0.28
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	9	0.28
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	9	0.28
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	9	0.28
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	20	0.28
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	20	0.28
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	20	0.28
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	20	0.28
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	20	0.28
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	20	0.28
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	20	0.28
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	20	0.28
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	12	0.28
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	12	0.28
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	12	0.28
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	15	0.28
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	15	0.28
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	15	0.28
(1,1914)	1:B:64:LYS:HD2	1:B:64:LYS:HA	3	0.28
(1,1914)	1:B:64:LYS:HD3	1:B:64:LYS:HA	3	0.28
(1,1914)	1:B:64:LYS:HD2	1:B:64:LYS:HA	4	0.28
(1,1914)	1:B:64:LYS:HD3	1:B:64:LYS:HA	4	0.28
(1,1882)	1:B:67:GLN:HG2	1:B:64:LYS:HA	7	0.28
(1,1882)	1:B:67:GLN:HG3	1:B:64:LYS:HA	7	0.28
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	13	0.28
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	13	0.28
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	13	0.28
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	14	0.28
(1,1695)	1:B:127:ARG:HD2	1:B:116:ASP:H	20	0.28
(1,1695)	1:B:127:ARG:HD3	1:B:116:ASP:H	20	0.28
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	13	0.28
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	13	0.28
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	13	0.28
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	13	0.28
(1,1511)	1:B:37:LEU:HB3	1:B:36:ILE:H	13	0.28
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	15	0.28
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	15	0.28
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	15	0.28
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG11	12	0.28
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG12	12	0.28
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG13	12	0.28
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG21	12	0.28
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG22	12	0.28
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG23	12	0.28
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE2	3	0.28
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE2	3	0.28
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE2	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE3	3	0.28
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE3	3	0.28
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE3	3	0.28
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	8	0.28
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	8	0.28
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	8	0.28
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE1	6	0.28
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE2	6	0.28
(1,1372)	1:B:107:ALA:HB1	1:B:102:MET:HE3	6	0.28
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE1	6	0.28
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE2	6	0.28
(1,1372)	1:B:107:ALA:HB2	1:B:102:MET:HE3	6	0.28
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE1	6	0.28
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE2	6	0.28
(1,1372)	1:B:107:ALA:HB3	1:B:102:MET:HE3	6	0.28
(1,1289)	1:B:114:ILE:HD11	1:B:102:MET:HE1	16	0.28
(1,1289)	1:B:114:ILE:HD11	1:B:102:MET:HE2	16	0.28
(1,1289)	1:B:114:ILE:HD11	1:B:102:MET:HE3	16	0.28
(1,1289)	1:B:114:ILE:HD12	1:B:102:MET:HE1	16	0.28
(1,1289)	1:B:114:ILE:HD12	1:B:102:MET:HE2	16	0.28
(1,1289)	1:B:114:ILE:HD12	1:B:102:MET:HE3	16	0.28
(1,1289)	1:B:114:ILE:HD13	1:B:102:MET:HE1	16	0.28
(1,1289)	1:B:114:ILE:HD13	1:B:102:MET:HE2	16	0.28
(1,1289)	1:B:114:ILE:HD13	1:B:102:MET:HE3	16	0.28
(1,1287)	1:B:114:ILE:HD11	1:B:109:ARG:HD3	20	0.28
(1,1287)	1:B:114:ILE:HD12	1:B:109:ARG:HD3	20	0.28
(1,1287)	1:B:114:ILE:HD13	1:B:109:ARG:HD3	20	0.28
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	17	0.28
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	17	0.28
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	17	0.28
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG21	16	0.28
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG22	16	0.28
(1,1211)	1:B:7:PRO:HB3	1:B:8:THR:HG23	16	0.28
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	12	0.28
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	12	0.28
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	12	0.28
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	12	0.28
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	12	0.28
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	12	0.28
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	12	0.28
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	12	0.28
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	4	0.28
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	4	0.28
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	4	0.28
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	10	0.28
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	10	0.28
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	10	0.28
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	14	0.28
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	14	0.28
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	14	0.28
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD11	17	0.27
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD12	17	0.27
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD13	17	0.27
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD11	17	0.27
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD12	17	0.27
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD13	17	0.27
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD11	17	0.27
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD12	17	0.27
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD13	17	0.27
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG21	17	0.27
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG22	17	0.27
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG23	17	0.27
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG21	17	0.27
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG22	17	0.27
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG23	17	0.27
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG21	17	0.27
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG22	17	0.27
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG23	17	0.27
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE1	2	0.27
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE2	2	0.27
(3,830)	1:B:31:ASP:HB3	1:B:30:GLN:HE21	2	0.27
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	1	0.27
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	1	0.27
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	1	0.27
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	1	0.27
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	1	0.27
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	1	0.27
(3,731)	1:B:114:ILE:HG13	1:B:109:ARG:HD3	1	0.27
(3,731)	1:B:128:ARG:HB3	1:B:129:GLU:HG2	1	0.27
(3,731)	1:B:128:ARG:HB2	1:B:129:GLU:HG2	1	0.27
(3,731)	1:B:128:ARG:HB3	1:B:129:GLU:HG3	1	0.27
(3,731)	1:B:128:ARG:HB2	1:B:129:GLU:HG3	1	0.27
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	9	0.27
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	9	0.27
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	9	0.27
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	9	0.27
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	9	0.27
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	9	0.27
(3,603)	1:B:121:LEU:HD11	1:B:71:THR:HB	2	0.27
(3,603)	1:B:121:LEU:HD12	1:B:71:THR:HB	2	0.27
(3,603)	1:B:121:LEU:HD13	1:B:71:THR:HB	2	0.27
(3,603)	1:B:121:LEU:HD11	1:B:121:LEU:HA	2	0.27
(3,603)	1:B:121:LEU:HD12	1:B:121:LEU:HA	2	0.27
(3,603)	1:B:121:LEU:HD13	1:B:121:LEU:HA	2	0.27
(3,603)	1:B:121:LEU:HD11	1:B:71:THR:HB	17	0.27
(3,603)	1:B:121:LEU:HD12	1:B:71:THR:HB	17	0.27
(3,603)	1:B:121:LEU:HD13	1:B:71:THR:HB	17	0.27
(3,603)	1:B:121:LEU:HD11	1:B:121:LEU:HA	17	0.27
(3,603)	1:B:121:LEU:HD12	1:B:121:LEU:HA	17	0.27
(3,603)	1:B:121:LEU:HD13	1:B:121:LEU:HA	17	0.27
(3,602)	1:B:121:LEU:HD11	1:B:85:GLN:HG2	13	0.27
(3,602)	1:B:121:LEU:HD12	1:B:85:GLN:HG2	13	0.27
(3,602)	1:B:121:LEU:HD13	1:B:85:GLN:HG2	13	0.27
(3,602)	1:B:121:LEU:HD11	1:B:89:GLU:HG3	13	0.27
(3,602)	1:B:121:LEU:HD12	1:B:89:GLU:HG3	13	0.27
(3,602)	1:B:121:LEU:HD13	1:B:89:GLU:HG3	13	0.27
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	19	0.27
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	19	0.27
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	19	0.27
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	19	0.27
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	19	0.27
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	19	0.27
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	19	0.27
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	19	0.27
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	19	0.27
(3,367)	1:B:98:LEU:HD11	1:B:98:LEU:HA	9	0.27
(3,367)	1:B:98:LEU:HD12	1:B:98:LEU:HA	9	0.27
(3,367)	1:B:98:LEU:HD13	1:B:98:LEU:HA	9	0.27
(3,367)	1:B:98:LEU:HD11	1:B:111:ARG:HA	9	0.27
(3,367)	1:B:98:LEU:HD12	1:B:111:ARG:HA	9	0.27
(3,367)	1:B:98:LEU:HD13	1:B:111:ARG:HA	9	0.27
(3,367)	1:B:98:LEU:HD11	1:B:98:LEU:HA	11	0.27
(3,367)	1:B:98:LEU:HD12	1:B:98:LEU:HA	11	0.27
(3,367)	1:B:98:LEU:HD13	1:B:98:LEU:HA	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,367)	1:B:98:LEU:HD11	1:B:111:ARG:HA	11	0.27
(3,367)	1:B:98:LEU:HD12	1:B:111:ARG:HA	11	0.27
(3,367)	1:B:98:LEU:HD13	1:B:111:ARG:HA	11	0.27
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	2	0.27
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	2	0.27
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	2	0.27
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	2	0.27
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	2	0.27
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	2	0.27
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	2	0.27
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	2	0.27
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	2	0.27
(3,325)	1:B:141:SER:H	1:B:124:VAL:HB	9	0.27
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB3	9	0.27
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB2	9	0.27
(3,213)	1:B:94:SER:H	1:B:91:PHE:HD1	4	0.27
(3,213)	1:B:94:SER:H	1:B:91:PHE:HD2	4	0.27
(3,213)	1:B:94:SER:H	1:B:100:HIS:HD2	4	0.27
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD21	7	0.27
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD22	7	0.27
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD23	7	0.27
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD21	7	0.27
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD22	7	0.27
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD23	7	0.27
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	8	0.27
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	8	0.27
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	8	0.27
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	8	0.27
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	8	0.27
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	8	0.27
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	3	0.27
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	3	0.27
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	3	0.27
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	3	0.27
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	3	0.27
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	3	0.27
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	3	0.27
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	3	0.27
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	3	0.27
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	3	0.27
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	3	0.27
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	19	0.27
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	19	0.27
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	19	0.27
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	19	0.27
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	19	0.27
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	19	0.27
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	19	0.27
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	19	0.27
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	19	0.27
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	19	0.27
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	19	0.27
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	19	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	19	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	19	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	19	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	19	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	19	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	19	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	20	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	20	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	20	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	20	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	20	0.27
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	20	0.27
(3,1671)	1:B:32:VAL:HG11	1:B:66:PHE:H	7	0.27
(3,1671)	1:B:32:VAL:HG12	1:B:66:PHE:H	7	0.27
(3,1671)	1:B:32:VAL:HG13	1:B:66:PHE:H	7	0.27
(3,1671)	1:B:32:VAL:HG11	1:B:24:ASN:HD22	7	0.27
(3,1671)	1:B:32:VAL:HG12	1:B:24:ASN:HD22	7	0.27
(3,1671)	1:B:32:VAL:HG13	1:B:24:ASN:HD22	7	0.27
(3,1671)	1:B:32:VAL:HG11	1:B:66:PHE:H	11	0.27
(3,1671)	1:B:32:VAL:HG12	1:B:66:PHE:H	11	0.27
(3,1671)	1:B:32:VAL:HG13	1:B:66:PHE:H	11	0.27
(3,1671)	1:B:32:VAL:HG11	1:B:24:ASN:HD22	11	0.27
(3,1671)	1:B:32:VAL:HG12	1:B:24:ASN:HD22	11	0.27
(3,1671)	1:B:32:VAL:HG13	1:B:24:ASN:HD22	11	0.27
(3,1623)	1:B:36:ILE:HG21	1:B:50:ILE:HG12	2	0.27
(3,1623)	1:B:36:ILE:HG22	1:B:50:ILE:HG12	2	0.27
(3,1623)	1:B:36:ILE:HG23	1:B:50:ILE:HG12	2	0.27
(3,1623)	1:B:36:ILE:HG21	1:B:17:LEU:HG	2	0.27
(3,1623)	1:B:36:ILE:HG22	1:B:17:LEU:HG	2	0.27
(3,1623)	1:B:36:ILE:HG23	1:B:17:LEU:HG	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1623)	1:B:36:ILE:HG21	1:B:37:LEU:HB2	2	0.27
(3,1623)	1:B:36:ILE:HG22	1:B:37:LEU:HB2	2	0.27
(3,1623)	1:B:36:ILE:HG23	1:B:37:LEU:HB2	2	0.27
(3,1575)	1:B:40:LEU:HD11	1:B:45:ARG:HD3	20	0.27
(3,1575)	1:B:40:LEU:HD12	1:B:45:ARG:HD3	20	0.27
(3,1575)	1:B:40:LEU:HD13	1:B:45:ARG:HD3	20	0.27
(3,1575)	1:B:40:LEU:HD11	1:B:14:GLU:HG2	20	0.27
(3,1575)	1:B:40:LEU:HD12	1:B:14:GLU:HG2	20	0.27
(3,1575)	1:B:40:LEU:HD13	1:B:14:GLU:HG2	20	0.27
(3,1575)	1:B:40:LEU:HD11	1:B:9:TRP:HB2	20	0.27
(3,1575)	1:B:40:LEU:HD12	1:B:9:TRP:HB2	20	0.27
(3,1575)	1:B:40:LEU:HD13	1:B:9:TRP:HB2	20	0.27
(3,1575)	1:B:40:LEU:HD11	1:B:53:HIS:HB3	20	0.27
(3,1575)	1:B:40:LEU:HD12	1:B:53:HIS:HB3	20	0.27
(3,1575)	1:B:40:LEU:HD13	1:B:53:HIS:HB3	20	0.27
(3,1575)	1:B:40:LEU:HD11	1:B:41:ASN:HB3	20	0.27
(3,1575)	1:B:40:LEU:HD12	1:B:41:ASN:HB3	20	0.27
(3,1575)	1:B:40:LEU:HD13	1:B:41:ASN:HB3	20	0.27
(3,1569)	1:B:40:LEU:HB2	1:B:37:LEU:HA	1	0.27
(3,1569)	1:B:40:LEU:HB2	1:B:17:LEU:HA	1	0.27
(3,1569)	1:B:40:LEU:HB2	1:B:37:LEU:HA	13	0.27
(3,1569)	1:B:40:LEU:HB2	1:B:17:LEU:HA	13	0.27
(3,1344)	1:B:30:GLN:HG2	1:B:32:VAL:HG11	6	0.27
(3,1344)	1:B:30:GLN:HG2	1:B:32:VAL:HG12	6	0.27
(3,1344)	1:B:30:GLN:HG2	1:B:32:VAL:HG13	6	0.27
(3,1344)	1:B:30:GLN:HG2	1:B:38:ALA:HB1	6	0.27
(3,1344)	1:B:30:GLN:HG2	1:B:38:ALA:HB2	6	0.27
(3,1344)	1:B:30:GLN:HG2	1:B:38:ALA:HB3	6	0.27
(3,1344)	1:B:56:GLN:HG3	1:B:59:LEU:HB2	6	0.27
(3,1288)	1:B:31:ASP:HB2	1:B:37:LEU:HG	10	0.27
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD3	10	0.27
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD2	10	0.27
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD3	10	0.27
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD2	10	0.27
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	8	0.27
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	8	0.27
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	8	0.27
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	8	0.27
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	8	0.27
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	8	0.27
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	8	0.27
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	8	0.27
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	8	0.27
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	8	0.27
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	8	0.27
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	8	0.27
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	8	0.27
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	8	0.27
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	7	0.27
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	7	0.27
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	7	0.27
(3,1228)	1:B:71:THR:HB	1:B:73:ILE:HG13	2	0.27
(3,1228)	1:B:71:THR:HB	1:B:123:LEU:HG	2	0.27
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD21	13	0.27
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD22	13	0.27
(3,1226)	1:B:71:THR:HB	1:B:82:LEU:HD23	13	0.27
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG11	13	0.27
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG12	13	0.27
(3,1226)	1:B:71:THR:HB	1:B:74:VAL:HG13	13	0.27
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	15	0.27
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	15	0.27
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	12	0.27
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	12	0.27
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	12	0.27
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	12	0.27
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	12	0.27
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	12	0.27
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	12	0.27
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	14	0.27
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	14	0.27
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	14	0.27
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	14	0.27
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	14	0.27
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	14	0.27
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	14	0.27
(2,52)	1:B:35:ALA:HB1	1:B:33:VAL:HB	18	0.27
(2,52)	1:B:35:ALA:HB2	1:B:33:VAL:HB	18	0.27
(2,52)	1:B:35:ALA:HB3	1:B:33:VAL:HB	18	0.27
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	10	0.27
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	10	0.27
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	10	0.27
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	20	0.27
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	20	0.27
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	20	0.27
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	20	0.27
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	20	0.27
(1,885)	1:B:40:LEU:HD21	1:B:9:TRP:HZ3	7	0.27
(1,885)	1:B:40:LEU:HD22	1:B:9:TRP:HZ3	7	0.27
(1,885)	1:B:40:LEU:HD23	1:B:9:TRP:HZ3	7	0.27
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	2	0.27
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	11	0.27
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	18	0.27
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	18	0.27
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	13	0.27
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	13	0.27
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	13	0.27
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	14	0.27
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	14	0.27
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	14	0.27
(1,69)	1:B:16:HIS:H	1:B:19:GLU:HA	4	0.27
(1,683)	1:B:109:ARG:H	1:B:105:ILE:HG21	9	0.27
(1,683)	1:B:109:ARG:H	1:B:105:ILE:HG22	9	0.27
(1,683)	1:B:109:ARG:H	1:B:105:ILE:HG23	9	0.27
(1,683)	1:B:109:ARG:H	1:B:105:ILE:HD11	9	0.27
(1,683)	1:B:109:ARG:H	1:B:105:ILE:HD12	9	0.27
(1,683)	1:B:109:ARG:H	1:B:105:ILE:HD13	9	0.27
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	1	0.27
(1,2751)	1:B:108:LYS:HG2	1:B:108:LYS:H	10	0.27
(1,2750)	1:B:76:TRP:HE3	1:B:84:LEU:HD21	3	0.27
(1,2750)	1:B:76:TRP:HE3	1:B:84:LEU:HD22	3	0.27
(1,2750)	1:B:76:TRP:HE3	1:B:84:LEU:HD23	3	0.27
(1,2638)	1:B:10:SER:HB3	1:B:11:PRO:HG3	4	0.27
(1,2638)	1:B:10:SER:HB3	1:B:11:PRO:HG3	9	0.27
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	10	0.27
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	10	0.27
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	10	0.27
(1,252)	1:B:40:LEU:H	1:B:40:LEU:HB3	20	0.27
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HB	19	0.27
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HG13	19	0.27
(1,2380)	1:B:37:LEU:HB3	1:B:37:LEU:H	17	0.27
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	9	0.27
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	7	0.27
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	7	0.27
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	8	0.27
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	8	0.27
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	8	0.27
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	10	0.27
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	10	0.27
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	10	0.27
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	13	0.27
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	13	0.27
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	13	0.27
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	12	0.27
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	12	0.27
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	12	0.27
(1,2136)	1:B:51:ILE:HG21	1:B:63:VAL:HB	6	0.27
(1,2136)	1:B:51:ILE:HG22	1:B:63:VAL:HB	6	0.27
(1,2136)	1:B:51:ILE:HG23	1:B:63:VAL:HB	6	0.27
(1,2032)	1:B:57:MET:HE1	1:B:18:ARG:HA	10	0.27
(1,2032)	1:B:57:MET:HE2	1:B:18:ARG:HA	10	0.27
(1,2032)	1:B:57:MET:HE3	1:B:18:ARG:HA	10	0.27
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	10	0.27
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	10	0.27
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	10	0.27
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	4	0.27
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	4	0.27
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	4	0.27
(1,1734)	1:B:85:GLN:HG3	1:B:88:PHE:HB3	19	0.27
(1,1695)	1:B:127:ARG:HD2	1:B:116:ASP:H	12	0.27
(1,1695)	1:B:127:ARG:HD3	1:B:116:ASP:H	12	0.27
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE1	3	0.27
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE2	3	0.27
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE1	5	0.27
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE2	5	0.27
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG11	18	0.27
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG12	18	0.27
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG13	18	0.27
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG21	18	0.27
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG22	18	0.27
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG23	18	0.27
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	12	0.27
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	12	0.27
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	12	0.27
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG11	14	0.27
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG12	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG13	14	0.27
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG21	14	0.27
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG22	14	0.27
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG23	14	0.27
(1,1271)	1:B:114:ILE:HG12	1:B:76:TRP:HH2	13	0.27
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD11	6	0.27
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD12	6	0.27
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD13	6	0.27
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD11	6	0.27
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD12	6	0.27
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD13	6	0.27
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD11	6	0.27
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD12	6	0.27
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD13	6	0.27
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	7	0.27
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	7	0.27
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	7	0.27
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	1	0.27
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	1	0.27
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	1	0.27
(1,1178)	1:B:119:LEU:HG	1:B:126:GLU:H	13	0.27
(1,1165)	1:B:119:LEU:HD11	1:B:127:ARG:HD3	5	0.27
(1,1165)	1:B:119:LEU:HD12	1:B:127:ARG:HD3	5	0.27
(1,1165)	1:B:119:LEU:HD13	1:B:127:ARG:HD3	5	0.27
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG11	10	0.26
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG12	10	0.26
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG13	10	0.26
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG21	10	0.26
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG22	10	0.26
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG23	10	0.26
(3,939)	1:B:97:VAL:HG21	1:B:92:ARG:H	5	0.26
(3,939)	1:B:97:VAL:HG22	1:B:92:ARG:H	5	0.26
(3,939)	1:B:97:VAL:HG23	1:B:92:ARG:H	5	0.26
(3,939)	1:B:97:VAL:HG21	1:B:99:GLY:H	5	0.26
(3,939)	1:B:97:VAL:HG22	1:B:99:GLY:H	5	0.26
(3,939)	1:B:97:VAL:HG23	1:B:99:GLY:H	5	0.26
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	10	0.26
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	10	0.26
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	10	0.26
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	10	0.26
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	10	0.26
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE1	19	0.26
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE2	19	0.26
(3,830)	1:B:31:ASP:HB3	1:B:30:GLN:HE21	19	0.26
(3,722)	1:B:27:VAL:HG11	1:B:30:GLN:HE21	2	0.26
(3,722)	1:B:27:VAL:HG12	1:B:30:GLN:HE21	2	0.26
(3,722)	1:B:27:VAL:HG13	1:B:30:GLN:HE21	2	0.26
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE1	2	0.26
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE2	2	0.26
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE1	2	0.26
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE2	2	0.26
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE1	2	0.26
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE2	2	0.26
(3,719)	1:B:27:VAL:HG11	1:B:30:GLN:HE22	19	0.26
(3,719)	1:B:27:VAL:HG12	1:B:30:GLN:HE22	19	0.26
(3,719)	1:B:27:VAL:HG13	1:B:30:GLN:HE22	19	0.26
(3,719)	1:B:115:VAL:HG21	1:B:130:LEU:H	19	0.26
(3,719)	1:B:115:VAL:HG22	1:B:130:LEU:H	19	0.26
(3,719)	1:B:115:VAL:HG23	1:B:130:LEU:H	19	0.26
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	5	0.26
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	5	0.26
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	5	0.26
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	5	0.26
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	5	0.26
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	5	0.26
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	5	0.26
(3,603)	1:B:121:LEU:HD11	1:B:71:THR:HB	11	0.26
(3,603)	1:B:121:LEU:HD12	1:B:71:THR:HB	11	0.26
(3,603)	1:B:121:LEU:HD13	1:B:71:THR:HB	11	0.26
(3,603)	1:B:121:LEU:HD11	1:B:121:LEU:HA	11	0.26
(3,603)	1:B:121:LEU:HD12	1:B:121:LEU:HA	11	0.26
(3,603)	1:B:121:LEU:HD13	1:B:121:LEU:HA	11	0.26
(3,585)	1:B:121:LEU:HD11	1:B:87:LEU:H	9	0.26
(3,585)	1:B:121:LEU:HD12	1:B:87:LEU:H	9	0.26
(3,585)	1:B:121:LEU:HD13	1:B:87:LEU:H	9	0.26
(3,585)	1:B:121:LEU:HD11	1:B:81:GLU:H	9	0.26
(3,585)	1:B:121:LEU:HD12	1:B:81:GLU:H	9	0.26
(3,585)	1:B:121:LEU:HD13	1:B:81:GLU:H	9	0.26
(3,585)	1:B:121:LEU:HD11	1:B:128:ARG:H	9	0.26
(3,585)	1:B:121:LEU:HD12	1:B:128:ARG:H	9	0.26
(3,585)	1:B:121:LEU:HD13	1:B:128:ARG:H	9	0.26
(3,541)	1:B:124:VAL:HG21	1:B:126:GLU:HG3	6	0.26
(3,541)	1:B:124:VAL:HG22	1:B:126:GLU:HG3	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,541)	1:B:124:VAL:HG23	1:B:126:GLU:HG3	6	0.26
(3,541)	1:B:124:VAL:HG21	1:B:129:GLU:HB3	6	0.26
(3,541)	1:B:124:VAL:HG22	1:B:129:GLU:HB3	6	0.26
(3,541)	1:B:124:VAL:HG23	1:B:129:GLU:HB3	6	0.26
(3,541)	1:B:124:VAL:HG21	1:B:115:VAL:HB	6	0.26
(3,541)	1:B:124:VAL:HG22	1:B:115:VAL:HB	6	0.26
(3,541)	1:B:124:VAL:HG23	1:B:115:VAL:HB	6	0.26
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB1	16	0.26
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB2	16	0.26
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB3	16	0.26
(3,504)	1:B:13:GLU:HG3	1:B:40:LEU:HB3	16	0.26
(3,504)	1:B:13:GLU:HG3	1:B:17:LEU:HG	16	0.26
(3,504)	1:B:13:GLU:HG2	1:B:40:LEU:HB3	16	0.26
(3,504)	1:B:13:GLU:HG2	1:B:45:ARG:HG2	16	0.26
(3,504)	1:B:13:GLU:HG3	1:B:45:ARG:HG2	16	0.26
(3,504)	1:B:13:GLU:HG2	1:B:17:LEU:HG	16	0.26
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB1	19	0.26
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB2	19	0.26
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB3	19	0.26
(3,504)	1:B:13:GLU:HG3	1:B:40:LEU:HB3	19	0.26
(3,504)	1:B:13:GLU:HG3	1:B:17:LEU:HG	19	0.26
(3,504)	1:B:13:GLU:HG2	1:B:40:LEU:HB3	19	0.26
(3,504)	1:B:13:GLU:HG2	1:B:45:ARG:HG2	19	0.26
(3,504)	1:B:13:GLU:HG3	1:B:45:ARG:HG2	19	0.26
(3,504)	1:B:13:GLU:HG2	1:B:17:LEU:HG	19	0.26
(3,458)	1:B:25:LYS:HE2	1:B:25:LYS:HG2	10	0.26
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG21	10	0.26
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG22	10	0.26
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG23	10	0.26
(3,458)	1:B:25:LYS:HE3	1:B:25:LYS:HG2	10	0.26
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG3	1	0.26
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG2	1	0.26
(3,439)	1:B:14:GLU:HB3	1:B:17:LEU:HG	1	0.26
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	9	0.26
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	9	0.26
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	9	0.26
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	9	0.26
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG3	4	0.26
(3,380)	1:B:130:LEU:HG	1:B:129:GLU:HG2	4	0.26
(3,380)	1:B:37:LEU:HG	1:B:34:GLU:HG2	4	0.26
(3,356)	1:B:82:LEU:HD21	1:B:85:GLN:HE22	12	0.26
(3,356)	1:B:82:LEU:HD22	1:B:85:GLN:HE22	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,356)	1:B:82:LEU:HD23	1:B:85:GLN:HE22	12	0.26
(3,356)	1:B:130:LEU:HD21	1:B:88:PHE:HE1	12	0.26
(3,356)	1:B:130:LEU:HD21	1:B:88:PHE:HE2	12	0.26
(3,356)	1:B:130:LEU:HD22	1:B:88:PHE:HE1	12	0.26
(3,356)	1:B:130:LEU:HD22	1:B:88:PHE:HE2	12	0.26
(3,356)	1:B:130:LEU:HD23	1:B:88:PHE:HE1	12	0.26
(3,356)	1:B:130:LEU:HD23	1:B:88:PHE:HE2	12	0.26
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	4	0.26
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	4	0.26
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	4	0.26
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	4	0.26
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	4	0.26
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	4	0.26
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	4	0.26
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	4	0.26
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	4	0.26
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	4	0.26
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	4	0.26
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	4	0.26
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	5	0.26
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	5	0.26
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	5	0.26
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	5	0.26
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	5	0.26
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	5	0.26
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	5	0.26
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	5	0.26
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	5	0.26
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	5	0.26
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	5	0.26
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	5	0.26
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG11	1	0.26
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG12	1	0.26
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG13	1	0.26
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD11	1	0.26
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD12	1	0.26
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD13	1	0.26
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG21	1	0.26
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG22	1	0.26
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG23	1	0.26
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	9	0.26
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	9	0.26
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	9	0.26
(3,1771)	1:B:17:LEU:HD21	1:B:53:HIS:HB2	11	0.26
(3,1771)	1:B:17:LEU:HD22	1:B:53:HIS:HB2	11	0.26
(3,1771)	1:B:17:LEU:HD23	1:B:53:HIS:HB2	11	0.26
(3,1771)	1:B:17:LEU:HD21	1:B:17:LEU:HB3	11	0.26
(3,1771)	1:B:17:LEU:HD22	1:B:17:LEU:HB3	11	0.26
(3,1771)	1:B:17:LEU:HD23	1:B:17:LEU:HB3	11	0.26
(3,1659)	1:B:33:VAL:HB	1:B:33:VAL:H	18	0.26
(3,1659)	1:B:33:VAL:HB	1:B:34:GLU:H	18	0.26
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	5	0.26
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	5	0.26
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	5	0.26
(3,1569)	1:B:40:LEU:HB2	1:B:37:LEU:HA	19	0.26
(3,1569)	1:B:40:LEU:HB2	1:B:17:LEU:HA	19	0.26
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	2	0.26
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	2	0.26
(3,1552)	1:B:43:VAL:HG21	1:B:42:THR:H	3	0.26
(3,1552)	1:B:43:VAL:HG22	1:B:42:THR:H	3	0.26
(3,1552)	1:B:43:VAL:HG23	1:B:42:THR:H	3	0.26
(3,1552)	1:B:43:VAL:HG21	1:B:50:ILE:H	3	0.26
(3,1552)	1:B:43:VAL:HG22	1:B:50:ILE:H	3	0.26
(3,1552)	1:B:43:VAL:HG23	1:B:50:ILE:H	3	0.26
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HG3	7	0.26
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HG3	7	0.26
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HG3	7	0.26
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HG2	7	0.26
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HG2	7	0.26
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HG2	7	0.26
(3,1466)	1:B:50:ILE:HD11	1:B:14:GLU:HB2	7	0.26
(3,1466)	1:B:50:ILE:HD12	1:B:14:GLU:HB2	7	0.26
(3,1466)	1:B:50:ILE:HD13	1:B:14:GLU:HB2	7	0.26
(3,1466)	1:B:50:ILE:HD11	1:B:34:GLU:HG2	7	0.26
(3,1466)	1:B:50:ILE:HD12	1:B:34:GLU:HG2	7	0.26
(3,1466)	1:B:50:ILE:HD13	1:B:34:GLU:HG2	7	0.26
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HB3	7	0.26
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HB3	7	0.26
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HB3	7	0.26
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HB2	7	0.26
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HB2	7	0.26
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HB2	7	0.26
(3,1244)	1:B:122:GLY:HA2	1:B:118:LEU:HB2	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1244)	1:B:122:GLY:HA2	1:B:126:GLU:HB3	9	0.26
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG11	7	0.26
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG12	7	0.26
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG13	7	0.26
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG21	7	0.26
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG22	7	0.26
(3,1128)	1:B:76:TRP:HB3	1:B:74:VAL:HG23	7	0.26
(3,1128)	1:B:72:HIS:HB2	1:B:74:VAL:HG11	7	0.26
(3,1128)	1:B:72:HIS:HB2	1:B:74:VAL:HG12	7	0.26
(3,1128)	1:B:72:HIS:HB2	1:B:74:VAL:HG13	7	0.26
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	6	0.26
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	6	0.26
(2,57)	1:B:6:ALA:HB1	1:B:49:GLN:HG2	12	0.26
(2,57)	1:B:6:ALA:HB2	1:B:49:GLN:HG2	12	0.26
(2,57)	1:B:6:ALA:HB3	1:B:49:GLN:HG2	12	0.26
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	16	0.26
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	16	0.26
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	16	0.26
(1,975)	1:B:130:LEU:HD11	1:B:129:GLU:HA	3	0.26
(1,975)	1:B:130:LEU:HD12	1:B:129:GLU:HA	3	0.26
(1,975)	1:B:130:LEU:HD13	1:B:129:GLU:HA	3	0.26
(1,816)	1:B:138:LEU:H	1:B:138:LEU:HB2	16	0.26
(1,816)	1:B:138:LEU:H	1:B:138:LEU:HB3	16	0.26
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG3	11	0.26
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG2	11	0.26
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	18	0.26
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE1	8	0.26
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE2	8	0.26
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE3	8	0.26
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	8	0.26
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	8	0.26
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	8	0.26
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	17	0.26
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	17	0.26
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	17	0.26
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	8	0.26
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	8	0.26
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	11	0.26
(1,2751)	1:B:108:LYS:HG2	1:B:108:LYS:H	14	0.26
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	6	0.26
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	6	0.26
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2638)	1:B:10:SER:HB3	1:B:11:PRO:HG3	17	0.26
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	3	0.26
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	3	0.26
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	3	0.26
(1,2484)	1:B:25:LYS:HD3	1:B:22:LEU:HD21	16	0.26
(1,2484)	1:B:25:LYS:HD3	1:B:22:LEU:HD22	16	0.26
(1,2484)	1:B:25:LYS:HD3	1:B:22:LEU:HD23	16	0.26
(1,2484)	1:B:25:LYS:HD2	1:B:22:LEU:HD21	16	0.26
(1,2484)	1:B:25:LYS:HD2	1:B:22:LEU:HD22	16	0.26
(1,2484)	1:B:25:LYS:HD2	1:B:22:LEU:HD23	16	0.26
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	11	0.26
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	18	0.26
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	4	0.26
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	4	0.26
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	4	0.26
(1,2293)	1:B:43:VAL:HB	1:B:44:PRO:HD2	12	0.26
(1,2278)	1:B:43:VAL:HG21	1:B:45:ARG:HB3	20	0.26
(1,2278)	1:B:43:VAL:HG22	1:B:45:ARG:HB3	20	0.26
(1,2278)	1:B:43:VAL:HG23	1:B:45:ARG:HB3	20	0.26
(1,2278)	1:B:43:VAL:HG21	1:B:45:ARG:HB2	20	0.26
(1,2278)	1:B:43:VAL:HG22	1:B:45:ARG:HB2	20	0.26
(1,2278)	1:B:43:VAL:HG23	1:B:45:ARG:HB2	20	0.26
(1,2238)	1:B:45:ARG:HB2	1:B:50:ILE:HD11	19	0.26
(1,2238)	1:B:45:ARG:HB2	1:B:50:ILE:HD12	19	0.26
(1,2238)	1:B:45:ARG:HB2	1:B:50:ILE:HD13	19	0.26
(1,2238)	1:B:45:ARG:HB3	1:B:50:ILE:HD11	19	0.26
(1,2238)	1:B:45:ARG:HB3	1:B:50:ILE:HD12	19	0.26
(1,2238)	1:B:45:ARG:HB3	1:B:50:ILE:HD13	19	0.26
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG21	5	0.26
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG22	5	0.26
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG23	5	0.26
(1,1993)	1:B:59:LEU:HB2	1:B:57:MET:HB3	6	0.26
(1,1914)	1:B:64:LYS:HD2	1:B:64:LYS:HA	7	0.26
(1,1914)	1:B:64:LYS:HD3	1:B:64:LYS:HA	7	0.26
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	8	0.26
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	8	0.26
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	8	0.26
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	8	0.26
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	8	0.26
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	8	0.26
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	8	0.26
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	8	0.26
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	8	0.26
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	8	0.26
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	8	0.26
(1,1870)	1:B:71:THR:HB	1:B:71:THR:HA	19	0.26
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	6	0.26
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	6	0.26
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	6	0.26
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	17	0.26
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	17	0.26
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	17	0.26
(1,1799)	1:B:138:LEU:HB3	1:B:136:LYS:HE3	2	0.26
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE2	2	0.26
(1,1799)	1:B:138:LEU:HB2	1:B:136:LYS:HE3	2	0.26
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	15	0.26
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	15	0.26
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	15	0.26
(1,1653)	1:B:89:GLU:HG3	1:B:89:GLU:H	6	0.26
(1,1653)	1:B:89:GLU:HG3	1:B:89:GLU:H	7	0.26
(1,1653)	1:B:89:GLU:HG3	1:B:89:GLU:H	15	0.26
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	2	0.26
(1,1511)	1:B:37:LEU:HB3	1:B:36:ILE:H	18	0.26
(1,1389)	1:B:106:THR:HG21	1:B:83:GLU:HB3	10	0.26
(1,1389)	1:B:106:THR:HG22	1:B:83:GLU:HB3	10	0.26
(1,1389)	1:B:106:THR:HG23	1:B:83:GLU:HB3	10	0.26
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	8	0.26
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	8	0.26
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	8	0.26
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	16	0.26
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	16	0.26
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	16	0.26
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	11	0.26
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	11	0.26
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	11	0.26
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	11	0.26
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	11	0.26
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	11	0.26
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	11	0.26
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	11	0.26
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	11	0.26
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD3	8	0.26
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD2	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	16	0.25
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	16	0.25
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	16	0.25
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	16	0.25
(3,862)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	8	0.25
(3,862)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	8	0.25
(3,862)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	8	0.25
(3,862)	1:B:101:ILE:HD11	1:B:98:LEU:HB3	8	0.25
(3,862)	1:B:101:ILE:HD12	1:B:98:LEU:HB3	8	0.25
(3,862)	1:B:101:ILE:HD13	1:B:98:LEU:HB3	8	0.25
(3,862)	1:B:105:ILE:HD11	1:B:114:ILE:HG13	8	0.25
(3,862)	1:B:105:ILE:HD12	1:B:114:ILE:HG13	8	0.25
(3,862)	1:B:105:ILE:HD13	1:B:114:ILE:HG13	8	0.25
(3,862)	1:B:101:ILE:HD11	1:B:114:ILE:HG13	8	0.25
(3,862)	1:B:101:ILE:HD12	1:B:114:ILE:HG13	8	0.25
(3,862)	1:B:101:ILE:HD13	1:B:114:ILE:HG13	8	0.25
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	19	0.25
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	19	0.25
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	19	0.25
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	19	0.25
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	19	0.25
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	19	0.25
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD11	20	0.25
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD12	20	0.25
(3,73)	1:B:36:ILE:H	1:B:51:ILE:HD13	20	0.25
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD21	20	0.25
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD22	20	0.25
(3,73)	1:B:36:ILE:H	1:B:17:LEU:HD23	20	0.25
(3,722)	1:B:27:VAL:HG11	1:B:30:GLN:HE21	19	0.25
(3,722)	1:B:27:VAL:HG12	1:B:30:GLN:HE21	19	0.25
(3,722)	1:B:27:VAL:HG13	1:B:30:GLN:HE21	19	0.25
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE1	19	0.25
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE2	19	0.25
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE1	19	0.25
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE2	19	0.25
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE1	19	0.25
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE2	19	0.25
(3,711)	1:B:87:LEU:HD11	1:B:91:PHE:H	18	0.25
(3,711)	1:B:87:LEU:HD12	1:B:91:PHE:H	18	0.25
(3,711)	1:B:87:LEU:HD13	1:B:91:PHE:H	18	0.25
(3,711)	1:B:87:LEU:HD11	1:B:100:HIS:H	18	0.25
(3,711)	1:B:87:LEU:HD12	1:B:100:HIS:H	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,711)	1:B:87:LEU:HD13	1:B:100:HIS:H	18	0.25
(3,697)	1:B:115:VAL:HG21	1:B:116:ASP:HA	12	0.25
(3,697)	1:B:115:VAL:HG22	1:B:116:ASP:HA	12	0.25
(3,697)	1:B:115:VAL:HG23	1:B:116:ASP:HA	12	0.25
(3,697)	1:B:115:VAL:HG21	1:B:113:ARG:HA	12	0.25
(3,697)	1:B:115:VAL:HG22	1:B:113:ARG:HA	12	0.25
(3,697)	1:B:115:VAL:HG23	1:B:113:ARG:HA	12	0.25
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	16	0.25
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	16	0.25
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	16	0.25
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	16	0.25
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	16	0.25
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	16	0.25
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	16	0.25
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	16	0.25
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	16	0.25
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	16	0.25
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	16	0.25
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	16	0.25
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	14	0.25
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	14	0.25
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	14	0.25
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	14	0.25
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	14	0.25
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	14	0.25
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	14	0.25
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	14	0.25
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	14	0.25
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	14	0.25
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	14	0.25
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	14	0.25
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	10	0.25
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	10	0.25
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	10	0.25
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	10	0.25
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	10	0.25
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	10	0.25
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	10	0.25
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	10	0.25
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	10	0.25
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB1	3	0.25
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB2	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB3	3	0.25
(3,504)	1:B:13:GLU:HG3	1:B:40:LEU:HB3	3	0.25
(3,504)	1:B:13:GLU:HG3	1:B:17:LEU:HG	3	0.25
(3,504)	1:B:13:GLU:HG2	1:B:40:LEU:HB3	3	0.25
(3,504)	1:B:13:GLU:HG2	1:B:45:ARG:HG2	3	0.25
(3,504)	1:B:13:GLU:HG3	1:B:45:ARG:HG2	3	0.25
(3,504)	1:B:13:GLU:HG2	1:B:17:LEU:HG	3	0.25
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB1	17	0.25
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB2	17	0.25
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB3	17	0.25
(3,504)	1:B:13:GLU:HG3	1:B:40:LEU:HB3	17	0.25
(3,504)	1:B:13:GLU:HG3	1:B:17:LEU:HG	17	0.25
(3,504)	1:B:13:GLU:HG2	1:B:40:LEU:HB3	17	0.25
(3,504)	1:B:13:GLU:HG2	1:B:45:ARG:HG2	17	0.25
(3,504)	1:B:13:GLU:HG3	1:B:45:ARG:HG2	17	0.25
(3,504)	1:B:13:GLU:HG2	1:B:17:LEU:HG	17	0.25
(3,451)	1:B:86:ARG:HD3	1:B:82:LEU:HD11	7	0.25
(3,451)	1:B:86:ARG:HD3	1:B:82:LEU:HD12	7	0.25
(3,451)	1:B:86:ARG:HD3	1:B:82:LEU:HD13	7	0.25
(3,451)	1:B:127:ARG:HD3	1:B:115:VAL:HG21	7	0.25
(3,451)	1:B:127:ARG:HD3	1:B:115:VAL:HG22	7	0.25
(3,451)	1:B:127:ARG:HD3	1:B:115:VAL:HG23	7	0.25
(3,451)	1:B:18:ARG:HD2	1:B:22:LEU:HD11	7	0.25
(3,451)	1:B:18:ARG:HD2	1:B:22:LEU:HD12	7	0.25
(3,451)	1:B:18:ARG:HD2	1:B:22:LEU:HD13	7	0.25
(3,451)	1:B:18:ARG:HD2	1:B:22:LEU:HD21	7	0.25
(3,451)	1:B:18:ARG:HD2	1:B:22:LEU:HD22	7	0.25
(3,451)	1:B:18:ARG:HD2	1:B:22:LEU:HD23	7	0.25
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG3	17	0.25
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG2	17	0.25
(3,439)	1:B:14:GLU:HB3	1:B:17:LEU:HG	17	0.25
(3,232)	1:B:104:ASN:H	1:B:87:LEU:HB3	7	0.25
(3,232)	1:B:104:ASN:H	1:B:105:ILE:HG12	7	0.25
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG21	1	0.25
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG22	1	0.25
(3,1878)	1:B:118:LEU:HD21	1:B:114:ILE:HG23	1	0.25
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG21	1	0.25
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG22	1	0.25
(3,1878)	1:B:118:LEU:HD22	1:B:114:ILE:HG23	1	0.25
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG21	1	0.25
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG22	1	0.25
(3,1878)	1:B:118:LEU:HD23	1:B:114:ILE:HG23	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD21	1	0.25
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD22	1	0.25
(3,1878)	1:B:118:LEU:HD21	1:B:130:LEU:HD23	1	0.25
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD21	1	0.25
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD22	1	0.25
(3,1878)	1:B:118:LEU:HD22	1:B:130:LEU:HD23	1	0.25
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD21	1	0.25
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD22	1	0.25
(3,1878)	1:B:118:LEU:HD23	1:B:130:LEU:HD23	1	0.25
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	9	0.25
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	9	0.25
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	9	0.25
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	9	0.25
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	9	0.25
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	9	0.25
(3,1756)	1:B:18:ARG:HD3	1:B:18:ARG:HB3	1	0.25
(3,1756)	1:B:18:ARG:HD3	1:B:22:LEU:HG	1	0.25
(3,1756)	1:B:18:ARG:HD3	1:B:18:ARG:HB3	7	0.25
(3,1756)	1:B:18:ARG:HD3	1:B:22:LEU:HG	7	0.25
(3,1575)	1:B:40:LEU:HD11	1:B:45:ARG:HD3	10	0.25
(3,1575)	1:B:40:LEU:HD12	1:B:45:ARG:HD3	10	0.25
(3,1575)	1:B:40:LEU:HD13	1:B:45:ARG:HD3	10	0.25
(3,1575)	1:B:40:LEU:HD11	1:B:14:GLU:HG2	10	0.25
(3,1575)	1:B:40:LEU:HD12	1:B:14:GLU:HG2	10	0.25
(3,1575)	1:B:40:LEU:HD13	1:B:14:GLU:HG2	10	0.25
(3,1575)	1:B:40:LEU:HD11	1:B:9:TRP:HB2	10	0.25
(3,1575)	1:B:40:LEU:HD12	1:B:9:TRP:HB2	10	0.25
(3,1575)	1:B:40:LEU:HD13	1:B:9:TRP:HB2	10	0.25
(3,1575)	1:B:40:LEU:HD11	1:B:53:HIS:HB3	10	0.25
(3,1575)	1:B:40:LEU:HD12	1:B:53:HIS:HB3	10	0.25
(3,1575)	1:B:40:LEU:HD13	1:B:53:HIS:HB3	10	0.25
(3,1575)	1:B:40:LEU:HD11	1:B:41:ASN:HB3	10	0.25
(3,1575)	1:B:40:LEU:HD12	1:B:41:ASN:HB3	10	0.25
(3,1575)	1:B:40:LEU:HD13	1:B:41:ASN:HB3	10	0.25
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	3	0.25
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	3	0.25
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	3	0.25
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	3	0.25
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	3	0.25
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	3	0.25
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	3	0.25
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	3	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	15	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	15	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	15	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	15	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	15	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	15	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	15	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	15	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	15	0.25
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	15	0.25
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	15	0.25
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	15	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	15	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	15	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	15	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	18	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	18	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	18	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	18	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	18	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	18	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	18	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	18	0.25
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	18	0.25
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	18	0.25
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	18	0.25
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	18	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	18	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	18	0.25
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	18	0.25
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	3	0.25
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	3	0.25
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	3	0.25
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	3	0.25
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	3	0.25
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	3	0.25
(3,1185)	1:B:73:ILE:HD11	1:B:80:GLN:HB2	18	0.25
(3,1185)	1:B:73:ILE:HD12	1:B:80:GLN:HB2	18	0.25
(3,1185)	1:B:73:ILE:HD13	1:B:80:GLN:HB2	18	0.25
(3,1185)	1:B:73:ILE:HD11	1:B:83:GLU:HB2	18	0.25
(3,1185)	1:B:73:ILE:HD12	1:B:83:GLU:HB2	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1185)	1:B:73:ILE:HD13	1:B:83:GLU:HB2	18	0.25
(3,1185)	1:B:73:ILE:HD11	1:B:109:ARG:HD3	18	0.25
(3,1185)	1:B:73:ILE:HD12	1:B:109:ARG:HD3	18	0.25
(3,1185)	1:B:73:ILE:HD13	1:B:109:ARG:HD3	18	0.25
(3,1185)	1:B:73:ILE:HD11	1:B:89:GLU:HG2	18	0.25
(3,1185)	1:B:73:ILE:HD12	1:B:89:GLU:HG2	18	0.25
(3,1185)	1:B:73:ILE:HD13	1:B:89:GLU:HG2	18	0.25
(3,1182)	1:B:74:VAL:HG21	1:B:109:ARG:HB2	17	0.25
(3,1182)	1:B:74:VAL:HG22	1:B:109:ARG:HB2	17	0.25
(3,1182)	1:B:74:VAL:HG23	1:B:109:ARG:HB2	17	0.25
(3,1182)	1:B:74:VAL:HG21	1:B:73:ILE:HB	17	0.25
(3,1182)	1:B:74:VAL:HG22	1:B:73:ILE:HB	17	0.25
(3,1182)	1:B:74:VAL:HG23	1:B:73:ILE:HB	17	0.25
(2,52)	1:B:35:ALA:HB1	1:B:33:VAL:HB	5	0.25
(2,52)	1:B:35:ALA:HB2	1:B:33:VAL:HB	5	0.25
(2,52)	1:B:35:ALA:HB3	1:B:33:VAL:HB	5	0.25
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD21	11	0.25
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD22	11	0.25
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD23	11	0.25
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD21	11	0.25
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD22	11	0.25
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD23	11	0.25
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD11	11	0.25
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD12	11	0.25
(1,995)	1:B:129:GLU:HG3	1:B:130:LEU:HD13	11	0.25
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD11	11	0.25
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD12	11	0.25
(1,995)	1:B:129:GLU:HG2	1:B:130:LEU:HD13	11	0.25
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	8	0.25
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	8	0.25
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	8	0.25
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	11	0.25
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	11	0.25
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	11	0.25
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	8	0.25
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	8	0.25
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	18	0.25
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	18	0.25
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	18	0.25
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE1	5	0.25
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE2	5	0.25
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE3	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE1	13	0.25
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE2	13	0.25
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE3	13	0.25
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	12	0.25
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	12	0.25
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	12	0.25
(1,587)	1:B:92:ARG:H	1:B:92:ARG:HG2	7	0.25
(1,54)	1:B:13:GLU:H	1:B:12:GLU:HB3	6	0.25
(1,431)	1:B:67:GLN:H	1:B:64:LYS:HB3	12	0.25
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	2	0.25
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	5	0.25
(1,31)	1:B:9:TRP:H	1:B:9:TRP:HD1	4	0.25
(1,31)	1:B:9:TRP:H	1:B:9:TRP:HD1	9	0.25
(1,31)	1:B:9:TRP:H	1:B:9:TRP:HD1	10	0.25
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG3	17	0.25
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG2	17	0.25
(1,2484)	1:B:25:LYS:HD3	1:B:22:LEU:HD21	6	0.25
(1,2484)	1:B:25:LYS:HD3	1:B:22:LEU:HD22	6	0.25
(1,2484)	1:B:25:LYS:HD3	1:B:22:LEU:HD23	6	0.25
(1,2484)	1:B:25:LYS:HD2	1:B:22:LEU:HD21	6	0.25
(1,2484)	1:B:25:LYS:HD2	1:B:22:LEU:HD22	6	0.25
(1,2484)	1:B:25:LYS:HD2	1:B:22:LEU:HD23	6	0.25
(1,248)	1:B:40:LEU:H	1:B:37:LEU:HA	3	0.25
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	1	0.25
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	1	0.25
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	1	0.25
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	1	0.25
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD11	9	0.25
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD12	9	0.25
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD13	9	0.25
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD11	9	0.25
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD12	9	0.25
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD13	9	0.25
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD11	9	0.25
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD12	9	0.25
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD13	9	0.25
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD11	18	0.25
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD12	18	0.25
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD13	18	0.25
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD11	18	0.25
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD12	18	0.25
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD13	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD11	18	0.25
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD12	18	0.25
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD13	18	0.25
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	2	0.25
(1,2380)	1:B:37:LEU:HB3	1:B:37:LEU:H	1	0.25
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	8	0.25
(1,2181)	1:B:50:ILE:HD11	1:B:49:GLN:HA	8	0.25
(1,2181)	1:B:50:ILE:HD12	1:B:49:GLN:HA	8	0.25
(1,2181)	1:B:50:ILE:HD13	1:B:49:GLN:HA	8	0.25
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	2	0.25
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	2	0.25
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	2	0.25
(1,2154)	1:B:51:ILE:HD11	1:B:33:VAL:HG21	11	0.25
(1,2154)	1:B:51:ILE:HD11	1:B:33:VAL:HG22	11	0.25
(1,2154)	1:B:51:ILE:HD11	1:B:33:VAL:HG23	11	0.25
(1,2154)	1:B:51:ILE:HD12	1:B:33:VAL:HG21	11	0.25
(1,2154)	1:B:51:ILE:HD12	1:B:33:VAL:HG22	11	0.25
(1,2154)	1:B:51:ILE:HD12	1:B:33:VAL:HG23	11	0.25
(1,2154)	1:B:51:ILE:HD13	1:B:33:VAL:HG21	11	0.25
(1,2154)	1:B:51:ILE:HD13	1:B:33:VAL:HG22	11	0.25
(1,2154)	1:B:51:ILE:HD13	1:B:33:VAL:HG23	11	0.25
(1,2154)	1:B:51:ILE:HD11	1:B:33:VAL:HG11	11	0.25
(1,2154)	1:B:51:ILE:HD11	1:B:33:VAL:HG12	11	0.25
(1,2154)	1:B:51:ILE:HD11	1:B:33:VAL:HG13	11	0.25
(1,2154)	1:B:51:ILE:HD12	1:B:33:VAL:HG11	11	0.25
(1,2154)	1:B:51:ILE:HD12	1:B:33:VAL:HG12	11	0.25
(1,2154)	1:B:51:ILE:HD12	1:B:33:VAL:HG13	11	0.25
(1,2154)	1:B:51:ILE:HD13	1:B:33:VAL:HG11	11	0.25
(1,2154)	1:B:51:ILE:HD13	1:B:33:VAL:HG12	11	0.25
(1,2154)	1:B:51:ILE:HD13	1:B:33:VAL:HG13	11	0.25
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	4	0.25
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	4	0.25
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	4	0.25
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	4	0.25
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	4	0.25
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	4	0.25
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	4	0.25
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	4	0.25
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	4	0.25
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	10	0.25
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	10	0.25
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	10	0.25
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	10	0.25
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	10	0.25
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	10	0.25
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	10	0.25
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	10	0.25
(1,2031)	1:B:57:MET:HE1	1:B:57:MET:HA	2	0.25
(1,2031)	1:B:57:MET:HE2	1:B:57:MET:HA	2	0.25
(1,2031)	1:B:57:MET:HE3	1:B:57:MET:HA	2	0.25
(1,2031)	1:B:57:MET:HE1	1:B:57:MET:HA	17	0.25
(1,2031)	1:B:57:MET:HE2	1:B:57:MET:HA	17	0.25
(1,2031)	1:B:57:MET:HE3	1:B:57:MET:HA	17	0.25
(1,2024)	1:B:57:MET:HE1	1:B:59:LEU:HG	8	0.25
(1,2024)	1:B:57:MET:HE2	1:B:59:LEU:HG	8	0.25
(1,2024)	1:B:57:MET:HE3	1:B:59:LEU:HG	8	0.25
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	17	0.25
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	17	0.25
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	17	0.25
(1,1914)	1:B:64:LYS:HD2	1:B:64:LYS:HA	12	0.25
(1,1914)	1:B:64:LYS:HD3	1:B:64:LYS:HA	12	0.25
(1,1898)	1:B:65:ASP:HB3	1:B:55:VAL:HG11	11	0.25
(1,1898)	1:B:65:ASP:HB3	1:B:55:VAL:HG12	11	0.25
(1,1898)	1:B:65:ASP:HB3	1:B:55:VAL:HG13	11	0.25
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG21	9	0.25
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG22	9	0.25
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG23	9	0.25
(1,1870)	1:B:71:THR:HB	1:B:71:THR:HA	16	0.25
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	8	0.25
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	8	0.25
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	8	0.25
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	11	0.25
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	11	0.25
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	11	0.25
(1,1814)	1:B:74:VAL:HG21	1:B:113:ARG:HD2	1	0.25
(1,1814)	1:B:74:VAL:HG22	1:B:113:ARG:HD2	1	0.25
(1,1814)	1:B:74:VAL:HG23	1:B:113:ARG:HD2	1	0.25
(1,1814)	1:B:74:VAL:HG21	1:B:113:ARG:HD3	1	0.25
(1,1814)	1:B:74:VAL:HG22	1:B:113:ARG:HD3	1	0.25
(1,1814)	1:B:74:VAL:HG23	1:B:113:ARG:HD3	1	0.25
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	9	0.25
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	9	0.25
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD21	18	0.25
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD22	18	0.25
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD23	18	0.25
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD11	18	0.25
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD12	18	0.25
(1,1727)	1:B:85:GLN:HG3	1:B:82:LEU:HD13	18	0.25
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG11	17	0.25
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG12	17	0.25
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG13	17	0.25
(1,1620)	1:B:90:GLU:HG2	1:B:91:PHE:HD1	16	0.25
(1,1620)	1:B:90:GLU:HG2	1:B:91:PHE:HD2	16	0.25
(1,1529)	1:B:97:VAL:HG21	1:B:101:ILE:H	8	0.25
(1,1529)	1:B:97:VAL:HG22	1:B:101:ILE:H	8	0.25
(1,1529)	1:B:97:VAL:HG23	1:B:101:ILE:H	8	0.25
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD11	6	0.25
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD12	6	0.25
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD13	6	0.25
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD11	6	0.25
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD12	6	0.25
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD13	6	0.25
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD11	6	0.25
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD12	6	0.25
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD13	6	0.25
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD21	6	0.25
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD22	6	0.25
(1,1470)	1:B:36:ILE:HD11	1:B:54:LEU:HD23	6	0.25
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD21	6	0.25
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD22	6	0.25
(1,1470)	1:B:36:ILE:HD12	1:B:54:LEU:HD23	6	0.25
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD21	6	0.25
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD22	6	0.25
(1,1470)	1:B:36:ILE:HD13	1:B:54:LEU:HD23	6	0.25
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	4	0.25
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	19	0.25
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG11	12	0.25
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG12	12	0.25
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG13	12	0.25
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG21	12	0.25
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG22	12	0.25
(1,1355)	1:B:7:PRO:HB2	1:B:43:VAL:HG23	12	0.25
(1,1281)	1:B:114:ILE:HD11	1:B:76:TRP:HZ2	20	0.25
(1,1281)	1:B:114:ILE:HD12	1:B:76:TRP:HZ2	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1281)	1:B:114:ILE:HD13	1:B:76:TRP:HZ2	20	0.25
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	19	0.25
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	19	0.25
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	19	0.25
(1,1096)	1:B:123:LEU:HD21	1:B:85:GLN:HG3	19	0.25
(1,1096)	1:B:123:LEU:HD22	1:B:85:GLN:HG3	19	0.25
(1,1096)	1:B:123:LEU:HD23	1:B:85:GLN:HG3	19	0.25
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	18	0.25
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	18	0.25
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	18	0.25
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD3	11	0.25
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD2	11	0.25
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD2	13	0.24
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD3	13	0.24
(3,988)	1:B:45:ARG:HB2	1:B:52:HIS:HB2	13	0.24
(3,988)	1:B:45:ARG:HB3	1:B:52:HIS:HB2	13	0.24
(3,988)	1:B:45:ARG:HB3	1:B:47:ARG:HD3	13	0.24
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	12	0.24
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	12	0.24
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	12	0.24
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	12	0.24
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	12	0.24
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	12	0.24
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	3	0.24
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	3	0.24
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	3	0.24
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	3	0.24
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	3	0.24
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	3	0.24
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	11	0.24
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	11	0.24
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	11	0.24
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	11	0.24
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	11	0.24
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	11	0.24
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	11	0.24
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	11	0.24
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	11	0.24
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	18	0.24
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	18	0.24
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	18	0.24
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	18	0.24
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	18	0.24
(3,756)	1:B:113:ARG:HD3	1:B:110:SER:H	13	0.24
(3,756)	1:B:18:ARG:HD3	1:B:18:ARG:H	13	0.24
(3,756)	1:B:113:ARG:HD2	1:B:110:SER:H	13	0.24
(3,756)	1:B:113:ARG:HD3	1:B:75:LEU:H	13	0.24
(3,756)	1:B:113:ARG:HD3	1:B:74:VAL:H	13	0.24
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	3	0.24
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	3	0.24
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	3	0.24
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	3	0.24
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	3	0.24
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	3	0.24
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	3	0.24
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	3	0.24
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	3	0.24
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	3	0.24
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	3	0.24
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	3	0.24
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	3	0.24
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	3	0.24
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	3	0.24
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	3	0.24
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	3	0.24
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	3	0.24
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE1	12	0.24
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE2	12	0.24
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE3	12	0.24
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE1	12	0.24
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE2	12	0.24
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE3	12	0.24
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE1	12	0.24
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE2	12	0.24
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE3	12	0.24
(3,734)	1:B:114:ILE:HG21	1:B:115:VAL:HB	12	0.24
(3,734)	1:B:114:ILE:HG22	1:B:115:VAL:HB	12	0.24
(3,734)	1:B:114:ILE:HG23	1:B:115:VAL:HB	12	0.24
(3,711)	1:B:87:LEU:HD11	1:B:91:PHE:H	19	0.24
(3,711)	1:B:87:LEU:HD12	1:B:91:PHE:H	19	0.24
(3,711)	1:B:87:LEU:HD13	1:B:91:PHE:H	19	0.24
(3,711)	1:B:87:LEU:HD11	1:B:100:HIS:H	19	0.24
(3,711)	1:B:87:LEU:HD12	1:B:100:HIS:H	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,711)	1:B:87:LEU:HD13	1:B:100:HIS:H	19	0.24
(3,697)	1:B:115:VAL:HG21	1:B:116:ASP:HA	13	0.24
(3,697)	1:B:115:VAL:HG22	1:B:116:ASP:HA	13	0.24
(3,697)	1:B:115:VAL:HG23	1:B:116:ASP:HA	13	0.24
(3,697)	1:B:115:VAL:HG21	1:B:113:ARG:HA	13	0.24
(3,697)	1:B:115:VAL:HG22	1:B:113:ARG:HA	13	0.24
(3,697)	1:B:115:VAL:HG23	1:B:113:ARG:HA	13	0.24
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD11	16	0.24
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD12	16	0.24
(3,689)	1:B:33:VAL:HG21	1:B:54:LEU:HD13	16	0.24
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD11	16	0.24
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD12	16	0.24
(3,689)	1:B:33:VAL:HG22	1:B:54:LEU:HD13	16	0.24
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD11	16	0.24
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD12	16	0.24
(3,689)	1:B:33:VAL:HG23	1:B:54:LEU:HD13	16	0.24
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD11	16	0.24
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD12	16	0.24
(3,689)	1:B:22:LEU:HD21	1:B:54:LEU:HD13	16	0.24
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD11	16	0.24
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD12	16	0.24
(3,689)	1:B:22:LEU:HD22	1:B:54:LEU:HD13	16	0.24
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD11	16	0.24
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD12	16	0.24
(3,689)	1:B:22:LEU:HD23	1:B:54:LEU:HD13	16	0.24
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG21	12	0.24
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG22	12	0.24
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG23	12	0.24
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD11	12	0.24
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD12	12	0.24
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD13	12	0.24
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	14	0.24
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	14	0.24
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	14	0.24
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	14	0.24
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	14	0.24
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	14	0.24
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	14	0.24
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	15	0.24
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	15	0.24
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	15	0.24
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	15	0.24
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	15	0.24
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	15	0.24
(3,630)	1:B:37:LEU:HD21	1:B:47:ARG:HA	6	0.24
(3,630)	1:B:37:LEU:HD22	1:B:47:ARG:HA	6	0.24
(3,630)	1:B:37:LEU:HD23	1:B:47:ARG:HA	6	0.24
(3,630)	1:B:59:LEU:HD11	1:B:18:ARG:HA	6	0.24
(3,630)	1:B:59:LEU:HD12	1:B:18:ARG:HA	6	0.24
(3,630)	1:B:59:LEU:HD13	1:B:18:ARG:HA	6	0.24
(3,550)	1:B:124:VAL:HG11	1:B:118:LEU:HB3	12	0.24
(3,550)	1:B:124:VAL:HG12	1:B:118:LEU:HB3	12	0.24
(3,550)	1:B:124:VAL:HG13	1:B:118:LEU:HB3	12	0.24
(3,550)	1:B:124:VAL:HG11	1:B:119:LEU:HG	12	0.24
(3,550)	1:B:124:VAL:HG12	1:B:119:LEU:HG	12	0.24
(3,550)	1:B:124:VAL:HG13	1:B:119:LEU:HG	12	0.24
(3,428)	1:B:4:ARG:HA	1:B:4:ARG:HG2	4	0.24
(3,428)	1:B:4:ARG:HA	1:B:4:ARG:HG3	4	0.24
(3,428)	1:B:137:LYS:HA	1:B:137:LYS:HD3	4	0.24
(3,428)	1:B:136:LYS:HA	1:B:136:LYS:HD3	4	0.24
(3,428)	1:B:136:LYS:HA	1:B:136:LYS:HD2	4	0.24
(3,428)	1:B:137:LYS:HA	1:B:138:LEU:HB3	4	0.24
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD21	18	0.24
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD22	18	0.24
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD23	18	0.24
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD21	18	0.24
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD22	18	0.24
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD23	18	0.24
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD21	18	0.24
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD22	18	0.24
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD23	18	0.24
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG11	18	0.24
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG12	18	0.24
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG13	18	0.24
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD21	18	0.24
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD22	18	0.24
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD23	18	0.24
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG11	18	0.24
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG12	18	0.24
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG13	18	0.24
(3,395)	1:B:48:LYS:HE3	1:B:52:HIS:HE1	17	0.24
(3,395)	1:B:48:LYS:HE2	1:B:52:HIS:HE1	17	0.24
(3,395)	1:B:64:LYS:HE3	1:B:67:GLN:H	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,395)	1:B:64:LYS:HE2	1:B:67:GLN:H	17	0.24
(3,371)	1:B:98:LEU:HD11	1:B:101:ILE:HA	19	0.24
(3,371)	1:B:98:LEU:HD12	1:B:101:ILE:HA	19	0.24
(3,371)	1:B:98:LEU:HD13	1:B:101:ILE:HA	19	0.24
(3,371)	1:B:98:LEU:HD11	1:B:97:VAL:HA	19	0.24
(3,371)	1:B:98:LEU:HD12	1:B:97:VAL:HA	19	0.24
(3,371)	1:B:98:LEU:HD13	1:B:97:VAL:HA	19	0.24
(3,349)	1:B:33:VAL:HG11	1:B:37:LEU:H	10	0.24
(3,349)	1:B:33:VAL:HG12	1:B:37:LEU:H	10	0.24
(3,349)	1:B:33:VAL:HG13	1:B:37:LEU:H	10	0.24
(3,349)	1:B:130:LEU:HD21	1:B:115:VAL:H	10	0.24
(3,349)	1:B:130:LEU:HD22	1:B:115:VAL:H	10	0.24
(3,349)	1:B:130:LEU:HD23	1:B:115:VAL:H	10	0.24
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD3	19	0.24
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD2	19	0.24
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD2	19	0.24
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD3	19	0.24
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	8	0.24
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	8	0.24
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	8	0.24
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	8	0.24
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	8	0.24
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	8	0.24
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	8	0.24
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	8	0.24
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	8	0.24
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	8	0.24
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	8	0.24
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	8	0.24
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	2	0.24
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	2	0.24
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	2	0.24
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	2	0.24
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	7	0.24
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	7	0.24
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	7	0.24
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	7	0.24
(3,1770)	1:B:17:LEU:HD21	1:B:14:GLU:HB2	14	0.24
(3,1770)	1:B:17:LEU:HD22	1:B:14:GLU:HB2	14	0.24
(3,1770)	1:B:17:LEU:HD23	1:B:14:GLU:HB2	14	0.24
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG3	14	0.24
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG3	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG3	14	0.24
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG2	14	0.24
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG2	14	0.24
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG2	14	0.24
(3,1770)	1:B:17:LEU:HD21	1:B:33:VAL:HB	14	0.24
(3,1770)	1:B:17:LEU:HD22	1:B:33:VAL:HB	14	0.24
(3,1770)	1:B:17:LEU:HD23	1:B:33:VAL:HB	14	0.24
(3,1610)	1:B:37:LEU:HD21	1:B:36:ILE:H	15	0.24
(3,1610)	1:B:37:LEU:HD22	1:B:36:ILE:H	15	0.24
(3,1610)	1:B:37:LEU:HD23	1:B:36:ILE:H	15	0.24
(3,1610)	1:B:119:LEU:HD21	1:B:116:ASP:H	15	0.24
(3,1610)	1:B:119:LEU:HD22	1:B:116:ASP:H	15	0.24
(3,1610)	1:B:119:LEU:HD23	1:B:116:ASP:H	15	0.24
(3,1565)	1:B:40:LEU:HB2	1:B:41:ASN:HB3	9	0.24
(3,1565)	1:B:40:LEU:HB2	1:B:45:ARG:HD3	9	0.24
(3,1565)	1:B:22:LEU:HB2	1:B:26:ASP:HB2	9	0.24
(3,1565)	1:B:40:LEU:HB2	1:B:53:HIS:HB3	9	0.24
(3,1545)	1:B:43:VAL:HG11	1:B:7:PRO:HB2	9	0.24
(3,1545)	1:B:43:VAL:HG12	1:B:7:PRO:HB2	9	0.24
(3,1545)	1:B:43:VAL:HG13	1:B:7:PRO:HB2	9	0.24
(3,1545)	1:B:43:VAL:HG11	1:B:45:ARG:HB3	9	0.24
(3,1545)	1:B:43:VAL:HG12	1:B:45:ARG:HB3	9	0.24
(3,1545)	1:B:43:VAL:HG13	1:B:45:ARG:HB3	9	0.24
(3,1545)	1:B:43:VAL:HG11	1:B:45:ARG:HB2	9	0.24
(3,1545)	1:B:43:VAL:HG12	1:B:45:ARG:HB2	9	0.24
(3,1545)	1:B:43:VAL:HG13	1:B:45:ARG:HB2	9	0.24
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	6	0.24
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	6	0.24
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	6	0.24
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	6	0.24
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	6	0.24
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	6	0.24
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	6	0.24
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	6	0.24
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	6	0.24
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	8	0.24
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	8	0.24
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	8	0.24
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	13	0.24
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	13	0.24
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	13	0.24
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	16	0.24
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	16	0.24
(3,1134)	1:B:52:HIS:HB3	1:B:48:LYS:HG3	20	0.24
(3,1134)	1:B:72:HIS:HB3	1:B:121:LEU:HG	20	0.24
(3,1134)	1:B:72:HIS:HB3	1:B:117:LYS:HB3	20	0.24
(3,1134)	1:B:52:HIS:HB3	1:B:51:ILE:HG12	20	0.24
(3,1134)	1:B:72:HIS:HB3	1:B:119:LEU:HB3	20	0.24
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	8	0.24
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	8	0.24
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	8	0.24
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	8	0.24
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	8	0.24
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	8	0.24
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	8	0.24
(3,1063)	1:B:85:GLN:HG2	1:B:86:ARG:HG3	3	0.24
(3,1063)	1:B:85:GLN:HG2	1:B:82:LEU:HB3	3	0.24
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	8	0.24
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	8	0.24
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	8	0.24
(1,954)	1:B:131:TYR:HE1	1:B:127:ARG:HG2	4	0.24
(1,954)	1:B:131:TYR:HE2	1:B:127:ARG:HG2	4	0.24
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	14	0.24
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	14	0.24
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	14	0.24
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	3	0.24
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	3	0.24
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	3	0.24
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	15	0.24
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	15	0.24
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	15	0.24
(1,608)	1:B:94:SER:H	1:B:91:PHE:HA	12	0.24
(1,409)	1:B:64:LYS:H	1:B:65:ASP:HB3	14	0.24
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	14	0.24
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	17	0.24
(1,3)	1:B:102:MET:H	1:B:102:MET:HG3	12	0.24
(1,2710)	1:B:87:LEU:HD11	1:B:104:ASN:HB2	1	0.24
(1,2710)	1:B:87:LEU:HD12	1:B:104:ASN:HB2	1	0.24
(1,2710)	1:B:87:LEU:HD13	1:B:104:ASN:HB2	1	0.24
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	15	0.24
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	15	0.24
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	15	0.24
(1,2651)	1:B:9:TRP:HZ2	1:B:49:GLN:HG2	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	16	0.24
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	16	0.24
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	16	0.24
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	17	0.24
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	17	0.24
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	17	0.24
(1,2397)	1:B:35:ALA:HB1	1:B:39:HIS:HB3	20	0.24
(1,2397)	1:B:35:ALA:HB2	1:B:39:HIS:HB3	20	0.24
(1,2397)	1:B:35:ALA:HB3	1:B:39:HIS:HB3	20	0.24
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	20	0.24
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	20	0.24
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	20	0.24
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	20	0.24
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	20	0.24
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	20	0.24
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	20	0.24
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	20	0.24
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	20	0.24
(1,2386)	1:B:36:ILE:HB	1:B:33:VAL:HA	10	0.24
(1,2300)	1:B:43:VAL:HG21	1:B:53:HIS:HD2	10	0.24
(1,2300)	1:B:43:VAL:HG22	1:B:53:HIS:HD2	10	0.24
(1,2300)	1:B:43:VAL:HG23	1:B:53:HIS:HD2	10	0.24
(1,2241)	1:B:45:ARG:HD3	1:B:53:HIS:HD2	8	0.24
(1,2238)	1:B:45:ARG:HB2	1:B:50:ILE:HD11	17	0.24
(1,2238)	1:B:45:ARG:HB2	1:B:50:ILE:HD12	17	0.24
(1,2238)	1:B:45:ARG:HB2	1:B:50:ILE:HD13	17	0.24
(1,2238)	1:B:45:ARG:HB3	1:B:50:ILE:HD11	17	0.24
(1,2238)	1:B:45:ARG:HB3	1:B:50:ILE:HD12	17	0.24
(1,2238)	1:B:45:ARG:HB3	1:B:50:ILE:HD13	17	0.24
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	18	0.24
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	18	0.24
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	18	0.24
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD11	2	0.24
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD12	2	0.24
(1,2134)	1:B:51:ILE:HD11	1:B:54:LEU:HD13	2	0.24
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD11	2	0.24
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD12	2	0.24
(1,2134)	1:B:51:ILE:HD12	1:B:54:LEU:HD13	2	0.24
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD11	2	0.24
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD12	2	0.24
(1,2134)	1:B:51:ILE:HD13	1:B:54:LEU:HD13	2	0.24
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG21	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG22	1	0.24
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG23	1	0.24
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	13	0.24
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	13	0.24
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	13	0.24
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	13	0.24
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	13	0.24
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	13	0.24
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	13	0.24
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	13	0.24
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	13	0.24
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	16	0.24
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	16	0.24
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	16	0.24
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	16	0.24
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	16	0.24
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	16	0.24
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	16	0.24
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	16	0.24
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	16	0.24
(1,2063)	1:B:55:VAL:HG11	1:B:60:ALA:HB1	3	0.24
(1,2063)	1:B:55:VAL:HG11	1:B:60:ALA:HB2	3	0.24
(1,2063)	1:B:55:VAL:HG11	1:B:60:ALA:HB3	3	0.24
(1,2063)	1:B:55:VAL:HG12	1:B:60:ALA:HB1	3	0.24
(1,2063)	1:B:55:VAL:HG12	1:B:60:ALA:HB2	3	0.24
(1,2063)	1:B:55:VAL:HG12	1:B:60:ALA:HB3	3	0.24
(1,2063)	1:B:55:VAL:HG13	1:B:60:ALA:HB1	3	0.24
(1,2063)	1:B:55:VAL:HG13	1:B:60:ALA:HB2	3	0.24
(1,2063)	1:B:55:VAL:HG13	1:B:60:ALA:HB3	3	0.24
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	4	0.24
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	4	0.24
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	4	0.24
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	2	0.24
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	2	0.24
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	2	0.24
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG21	6	0.24
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG22	6	0.24
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG23	6	0.24
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	3	0.24
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	3	0.24
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	3	0.24
(1,177)	1:B:30:GLN:HE22	1:B:35:ALA:HB1	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:B:30:GLN:HE22	1:B:35:ALA:HB2	6	0.24
(1,177)	1:B:30:GLN:HE22	1:B:35:ALA:HB3	6	0.24
(1,1633)	1:B:90:GLU:HG3	1:B:86:ARG:HA	12	0.24
(1,1620)	1:B:90:GLU:HG2	1:B:91:PHE:HD1	7	0.24
(1,1620)	1:B:90:GLU:HG2	1:B:91:PHE:HD2	7	0.24
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG21	10	0.24
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG22	10	0.24
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG23	10	0.24
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG21	10	0.24
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG22	10	0.24
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG23	10	0.24
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG21	20	0.24
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG22	20	0.24
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG23	20	0.24
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG21	20	0.24
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG22	20	0.24
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG23	20	0.24
(1,1549)	1:B:65:ASP:HB3	1:B:64:LYS:HB2	3	0.24
(1,1509)	1:B:98:LEU:HD21	1:B:101:ILE:H	13	0.24
(1,1509)	1:B:98:LEU:HD22	1:B:101:ILE:H	13	0.24
(1,1509)	1:B:98:LEU:HD23	1:B:101:ILE:H	13	0.24
(1,1469)	1:B:105:ILE:HD11	1:B:80:GLN:HE21	8	0.24
(1,1469)	1:B:105:ILE:HD12	1:B:80:GLN:HE21	8	0.24
(1,1469)	1:B:105:ILE:HD13	1:B:80:GLN:HE21	8	0.24
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE2	7	0.24
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE2	7	0.24
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE2	7	0.24
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE3	7	0.24
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE3	7	0.24
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE3	7	0.24
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE2	15	0.24
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE2	15	0.24
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE2	15	0.24
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE3	15	0.24
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE3	15	0.24
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE3	15	0.24
(1,1268)	1:B:114:ILE:HG21	1:B:111:ARG:HA	20	0.24
(1,1268)	1:B:114:ILE:HG22	1:B:111:ARG:HA	20	0.24
(1,1268)	1:B:114:ILE:HG23	1:B:111:ARG:HA	20	0.24
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	15	0.24
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	15	0.24
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:B:119:LEU:HG	1:B:126:GLU:H	17	0.24
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	17	0.24
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	17	0.24
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	17	0.24
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	17	0.24
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	17	0.24
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	17	0.24
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	17	0.24
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	17	0.24
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	17	0.24
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HB2	20	0.24
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HB2	20	0.24
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HB2	20	0.24
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HG3	20	0.24
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HG3	20	0.24
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HG3	20	0.24
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HB3	20	0.24
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HB3	20	0.24
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HB3	20	0.24
(1,1081)	1:B:124:VAL:HG21	1:B:126:GLU:H	18	0.24
(1,1081)	1:B:124:VAL:HG22	1:B:126:GLU:H	18	0.24
(1,1081)	1:B:124:VAL:HG23	1:B:126:GLU:H	18	0.24
(1,1080)	1:B:124:VAL:HG11	1:B:88:PHE:HE1	5	0.24
(1,1080)	1:B:124:VAL:HG11	1:B:88:PHE:HE2	5	0.24
(1,1080)	1:B:124:VAL:HG12	1:B:88:PHE:HE1	5	0.24
(1,1080)	1:B:124:VAL:HG12	1:B:88:PHE:HE2	5	0.24
(1,1080)	1:B:124:VAL:HG13	1:B:88:PHE:HE1	5	0.24
(1,1080)	1:B:124:VAL:HG13	1:B:88:PHE:HE2	5	0.24
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	8	0.24
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	8	0.24
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	8	0.24
(1,1076)	1:B:124:VAL:HG11	1:B:115:VAL:HA	4	0.24
(1,1076)	1:B:124:VAL:HG12	1:B:115:VAL:HA	4	0.24
(1,1076)	1:B:124:VAL:HG13	1:B:115:VAL:HA	4	0.24
(3,862)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	13	0.23
(3,862)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	13	0.23
(3,862)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	13	0.23
(3,862)	1:B:101:ILE:HD11	1:B:98:LEU:HB3	13	0.23
(3,862)	1:B:101:ILE:HD12	1:B:98:LEU:HB3	13	0.23
(3,862)	1:B:101:ILE:HD13	1:B:98:LEU:HB3	13	0.23
(3,862)	1:B:105:ILE:HD11	1:B:114:ILE:HG13	13	0.23
(3,862)	1:B:105:ILE:HD12	1:B:114:ILE:HG13	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,862)	1:B:105:ILE:HD13	1:B:114:ILE:HG13	13	0.23
(3,862)	1:B:101:ILE:HD11	1:B:114:ILE:HG13	13	0.23
(3,862)	1:B:101:ILE:HD12	1:B:114:ILE:HG13	13	0.23
(3,862)	1:B:101:ILE:HD13	1:B:114:ILE:HG13	13	0.23
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE1	1	0.23
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE2	1	0.23
(3,830)	1:B:31:ASP:HB3	1:B:30:GLN:HE21	1	0.23
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE1	8	0.23
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE2	8	0.23
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE3	8	0.23
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE1	8	0.23
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE2	8	0.23
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE3	8	0.23
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE1	8	0.23
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE2	8	0.23
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE3	8	0.23
(3,734)	1:B:114:ILE:HG21	1:B:115:VAL:HB	8	0.23
(3,734)	1:B:114:ILE:HG22	1:B:115:VAL:HB	8	0.23
(3,734)	1:B:114:ILE:HG23	1:B:115:VAL:HB	8	0.23
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE1	16	0.23
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE2	16	0.23
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE3	16	0.23
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE1	16	0.23
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE2	16	0.23
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE3	16	0.23
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE1	16	0.23
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE2	16	0.23
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE3	16	0.23
(3,734)	1:B:114:ILE:HG21	1:B:115:VAL:HB	16	0.23
(3,734)	1:B:114:ILE:HG22	1:B:115:VAL:HB	16	0.23
(3,734)	1:B:114:ILE:HG23	1:B:115:VAL:HB	16	0.23
(3,675)	1:B:115:VAL:HB	1:B:130:LEU:HB2	8	0.23
(3,675)	1:B:63:VAL:HB	1:B:51:ILE:HG12	8	0.23
(3,675)	1:B:97:VAL:HB	1:B:98:LEU:HB2	8	0.23
(3,675)	1:B:63:VAL:HB	1:B:64:LYS:HG2	8	0.23
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB1	8	0.23
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB2	8	0.23
(3,675)	1:B:115:VAL:HB	1:B:112:ALA:HB3	8	0.23
(3,602)	1:B:121:LEU:HD11	1:B:85:GLN:HG2	20	0.23
(3,602)	1:B:121:LEU:HD12	1:B:85:GLN:HG2	20	0.23
(3,602)	1:B:121:LEU:HD13	1:B:85:GLN:HG2	20	0.23
(3,602)	1:B:121:LEU:HD11	1:B:89:GLU:HG3	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,602)	1:B:121:LEU:HD12	1:B:89:GLU:HG3	20	0.23
(3,602)	1:B:121:LEU:HD13	1:B:89:GLU:HG3	20	0.23
(3,541)	1:B:124:VAL:HG21	1:B:126:GLU:HG3	4	0.23
(3,541)	1:B:124:VAL:HG22	1:B:126:GLU:HG3	4	0.23
(3,541)	1:B:124:VAL:HG23	1:B:126:GLU:HG3	4	0.23
(3,541)	1:B:124:VAL:HG21	1:B:129:GLU:HB3	4	0.23
(3,541)	1:B:124:VAL:HG22	1:B:129:GLU:HB3	4	0.23
(3,541)	1:B:124:VAL:HG23	1:B:129:GLU:HB3	4	0.23
(3,541)	1:B:124:VAL:HG21	1:B:115:VAL:HB	4	0.23
(3,541)	1:B:124:VAL:HG22	1:B:115:VAL:HB	4	0.23
(3,541)	1:B:124:VAL:HG23	1:B:115:VAL:HB	4	0.23
(3,541)	1:B:124:VAL:HG21	1:B:126:GLU:HG3	9	0.23
(3,541)	1:B:124:VAL:HG22	1:B:126:GLU:HG3	9	0.23
(3,541)	1:B:124:VAL:HG23	1:B:126:GLU:HG3	9	0.23
(3,541)	1:B:124:VAL:HG21	1:B:129:GLU:HB3	9	0.23
(3,541)	1:B:124:VAL:HG22	1:B:129:GLU:HB3	9	0.23
(3,541)	1:B:124:VAL:HG23	1:B:129:GLU:HB3	9	0.23
(3,541)	1:B:124:VAL:HG21	1:B:115:VAL:HB	9	0.23
(3,541)	1:B:124:VAL:HG22	1:B:115:VAL:HB	9	0.23
(3,541)	1:B:124:VAL:HG23	1:B:115:VAL:HB	9	0.23
(3,447)	1:B:134:ARG:HB2	1:B:135:GLN:HG2	10	0.23
(3,447)	1:B:134:ARG:HB2	1:B:135:GLN:HG3	10	0.23
(3,447)	1:B:134:ARG:HB3	1:B:135:GLN:HG2	10	0.23
(3,447)	1:B:134:ARG:HB3	1:B:135:GLN:HG3	10	0.23
(3,447)	1:B:127:ARG:HB3	1:B:129:GLU:HG2	10	0.23
(3,447)	1:B:127:ARG:HB3	1:B:129:GLU:HG3	10	0.23
(3,447)	1:B:127:ARG:HB2	1:B:129:GLU:HG3	10	0.23
(3,382)	1:B:128:ARG:HG2	1:B:126:GLU:HG3	10	0.23
(3,382)	1:B:128:ARG:HG2	1:B:126:GLU:HB2	10	0.23
(3,382)	1:B:128:ARG:HG3	1:B:126:GLU:HB2	10	0.23
(3,382)	1:B:128:ARG:HG3	1:B:126:GLU:HG3	10	0.23
(3,382)	1:B:128:ARG:HG2	1:B:129:GLU:HB3	10	0.23
(3,382)	1:B:128:ARG:HG3	1:B:129:GLU:HB3	10	0.23
(3,232)	1:B:104:ASN:H	1:B:87:LEU:HB3	20	0.23
(3,232)	1:B:104:ASN:H	1:B:105:ILE:HG12	20	0.23
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	16	0.23
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	16	0.23
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	16	0.23
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	16	0.23
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	18	0.23
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	18	0.23
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	18	0.23
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG11	18	0.23
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG12	18	0.23
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG13	18	0.23
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG21	18	0.23
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG22	18	0.23
(3,1646)	1:B:34:GLU:HG2	1:B:33:VAL:HG23	18	0.23
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG21	18	0.23
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG22	18	0.23
(3,1646)	1:B:89:GLU:HG2	1:B:97:VAL:HG23	18	0.23
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	5	0.23
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	5	0.23
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	5	0.23
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	5	0.23
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	5	0.23
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	5	0.23
(3,1576)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	2	0.23
(3,1576)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	2	0.23
(3,1576)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	2	0.23
(3,1576)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	2	0.23
(3,1576)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	2	0.23
(3,1576)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	2	0.23
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	11	0.23
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	11	0.23
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	11	0.23
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	11	0.23
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	11	0.23
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	11	0.23
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	13	0.23
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	13	0.23
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	13	0.23
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	13	0.23
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	13	0.23
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	13	0.23
(3,1418)	1:B:9:TRP:HE3	1:B:12:GLU:HB3	17	0.23
(3,1418)	1:B:52:HIS:HD2	1:B:55:VAL:HB	17	0.23
(3,1418)	1:B:52:HIS:HD2	1:B:67:GLN:HB2	17	0.23
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	18	0.23
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	18	0.23
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	18	0.23
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	20	0.23
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	20	0.23
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	20	0.23
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	20	0.23
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	20	0.23
(3,1384)	1:B:54:LEU:HD21	1:B:59:LEU:HB2	4	0.23
(3,1384)	1:B:54:LEU:HD22	1:B:59:LEU:HB2	4	0.23
(3,1384)	1:B:54:LEU:HD23	1:B:59:LEU:HB2	4	0.23
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB1	4	0.23
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB2	4	0.23
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB3	4	0.23
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB1	4	0.23
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB2	4	0.23
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB3	4	0.23
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB1	4	0.23
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB2	4	0.23
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB3	4	0.23
(3,1361)	1:B:55:VAL:HG11	1:B:52:HIS:HB2	16	0.23
(3,1361)	1:B:55:VAL:HG12	1:B:52:HIS:HB2	16	0.23
(3,1361)	1:B:55:VAL:HG13	1:B:52:HIS:HB2	16	0.23
(3,1361)	1:B:74:VAL:HG11	1:B:127:ARG:HD3	16	0.23
(3,1361)	1:B:74:VAL:HG12	1:B:127:ARG:HD3	16	0.23
(3,1361)	1:B:74:VAL:HG13	1:B:127:ARG:HD3	16	0.23
(3,1348)	1:B:30:GLN:HG3	1:B:31:ASP:HB3	5	0.23
(3,1348)	1:B:56:GLN:HG2	1:B:53:HIS:HB3	5	0.23
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	14	0.23
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	14	0.23
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	14	0.23
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	14	0.23
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	14	0.23
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	14	0.23
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	14	0.23
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	14	0.23
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	14	0.23
(3,1279)	1:B:62:SER:HB2	1:B:65:ASP:H	4	0.23
(3,1279)	1:B:32:VAL:HA	1:B:30:GLN:HE22	4	0.23
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	2	0.23
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	2	0.23
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	2	0.23
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	16	0.23
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	16	0.23
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	16	0.23
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	16	0.23
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	16	0.23
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	16	0.23
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	20	0.23
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	20	0.23
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	20	0.23
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	20	0.23
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	20	0.23
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	20	0.23
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	20	0.23
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	9	0.23
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	9	0.23
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	18	0.23
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	18	0.23
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	9	0.23
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	15	0.23
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	15	0.23
(1,898)	1:B:82:LEU:HD21	1:B:86:ARG:HD3	10	0.23
(1,898)	1:B:82:LEU:HD22	1:B:86:ARG:HD3	10	0.23
(1,898)	1:B:82:LEU:HD23	1:B:86:ARG:HD3	10	0.23
(1,898)	1:B:82:LEU:HD21	1:B:86:ARG:HD2	10	0.23
(1,898)	1:B:82:LEU:HD22	1:B:86:ARG:HD2	10	0.23
(1,898)	1:B:82:LEU:HD23	1:B:86:ARG:HD2	10	0.23
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG3	10	0.23
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG2	10	0.23
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	5	0.23
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	10	0.23
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	17	0.23
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	17	0.23
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE1	16	0.23
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE2	16	0.23
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE3	16	0.23
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG2	16	0.23
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG3	16	0.23
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	14	0.23
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	6	0.23
(1,285)	1:B:46:THR:H	1:B:49:GLN:HG2	4	0.23
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG3	6	0.23
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG2	6	0.23
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	4	0.23
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	4	0.23
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:B:21:TYR:HE1	1:B:66:PHE:HE1	1	0.23
(1,2536)	1:B:21:TYR:HE1	1:B:66:PHE:HE2	1	0.23
(1,2536)	1:B:21:TYR:HE2	1:B:66:PHE:HE1	1	0.23
(1,2536)	1:B:21:TYR:HE2	1:B:66:PHE:HE2	1	0.23
(1,25)	1:B:8:THR:H	1:B:8:THR:HG21	19	0.23
(1,25)	1:B:8:THR:H	1:B:8:THR:HG22	19	0.23
(1,25)	1:B:8:THR:H	1:B:8:THR:HG23	19	0.23
(1,2296)	1:B:43:VAL:HG21	1:B:44:PRO:HD2	5	0.23
(1,2296)	1:B:43:VAL:HG22	1:B:44:PRO:HD2	5	0.23
(1,2296)	1:B:43:VAL:HG23	1:B:44:PRO:HD2	5	0.23
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG21	19	0.23
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG22	19	0.23
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG23	19	0.23
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG11	19	0.23
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG12	19	0.23
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG13	19	0.23
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	20	0.23
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	20	0.23
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	20	0.23
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD11	20	0.23
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD12	20	0.23
(1,2234)	1:B:45:ARG:HD3	1:B:50:ILE:HD13	20	0.23
(1,2197)	1:B:49:GLN:HG2	1:B:45:ARG:HG3	7	0.23
(1,2031)	1:B:57:MET:HE1	1:B:57:MET:HA	18	0.23
(1,2031)	1:B:57:MET:HE2	1:B:57:MET:HA	18	0.23
(1,2031)	1:B:57:MET:HE3	1:B:57:MET:HA	18	0.23
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	11	0.23
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	11	0.23
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	11	0.23
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD21	10	0.23
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD22	10	0.23
(1,1968)	1:B:42:THR:HG21	1:B:40:LEU:HD23	10	0.23
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD21	10	0.23
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD22	10	0.23
(1,1968)	1:B:42:THR:HG22	1:B:40:LEU:HD23	10	0.23
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD21	10	0.23
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD22	10	0.23
(1,1968)	1:B:42:THR:HG23	1:B:40:LEU:HD23	10	0.23
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	4	0.23
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	4	0.23
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	4	0.23
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	12	0.23
(1,173)	1:B:30:GLN:HE22	1:B:32:VAL:HA	4	0.23
(1,1585)	1:B:92:ARG:HA	1:B:97:VAL:HB	5	0.23
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	7	0.23
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	7	0.23
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	7	0.23
(1,1529)	1:B:97:VAL:HG21	1:B:101:ILE:H	5	0.23
(1,1529)	1:B:97:VAL:HG22	1:B:101:ILE:H	5	0.23
(1,1529)	1:B:97:VAL:HG23	1:B:101:ILE:H	5	0.23
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD21	17	0.23
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD22	17	0.23
(1,1506)	1:B:98:LEU:HD11	1:B:84:LEU:HD23	17	0.23
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD21	17	0.23
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD22	17	0.23
(1,1506)	1:B:98:LEU:HD12	1:B:84:LEU:HD23	17	0.23
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD21	17	0.23
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD22	17	0.23
(1,1506)	1:B:98:LEU:HD13	1:B:84:LEU:HD23	17	0.23
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD21	17	0.23
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD22	17	0.23
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD23	17	0.23
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD21	17	0.23
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD22	17	0.23
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD23	17	0.23
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD21	17	0.23
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD22	17	0.23
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD23	17	0.23
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD11	3	0.23
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD12	3	0.23
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD13	3	0.23
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD11	3	0.23
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD12	3	0.23
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD13	3	0.23
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD11	3	0.23
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD12	3	0.23
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD13	3	0.23
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	4	0.23
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	4	0.23
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	4	0.23
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	12	0.23
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	12	0.23
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	13	0.23
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	13	0.23
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	13	0.23
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	15	0.23
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	15	0.23
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	15	0.23
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	2	0.23
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	2	0.23
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	2	0.23
(1,1003)	1:B:127:ARG:HD2	1:B:131:TYR:HE1	4	0.23
(1,1003)	1:B:127:ARG:HD2	1:B:131:TYR:HE2	4	0.23
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	14	0.22
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	14	0.22
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	14	0.22
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	14	0.22
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD2	17	0.22
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD3	17	0.22
(3,988)	1:B:45:ARG:HB2	1:B:52:HIS:HB2	17	0.22
(3,988)	1:B:45:ARG:HB3	1:B:52:HIS:HB2	17	0.22
(3,988)	1:B:45:ARG:HB3	1:B:47:ARG:HD3	17	0.22
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	16	0.22
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	16	0.22
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	16	0.22
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	16	0.22
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	16	0.22
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	16	0.22
(3,926)	1:B:97:VAL:HG11	1:B:101:ILE:HB	13	0.22
(3,926)	1:B:97:VAL:HG12	1:B:101:ILE:HB	13	0.22
(3,926)	1:B:97:VAL:HG13	1:B:101:ILE:HB	13	0.22
(3,926)	1:B:97:VAL:HG11	1:B:118:LEU:HB2	13	0.22
(3,926)	1:B:97:VAL:HG12	1:B:118:LEU:HB2	13	0.22
(3,926)	1:B:97:VAL:HG13	1:B:118:LEU:HB2	13	0.22
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	14	0.22
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	14	0.22
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	14	0.22
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	14	0.22
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	14	0.22
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	14	0.22
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	14	0.22
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	14	0.22
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	14	0.22
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	14	0.22
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	14	0.22
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	14	0.22
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	14	0.22
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	14	0.22
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	14	0.22
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	14	0.22
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	14	0.22
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	3	0.22
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	3	0.22
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	3	0.22
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	3	0.22
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	3	0.22
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	3	0.22
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG11	19	0.22
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG12	19	0.22
(3,902)	1:B:98:LEU:HD21	1:B:115:VAL:HG13	19	0.22
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG11	19	0.22
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG12	19	0.22
(3,902)	1:B:98:LEU:HD22	1:B:115:VAL:HG13	19	0.22
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG11	19	0.22
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG12	19	0.22
(3,902)	1:B:98:LEU:HD23	1:B:115:VAL:HG13	19	0.22
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD11	19	0.22
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD12	19	0.22
(3,902)	1:B:98:LEU:HD21	1:B:84:LEU:HD13	19	0.22
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD11	19	0.22
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD12	19	0.22
(3,902)	1:B:98:LEU:HD22	1:B:84:LEU:HD13	19	0.22
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD11	19	0.22
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD12	19	0.22
(3,902)	1:B:98:LEU:HD23	1:B:84:LEU:HD13	19	0.22
(3,897)	1:B:98:LEU:HD21	1:B:101:ILE:HB	3	0.22
(3,897)	1:B:98:LEU:HD22	1:B:101:ILE:HB	3	0.22
(3,897)	1:B:98:LEU:HD23	1:B:101:ILE:HB	3	0.22
(3,897)	1:B:98:LEU:HD21	1:B:118:LEU:HB2	3	0.22
(3,897)	1:B:98:LEU:HD22	1:B:118:LEU:HB2	3	0.22
(3,897)	1:B:98:LEU:HD23	1:B:118:LEU:HB2	3	0.22
(3,897)	1:B:98:LEU:HD21	1:B:101:ILE:HB	17	0.22
(3,897)	1:B:98:LEU:HD22	1:B:101:ILE:HB	17	0.22
(3,897)	1:B:98:LEU:HD23	1:B:101:ILE:HB	17	0.22
(3,897)	1:B:98:LEU:HD21	1:B:118:LEU:HB2	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,897)	1:B:98:LEU:HD22	1:B:118:LEU:HB2	17	0.22
(3,897)	1:B:98:LEU:HD23	1:B:118:LEU:HB2	17	0.22
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD11	16	0.22
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD12	16	0.22
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD13	16	0.22
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD11	16	0.22
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD12	16	0.22
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD13	16	0.22
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD11	16	0.22
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD12	16	0.22
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD13	16	0.22
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG11	16	0.22
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG12	16	0.22
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG13	16	0.22
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG11	16	0.22
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG12	16	0.22
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG13	16	0.22
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG11	16	0.22
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG12	16	0.22
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG13	16	0.22
(3,863)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	13	0.22
(3,863)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	13	0.22
(3,863)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	13	0.22
(3,863)	1:B:36:ILE:HD11	1:B:54:LEU:HG	13	0.22
(3,863)	1:B:36:ILE:HD12	1:B:54:LEU:HG	13	0.22
(3,863)	1:B:36:ILE:HD13	1:B:54:LEU:HG	13	0.22
(3,863)	1:B:105:ILE:HD11	1:B:109:ARG:HB2	13	0.22
(3,863)	1:B:105:ILE:HD12	1:B:109:ARG:HB2	13	0.22
(3,863)	1:B:105:ILE:HD13	1:B:109:ARG:HB2	13	0.22
(3,863)	1:B:101:ILE:HD11	1:B:111:ARG:HG2	13	0.22
(3,863)	1:B:101:ILE:HD12	1:B:111:ARG:HG2	13	0.22
(3,863)	1:B:101:ILE:HD13	1:B:111:ARG:HG2	13	0.22
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG21	13	0.22
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG22	13	0.22
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG23	13	0.22
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG21	13	0.22
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG22	13	0.22
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG23	13	0.22
(3,756)	1:B:113:ARG:HD3	1:B:110:SER:H	19	0.22
(3,756)	1:B:18:ARG:HD3	1:B:18:ARG:H	19	0.22
(3,756)	1:B:113:ARG:HD2	1:B:110:SER:H	19	0.22
(3,756)	1:B:113:ARG:HD3	1:B:75:LEU:H	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,756)	1:B:113:ARG:HD3	1:B:74:VAL:H	19	0.22
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	8	0.22
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	8	0.22
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	8	0.22
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	8	0.22
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	8	0.22
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	8	0.22
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	8	0.22
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	8	0.22
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	8	0.22
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	8	0.22
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	8	0.22
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	8	0.22
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	8	0.22
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	8	0.22
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	8	0.22
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	8	0.22
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	8	0.22
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	8	0.22
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	4	0.22
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	4	0.22
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	4	0.22
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	4	0.22
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	4	0.22
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	4	0.22
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	8	0.22
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	8	0.22
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	8	0.22
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	8	0.22
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	8	0.22
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	8	0.22
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	8	0.22
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	8	0.22
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	8	0.22
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	8	0.22
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	8	0.22
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	8	0.22
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	8	0.22
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	8	0.22
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	8	0.22
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	8	0.22
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	8	0.22
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	8	0.22
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	8	0.22
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	8	0.22
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	13	0.22
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	13	0.22
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	13	0.22
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	13	0.22
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	13	0.22
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	13	0.22
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	13	0.22
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	13	0.22
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	13	0.22
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	11	0.22
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	11	0.22
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB1	9	0.22
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB2	9	0.22
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB3	9	0.22
(3,504)	1:B:13:GLU:HG3	1:B:40:LEU:HB3	9	0.22
(3,504)	1:B:13:GLU:HG3	1:B:17:LEU:HG	9	0.22
(3,504)	1:B:13:GLU:HG2	1:B:40:LEU:HB3	9	0.22
(3,504)	1:B:13:GLU:HG2	1:B:45:ARG:HG2	9	0.22
(3,504)	1:B:13:GLU:HG3	1:B:45:ARG:HG2	9	0.22
(3,504)	1:B:13:GLU:HG2	1:B:17:LEU:HG	9	0.22
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB2	7	0.22
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB3	7	0.22
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB2	7	0.22
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB3	7	0.22
(3,479)	1:B:131:TYR:HB3	1:B:128:ARG:HB2	7	0.22
(3,382)	1:B:128:ARG:HG2	1:B:126:GLU:HG3	7	0.22
(3,382)	1:B:128:ARG:HG2	1:B:126:GLU:HB2	7	0.22
(3,382)	1:B:128:ARG:HG3	1:B:126:GLU:HB2	7	0.22
(3,382)	1:B:128:ARG:HG3	1:B:126:GLU:HG3	7	0.22
(3,382)	1:B:128:ARG:HG2	1:B:129:GLU:HB3	7	0.22
(3,382)	1:B:128:ARG:HG3	1:B:129:GLU:HB3	7	0.22
(3,378)	1:B:22:LEU:HD11	1:B:18:ARG:HD2	14	0.22
(3,378)	1:B:22:LEU:HD12	1:B:18:ARG:HD2	14	0.22
(3,378)	1:B:22:LEU:HD13	1:B:18:ARG:HD2	14	0.22
(3,378)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	14	0.22
(3,378)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	14	0.22
(3,378)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	14	0.22
(3,378)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,378)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	14	0.22
(3,378)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	14	0.22
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	4	0.22
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	4	0.22
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	4	0.22
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	4	0.22
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	4	0.22
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	4	0.22
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	4	0.22
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	4	0.22
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	4	0.22
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD21	10	0.22
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD22	10	0.22
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD23	10	0.22
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD21	10	0.22
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD22	10	0.22
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD23	10	0.22
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD11	5	0.22
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD12	5	0.22
(3,190)	1:B:85:GLN:HE21	1:B:73:ILE:HD13	5	0.22
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD11	5	0.22
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD12	5	0.22
(3,190)	1:B:85:GLN:HE21	1:B:123:LEU:HD13	5	0.22
(3,1770)	1:B:17:LEU:HD21	1:B:14:GLU:HB2	13	0.22
(3,1770)	1:B:17:LEU:HD22	1:B:14:GLU:HB2	13	0.22
(3,1770)	1:B:17:LEU:HD23	1:B:14:GLU:HB2	13	0.22
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG3	13	0.22
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG3	13	0.22
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG3	13	0.22
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG2	13	0.22
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG2	13	0.22
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG2	13	0.22
(3,1770)	1:B:17:LEU:HD21	1:B:33:VAL:HB	13	0.22
(3,1770)	1:B:17:LEU:HD22	1:B:33:VAL:HB	13	0.22
(3,1770)	1:B:17:LEU:HD23	1:B:33:VAL:HB	13	0.22
(3,1670)	1:B:32:VAL:HG21	1:B:22:LEU:H	16	0.22
(3,1670)	1:B:32:VAL:HG22	1:B:22:LEU:H	16	0.22
(3,1670)	1:B:32:VAL:HG23	1:B:22:LEU:H	16	0.22
(3,1670)	1:B:32:VAL:HG21	1:B:37:LEU:H	16	0.22
(3,1670)	1:B:32:VAL:HG22	1:B:37:LEU:H	16	0.22
(3,1670)	1:B:32:VAL:HG23	1:B:37:LEU:H	16	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD11	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD12	16	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD13	16	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD11	16	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD12	16	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD13	16	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD11	16	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD12	16	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD13	16	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG11	16	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG12	16	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG13	16	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG11	16	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG12	16	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG13	16	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG11	16	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG12	16	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG13	16	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG21	16	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG22	16	0.22
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG23	16	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG21	16	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG22	16	0.22
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG23	16	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG21	16	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG22	16	0.22
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG23	16	0.22
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD11	19	0.22
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD12	19	0.22
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD13	19	0.22
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG21	19	0.22
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG22	19	0.22
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG23	19	0.22
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG21	19	0.22
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG22	19	0.22
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG23	19	0.22
(3,1576)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	9	0.22
(3,1576)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	9	0.22
(3,1576)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	9	0.22
(3,1576)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	9	0.22
(3,1576)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	9	0.22
(3,1576)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	9	0.22
(3,1544)	1:B:44:PRO:HD2	1:B:45:ARG:H	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1544)	1:B:7:PRO:HD3	1:B:45:ARG:H	11	0.22
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HG3	17	0.22
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HG3	17	0.22
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HG3	17	0.22
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HG2	17	0.22
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HG2	17	0.22
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HG2	17	0.22
(3,1466)	1:B:50:ILE:HD11	1:B:14:GLU:HB2	17	0.22
(3,1466)	1:B:50:ILE:HD12	1:B:14:GLU:HB2	17	0.22
(3,1466)	1:B:50:ILE:HD13	1:B:14:GLU:HB2	17	0.22
(3,1466)	1:B:50:ILE:HD11	1:B:34:GLU:HG2	17	0.22
(3,1466)	1:B:50:ILE:HD12	1:B:34:GLU:HG2	17	0.22
(3,1466)	1:B:50:ILE:HD13	1:B:34:GLU:HG2	17	0.22
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HB3	17	0.22
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HB3	17	0.22
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HB3	17	0.22
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HB2	17	0.22
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HB2	17	0.22
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HB2	17	0.22
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	19	0.22
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	19	0.22
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	19	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	1	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	1	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	1	0.22
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	1	0.22
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	1	0.22
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	1	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	4	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	4	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	4	0.22
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	4	0.22
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	4	0.22
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	4	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	11	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	11	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	11	0.22
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	11	0.22
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	11	0.22
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	11	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	19	0.22
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	19	0.22
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	19	0.22
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	19	0.22
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	19	0.22
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	19	0.22
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	19	0.22
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	19	0.22
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	19	0.22
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	19	0.22
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	19	0.22
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	19	0.22
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	19	0.22
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	19	0.22
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	2	0.22
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	2	0.22
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	2	0.22
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	20	0.22
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	20	0.22
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	20	0.22
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	20	0.22
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	20	0.22
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	20	0.22
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	20	0.22
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	20	0.22
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	20	0.22
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	5	0.22
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	5	0.22
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	5	0.22
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	5	0.22
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	5	0.22
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	5	0.22
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	5	0.22
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	5	0.22
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	5	0.22
(3,1185)	1:B:73:ILE:HD11	1:B:80:GLN:HB2	16	0.22
(3,1185)	1:B:73:ILE:HD12	1:B:80:GLN:HB2	16	0.22
(3,1185)	1:B:73:ILE:HD13	1:B:80:GLN:HB2	16	0.22
(3,1185)	1:B:73:ILE:HD11	1:B:83:GLU:HB2	16	0.22
(3,1185)	1:B:73:ILE:HD12	1:B:83:GLU:HB2	16	0.22
(3,1185)	1:B:73:ILE:HD13	1:B:83:GLU:HB2	16	0.22
(3,1185)	1:B:73:ILE:HD11	1:B:109:ARG:HD3	16	0.22
(3,1185)	1:B:73:ILE:HD12	1:B:109:ARG:HD3	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1185)	1:B:73:ILE:HD13	1:B:109:ARG:HD3	16	0.22
(3,1185)	1:B:73:ILE:HD11	1:B:89:GLU:HG2	16	0.22
(3,1185)	1:B:73:ILE:HD12	1:B:89:GLU:HG2	16	0.22
(3,1185)	1:B:73:ILE:HD13	1:B:89:GLU:HG2	16	0.22
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	9	0.22
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	9	0.22
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	9	0.22
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	9	0.22
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	9	0.22
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	9	0.22
(3,1137)	1:B:76:TRP:HB2	1:B:81:GLU:HB3	9	0.22
(3,1137)	1:B:76:TRP:HB2	1:B:84:LEU:HB3	9	0.22
(3,1137)	1:B:52:HIS:HB3	1:B:55:VAL:HB	9	0.22
(3,1137)	1:B:76:TRP:HB2	1:B:74:VAL:HB	9	0.22
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	4	0.22
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	4	0.22
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	4	0.22
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	4	0.22
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	4	0.22
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	4	0.22
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	4	0.22
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD11	3	0.22
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD12	3	0.22
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD13	3	0.22
(2,52)	1:B:35:ALA:HB1	1:B:33:VAL:HB	9	0.22
(2,52)	1:B:35:ALA:HB2	1:B:33:VAL:HB	9	0.22
(2,52)	1:B:35:ALA:HB3	1:B:33:VAL:HB	9	0.22
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	17	0.22
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	17	0.22
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	17	0.22
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	6	0.22
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	6	0.22
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	6	0.22
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	1	0.22
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	6	0.22
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG2	17	0.22
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG3	17	0.22
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	15	0.22
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	19	0.22
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	2	0.22
(1,54)	1:B:13:GLU:H	1:B:12:GLU:HB3	19	0.22
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	16	0.22
(1,41)	1:B:10:SER:H	1:B:13:GLU:HB3	1	0.22
(1,41)	1:B:10:SER:H	1:B:13:GLU:HB2	1	0.22
(1,41)	1:B:10:SER:H	1:B:13:GLU:HG2	1	0.22
(1,408)	1:B:64:LYS:H	1:B:62:SER:HB3	7	0.22
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	13	0.22
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	13	0.22
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	13	0.22
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	3	0.22
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	3	0.22
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	3	0.22
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	19	0.22
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	19	0.22
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	19	0.22
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	19	0.22
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HB	1	0.22
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HG13	1	0.22
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	2	0.22
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG3	15	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG3	15	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG3	15	0.22
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG2	15	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG2	15	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG2	15	0.22
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HB3	15	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HB3	15	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HB3	15	0.22
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG3	17	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG3	17	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG3	17	0.22
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG2	17	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG2	17	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG2	17	0.22
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HB3	17	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HB3	17	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HB3	17	0.22
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG3	19	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG3	19	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG3	19	0.22
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG2	19	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG2	19	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG2	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HB3	19	0.22
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HB3	19	0.22
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HB3	19	0.22
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	10	0.22
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	10	0.22
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	10	0.22
(1,2300)	1:B:43:VAL:HG21	1:B:53:HIS:HD2	3	0.22
(1,2300)	1:B:43:VAL:HG22	1:B:53:HIS:HD2	3	0.22
(1,2300)	1:B:43:VAL:HG23	1:B:53:HIS:HD2	3	0.22
(1,2136)	1:B:51:ILE:HG21	1:B:63:VAL:HB	13	0.22
(1,2136)	1:B:51:ILE:HG22	1:B:63:VAL:HB	13	0.22
(1,2136)	1:B:51:ILE:HG23	1:B:63:VAL:HB	13	0.22
(1,2136)	1:B:51:ILE:HG21	1:B:63:VAL:HB	14	0.22
(1,2136)	1:B:51:ILE:HG22	1:B:63:VAL:HB	14	0.22
(1,2136)	1:B:51:ILE:HG23	1:B:63:VAL:HB	14	0.22
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG21	19	0.22
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG22	19	0.22
(1,2115)	1:B:52:HIS:HD2	1:B:51:ILE:HG23	19	0.22
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	8	0.22
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	8	0.22
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	8	0.22
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	8	0.22
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	8	0.22
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	8	0.22
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	8	0.22
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	8	0.22
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	8	0.22
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	1	0.22
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	1	0.22
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	1	0.22
(1,1995)	1:B:37:LEU:HD21	1:B:50:ILE:HB	8	0.22
(1,1995)	1:B:37:LEU:HD22	1:B:50:ILE:HB	8	0.22
(1,1995)	1:B:37:LEU:HD23	1:B:50:ILE:HB	8	0.22
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD21	3	0.22
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD22	3	0.22
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD23	3	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD21	3	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD22	3	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD23	3	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD21	3	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD22	3	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD23	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD11	3	0.22
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD12	3	0.22
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD13	3	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD11	3	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD12	3	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD13	3	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD11	3	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD12	3	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD13	3	0.22
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD21	15	0.22
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD22	15	0.22
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD23	15	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD21	15	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD22	15	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD23	15	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD21	15	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD22	15	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD23	15	0.22
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD11	15	0.22
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD12	15	0.22
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD13	15	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD11	15	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD12	15	0.22
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD13	15	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD11	15	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD12	15	0.22
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD13	15	0.22
(1,1943)	1:B:62:SER:HB3	1:B:63:VAL:H	15	0.22
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	2	0.22
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	2	0.22
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	2	0.22
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	2	0.22
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	2	0.22
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	2	0.22
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	2	0.22
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	2	0.22
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	2	0.22
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	2	0.22
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	2	0.22
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	2	0.22
(1,1900)	1:B:65:ASP:HB3	1:B:64:LYS:HB3	14	0.22
(1,1900)	1:B:65:ASP:HB3	1:B:64:LYS:HD2	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1900)	1:B:65:ASP:HB3	1:B:64:LYS:HD3	14	0.22
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	4	0.22
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	4	0.22
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	4	0.22
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	6	0.22
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	6	0.22
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	6	0.22
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG11	18	0.22
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG12	18	0.22
(1,178)	1:B:30:GLN:HE22	1:B:27:VAL:HG13	18	0.22
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD1	12	0.22
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD2	12	0.22
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	17	0.22
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	20	0.22
(1,1652)	1:B:89:GLU:HG2	1:B:88:PHE:HD1	5	0.22
(1,1652)	1:B:89:GLU:HG2	1:B:88:PHE:HD2	5	0.22
(1,1558)	1:B:92:ARG:HD2	1:B:89:GLU:HB2	19	0.22
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG11	19	0.22
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG12	19	0.22
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG13	19	0.22
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG21	19	0.22
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG22	19	0.22
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG23	19	0.22
(1,1511)	1:B:37:LEU:HB3	1:B:36:ILE:H	5	0.22
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	13	0.22
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	13	0.22
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	13	0.22
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	2	0.22
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	5	0.22
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	11	0.22
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	15	0.22
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	15	0.22
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	15	0.22
(1,1359)	1:B:5:ARG:HB2	1:B:5:ARG:HD3	19	0.22
(1,1359)	1:B:5:ARG:HB2	1:B:5:ARG:HD2	19	0.22
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD11	18	0.22
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD12	18	0.22
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD13	18	0.22
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD11	18	0.22
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD12	18	0.22
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD13	18	0.22
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD11	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD12	18	0.22
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD13	18	0.22
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	20	0.22
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	20	0.22
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	20	0.22
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	4	0.22
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	4	0.22
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	4	0.22
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	5	0.22
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	5	0.22
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	5	0.22
(1,1178)	1:B:119:LEU:HG	1:B:126:GLU:H	16	0.22
(1,1076)	1:B:124:VAL:HG11	1:B:115:VAL:HA	15	0.22
(1,1076)	1:B:124:VAL:HG12	1:B:115:VAL:HA	15	0.22
(1,1076)	1:B:124:VAL:HG13	1:B:115:VAL:HA	15	0.22
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD3	1	0.22
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD2	1	0.22
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	10	0.21
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	10	0.21
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	10	0.21
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	10	0.21
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	10	0.21
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	10	0.21
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	10	0.21
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	10	0.21
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	10	0.21
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	10	0.21
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	10	0.21
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	10	0.21
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	10	0.21
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	10	0.21
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	10	0.21
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	10	0.21
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	10	0.21
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	10	0.21
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	18	0.21
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	18	0.21
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	18	0.21
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	18	0.21
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	18	0.21
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	18	0.21
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	18	0.21
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	18	0.21
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	18	0.21
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	18	0.21
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	18	0.21
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	18	0.21
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	18	0.21
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	18	0.21
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	18	0.21
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	18	0.21
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	18	0.21
(3,863)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	17	0.21
(3,863)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	17	0.21
(3,863)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	17	0.21
(3,863)	1:B:36:ILE:HD11	1:B:54:LEU:HG	17	0.21
(3,863)	1:B:36:ILE:HD12	1:B:54:LEU:HG	17	0.21
(3,863)	1:B:36:ILE:HD13	1:B:54:LEU:HG	17	0.21
(3,863)	1:B:105:ILE:HD11	1:B:109:ARG:HB2	17	0.21
(3,863)	1:B:105:ILE:HD12	1:B:109:ARG:HB2	17	0.21
(3,863)	1:B:105:ILE:HD13	1:B:109:ARG:HB2	17	0.21
(3,863)	1:B:101:ILE:HD11	1:B:111:ARG:HG2	17	0.21
(3,863)	1:B:101:ILE:HD12	1:B:111:ARG:HG2	17	0.21
(3,863)	1:B:101:ILE:HD13	1:B:111:ARG:HG2	17	0.21
(3,841)	1:B:102:MET:HE1	1:B:109:ARG:HB3	16	0.21
(3,841)	1:B:102:MET:HE2	1:B:109:ARG:HB3	16	0.21
(3,841)	1:B:102:MET:HE3	1:B:109:ARG:HB3	16	0.21
(3,841)	1:B:102:MET:HE1	1:B:109:ARG:HG3	16	0.21
(3,841)	1:B:102:MET:HE2	1:B:109:ARG:HG3	16	0.21
(3,841)	1:B:102:MET:HE3	1:B:109:ARG:HG3	16	0.21
(3,841)	1:B:102:MET:HE1	1:B:98:LEU:HB2	16	0.21
(3,841)	1:B:102:MET:HE2	1:B:98:LEU:HB2	16	0.21
(3,841)	1:B:102:MET:HE3	1:B:98:LEU:HB2	16	0.21
(3,841)	1:B:102:MET:HE1	1:B:105:ILE:HG13	16	0.21
(3,841)	1:B:102:MET:HE2	1:B:105:ILE:HG13	16	0.21
(3,841)	1:B:102:MET:HE3	1:B:105:ILE:HG13	16	0.21
(3,841)	1:B:102:MET:HE1	1:B:84:LEU:HG	16	0.21
(3,841)	1:B:102:MET:HE2	1:B:84:LEU:HG	16	0.21
(3,841)	1:B:102:MET:HE3	1:B:84:LEU:HG	16	0.21
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	7	0.21
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	7	0.21
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	7	0.21
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	7	0.21
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	7	0.21
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	7	0.21
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	7	0.21
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	7	0.21
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	7	0.21
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	7	0.21
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	7	0.21
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	7	0.21
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	7	0.21
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	7	0.21
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	7	0.21
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	7	0.21
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	7	0.21
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	18	0.21
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	18	0.21
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	18	0.21
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	18	0.21
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	18	0.21
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	18	0.21
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	18	0.21
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	18	0.21
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	18	0.21
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	18	0.21
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	18	0.21
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	18	0.21
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	18	0.21
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	18	0.21
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	18	0.21
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	18	0.21
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	18	0.21
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	18	0.21
(3,725)	1:B:18:ARG:HB2	1:B:59:LEU:HD11	13	0.21
(3,725)	1:B:18:ARG:HB2	1:B:59:LEU:HD12	13	0.21
(3,725)	1:B:18:ARG:HB2	1:B:59:LEU:HD13	13	0.21
(3,725)	1:B:47:ARG:HB2	1:B:37:LEU:HD21	13	0.21
(3,725)	1:B:47:ARG:HB2	1:B:37:LEU:HD22	13	0.21
(3,725)	1:B:47:ARG:HB2	1:B:37:LEU:HD23	13	0.21
(3,725)	1:B:47:ARG:HB3	1:B:37:LEU:HD21	13	0.21
(3,725)	1:B:47:ARG:HB3	1:B:37:LEU:HD22	13	0.21
(3,725)	1:B:47:ARG:HB3	1:B:37:LEU:HD23	13	0.21
(3,725)	1:B:127:ARG:HB2	1:B:119:LEU:HD21	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,725)	1:B:127:ARG:HB2	1:B:119:LEU:HD22	13	0.21
(3,725)	1:B:127:ARG:HB2	1:B:119:LEU:HD23	13	0.21
(3,685)	1:B:84:LEU:HD11	1:B:117:LYS:HB2	1	0.21
(3,685)	1:B:84:LEU:HD12	1:B:117:LYS:HB2	1	0.21
(3,685)	1:B:84:LEU:HD13	1:B:117:LYS:HB2	1	0.21
(3,685)	1:B:84:LEU:HD11	1:B:109:ARG:HG2	1	0.21
(3,685)	1:B:84:LEU:HD12	1:B:109:ARG:HG2	1	0.21
(3,685)	1:B:84:LEU:HD13	1:B:109:ARG:HG2	1	0.21
(3,685)	1:B:84:LEU:HD11	1:B:123:LEU:HG	1	0.21
(3,685)	1:B:84:LEU:HD12	1:B:123:LEU:HG	1	0.21
(3,685)	1:B:84:LEU:HD13	1:B:123:LEU:HG	1	0.21
(3,685)	1:B:115:VAL:HG11	1:B:117:LYS:HB2	1	0.21
(3,685)	1:B:115:VAL:HG12	1:B:117:LYS:HB2	1	0.21
(3,685)	1:B:115:VAL:HG13	1:B:117:LYS:HB2	1	0.21
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	13	0.21
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	13	0.21
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	13	0.21
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	13	0.21
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	13	0.21
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	13	0.21
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	13	0.21
(3,585)	1:B:121:LEU:HD11	1:B:87:LEU:H	13	0.21
(3,585)	1:B:121:LEU:HD12	1:B:87:LEU:H	13	0.21
(3,585)	1:B:121:LEU:HD13	1:B:87:LEU:H	13	0.21
(3,585)	1:B:121:LEU:HD11	1:B:81:GLU:H	13	0.21
(3,585)	1:B:121:LEU:HD12	1:B:81:GLU:H	13	0.21
(3,585)	1:B:121:LEU:HD13	1:B:81:GLU:H	13	0.21
(3,585)	1:B:121:LEU:HD11	1:B:128:ARG:H	13	0.21
(3,585)	1:B:121:LEU:HD12	1:B:128:ARG:H	13	0.21
(3,585)	1:B:121:LEU:HD13	1:B:128:ARG:H	13	0.21
(3,541)	1:B:124:VAL:HG21	1:B:126:GLU:HG3	13	0.21
(3,541)	1:B:124:VAL:HG22	1:B:126:GLU:HG3	13	0.21
(3,541)	1:B:124:VAL:HG23	1:B:126:GLU:HG3	13	0.21
(3,541)	1:B:124:VAL:HG21	1:B:129:GLU:HB3	13	0.21
(3,541)	1:B:124:VAL:HG22	1:B:129:GLU:HB3	13	0.21
(3,541)	1:B:124:VAL:HG23	1:B:129:GLU:HB3	13	0.21
(3,541)	1:B:124:VAL:HG21	1:B:115:VAL:HB	13	0.21
(3,541)	1:B:124:VAL:HG22	1:B:115:VAL:HB	13	0.21
(3,541)	1:B:124:VAL:HG23	1:B:115:VAL:HB	13	0.21
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	18	0.21
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	18	0.21
(3,428)	1:B:4:ARG:HA	1:B:4:ARG:HG2	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,428)	1:B:4:ARG:HA	1:B:4:ARG:HG3	18	0.21
(3,428)	1:B:137:LYS:HA	1:B:137:LYS:HD3	18	0.21
(3,428)	1:B:136:LYS:HA	1:B:136:LYS:HD3	18	0.21
(3,428)	1:B:136:LYS:HA	1:B:136:LYS:HD2	18	0.21
(3,428)	1:B:137:LYS:HA	1:B:138:LEU:HB3	18	0.21
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD21	15	0.21
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD22	15	0.21
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD23	15	0.21
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD21	15	0.21
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD22	15	0.21
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD23	15	0.21
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD21	15	0.21
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD22	15	0.21
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD23	15	0.21
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG11	15	0.21
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG12	15	0.21
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG13	15	0.21
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD21	15	0.21
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD22	15	0.21
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD23	15	0.21
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG11	15	0.21
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG12	15	0.21
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG13	15	0.21
(3,377)	1:B:98:LEU:HD11	1:B:111:ARG:HD2	8	0.21
(3,377)	1:B:98:LEU:HD12	1:B:111:ARG:HD2	8	0.21
(3,377)	1:B:98:LEU:HD13	1:B:111:ARG:HD2	8	0.21
(3,377)	1:B:98:LEU:HD11	1:B:111:ARG:HD3	8	0.21
(3,377)	1:B:98:LEU:HD12	1:B:111:ARG:HD3	8	0.21
(3,377)	1:B:98:LEU:HD13	1:B:111:ARG:HD3	8	0.21
(3,377)	1:B:98:LEU:HD11	1:B:88:PHE:HB3	8	0.21
(3,377)	1:B:98:LEU:HD12	1:B:88:PHE:HB3	8	0.21
(3,377)	1:B:98:LEU:HD13	1:B:88:PHE:HB3	8	0.21
(3,377)	1:B:98:LEU:HD11	1:B:111:ARG:HD2	15	0.21
(3,377)	1:B:98:LEU:HD12	1:B:111:ARG:HD2	15	0.21
(3,377)	1:B:98:LEU:HD13	1:B:111:ARG:HD2	15	0.21
(3,377)	1:B:98:LEU:HD11	1:B:111:ARG:HD3	15	0.21
(3,377)	1:B:98:LEU:HD12	1:B:111:ARG:HD3	15	0.21
(3,377)	1:B:98:LEU:HD13	1:B:111:ARG:HD3	15	0.21
(3,377)	1:B:98:LEU:HD11	1:B:88:PHE:HB3	15	0.21
(3,377)	1:B:98:LEU:HD12	1:B:88:PHE:HB3	15	0.21
(3,377)	1:B:98:LEU:HD13	1:B:88:PHE:HB3	15	0.21
(3,367)	1:B:98:LEU:HD11	1:B:98:LEU:HA	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,367)	1:B:98:LEU:HD12	1:B:98:LEU:HA	6	0.21
(3,367)	1:B:98:LEU:HD13	1:B:98:LEU:HA	6	0.21
(3,367)	1:B:98:LEU:HD11	1:B:111:ARG:HA	6	0.21
(3,367)	1:B:98:LEU:HD12	1:B:111:ARG:HA	6	0.21
(3,367)	1:B:98:LEU:HD13	1:B:111:ARG:HA	6	0.21
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	6	0.21
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	6	0.21
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	6	0.21
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	6	0.21
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	6	0.21
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	6	0.21
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	6	0.21
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	6	0.21
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	6	0.21
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	17	0.21
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	17	0.21
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	17	0.21
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	17	0.21
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	17	0.21
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	17	0.21
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	17	0.21
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	17	0.21
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	17	0.21
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	17	0.21
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	17	0.21
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	17	0.21
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	17	0.21
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	17	0.21
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	17	0.21
(3,357)	1:B:98:LEU:HD11	1:B:114:ILE:H	14	0.21
(3,357)	1:B:98:LEU:HD12	1:B:114:ILE:H	14	0.21
(3,357)	1:B:98:LEU:HD13	1:B:114:ILE:H	14	0.21
(3,357)	1:B:98:LEU:HD11	1:B:116:ASP:H	14	0.21
(3,357)	1:B:98:LEU:HD12	1:B:116:ASP:H	14	0.21
(3,357)	1:B:98:LEU:HD13	1:B:116:ASP:H	14	0.21
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD21	20	0.21
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD22	20	0.21
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD23	20	0.21
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD21	20	0.21
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD22	20	0.21
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD23	20	0.21
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	5	0.21
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	5	0.21
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	5	0.21
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	5	0.21
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	5	0.21
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	8	0.21
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	8	0.21
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	8	0.21
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	8	0.21
(3,1629)	1:B:35:ALA:HB1	1:B:30:GLN:HG2	5	0.21
(3,1629)	1:B:35:ALA:HB2	1:B:30:GLN:HG2	5	0.21
(3,1629)	1:B:35:ALA:HB3	1:B:30:GLN:HG2	5	0.21
(3,1629)	1:B:35:ALA:HB1	1:B:36:ILE:HG13	5	0.21
(3,1629)	1:B:35:ALA:HB2	1:B:36:ILE:HG13	5	0.21
(3,1629)	1:B:35:ALA:HB3	1:B:36:ILE:HG13	5	0.21
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	13	0.21
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	13	0.21
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	13	0.21
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	2	0.21
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	2	0.21
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	2	0.21
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	2	0.21
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	2	0.21
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	2	0.21
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	19	0.21
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	19	0.21
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	19	0.21
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	19	0.21
(3,1528)	1:B:46:THR:HB	1:B:45:ARG:HG2	12	0.21
(3,1528)	1:B:46:THR:HB	1:B:48:LYS:HG3	12	0.21
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	9	0.21
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	9	0.21
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	9	0.21
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	9	0.21
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	9	0.21
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	9	0.21
(3,1367)	1:B:55:VAL:HG11	1:B:66:PHE:HE1	3	0.21
(3,1367)	1:B:55:VAL:HG11	1:B:66:PHE:HE2	3	0.21
(3,1367)	1:B:55:VAL:HG12	1:B:66:PHE:HE1	3	0.21
(3,1367)	1:B:55:VAL:HG12	1:B:66:PHE:HE2	3	0.21
(3,1367)	1:B:55:VAL:HG13	1:B:66:PHE:HE1	3	0.21
(3,1367)	1:B:55:VAL:HG13	1:B:66:PHE:HE2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1367)	1:B:55:VAL:HG11	1:B:60:ALA:H	3	0.21
(3,1367)	1:B:55:VAL:HG12	1:B:60:ALA:H	3	0.21
(3,1367)	1:B:55:VAL:HG13	1:B:60:ALA:H	3	0.21
(3,1361)	1:B:55:VAL:HG11	1:B:52:HIS:HB2	6	0.21
(3,1361)	1:B:55:VAL:HG12	1:B:52:HIS:HB2	6	0.21
(3,1361)	1:B:55:VAL:HG13	1:B:52:HIS:HB2	6	0.21
(3,1361)	1:B:74:VAL:HG11	1:B:127:ARG:HD3	6	0.21
(3,1361)	1:B:74:VAL:HG12	1:B:127:ARG:HD3	6	0.21
(3,1361)	1:B:74:VAL:HG13	1:B:127:ARG:HD3	6	0.21
(3,1361)	1:B:55:VAL:HG11	1:B:52:HIS:HB2	12	0.21
(3,1361)	1:B:55:VAL:HG12	1:B:52:HIS:HB2	12	0.21
(3,1361)	1:B:55:VAL:HG13	1:B:52:HIS:HB2	12	0.21
(3,1361)	1:B:74:VAL:HG11	1:B:127:ARG:HD3	12	0.21
(3,1361)	1:B:74:VAL:HG12	1:B:127:ARG:HD3	12	0.21
(3,1361)	1:B:74:VAL:HG13	1:B:127:ARG:HD3	12	0.21
(3,1321)	1:B:37:LEU:HD21	1:B:34:GLU:H	19	0.21
(3,1321)	1:B:37:LEU:HD22	1:B:34:GLU:H	19	0.21
(3,1321)	1:B:37:LEU:HD23	1:B:34:GLU:H	19	0.21
(3,1321)	1:B:37:LEU:HD21	1:B:33:VAL:H	19	0.21
(3,1321)	1:B:37:LEU:HD22	1:B:33:VAL:H	19	0.21
(3,1321)	1:B:37:LEU:HD23	1:B:33:VAL:H	19	0.21
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	9	0.21
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	9	0.21
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	9	0.21
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	9	0.21
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	9	0.21
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	9	0.21
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	9	0.21
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	9	0.21
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	9	0.21
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	8	0.21
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	8	0.21
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	8	0.21
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	8	0.21
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	8	0.21
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	8	0.21
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	8	0.21
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	8	0.21
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	8	0.21
(3,1229)	1:B:71:THR:HA	1:B:73:ILE:HB	3	0.21
(3,1229)	1:B:71:THR:HA	1:B:81:GLU:HB2	3	0.21
(3,1114)	1:B:82:LEU:HD11	1:B:79:ASP:HB3	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1114)	1:B:82:LEU:HD12	1:B:79:ASP:HB3	1	0.21
(3,1114)	1:B:82:LEU:HD13	1:B:79:ASP:HB3	1	0.21
(3,1114)	1:B:82:LEU:HD11	1:B:80:GLN:HG2	1	0.21
(3,1114)	1:B:82:LEU:HD12	1:B:80:GLN:HG2	1	0.21
(3,1114)	1:B:82:LEU:HD13	1:B:80:GLN:HG2	1	0.21
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	7	0.21
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	7	0.21
(2,57)	1:B:6:ALA:HB1	1:B:49:GLN:HG2	1	0.21
(2,57)	1:B:6:ALA:HB2	1:B:49:GLN:HG2	1	0.21
(2,57)	1:B:6:ALA:HB3	1:B:49:GLN:HG2	1	0.21
(2,44)	1:B:50:ILE:HD11	1:B:40:LEU:H	8	0.21
(2,44)	1:B:50:ILE:HD12	1:B:40:LEU:H	8	0.21
(2,44)	1:B:50:ILE:HD13	1:B:40:LEU:H	8	0.21
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	1	0.21
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	1	0.21
(1,926)	1:B:135:GLN:HA	1:B:135:GLN:HG3	8	0.21
(1,926)	1:B:135:GLN:HA	1:B:135:GLN:HG2	8	0.21
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	5	0.21
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	5	0.21
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	5	0.21
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	17	0.21
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	17	0.21
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	17	0.21
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	17	0.21
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	17	0.21
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	17	0.21
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	17	0.21
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	17	0.21
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	17	0.21
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	17	0.21
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	17	0.21
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	17	0.21
(1,872)	1:B:82:LEU:HD21	1:B:86:ARG:H	18	0.21
(1,872)	1:B:82:LEU:HD22	1:B:86:ARG:H	18	0.21
(1,872)	1:B:82:LEU:HD23	1:B:86:ARG:H	18	0.21
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG3	7	0.21
(1,802)	1:B:134:ARG:H	1:B:133:LYS:HG2	7	0.21
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG3	10	0.21
(1,787)	1:B:130:LEU:H	1:B:129:GLU:HG2	10	0.21
(1,75)	1:B:16:HIS:H	1:B:17:LEU:HD11	11	0.21
(1,75)	1:B:16:HIS:H	1:B:17:LEU:HD12	11	0.21
(1,75)	1:B:16:HIS:H	1:B:17:LEU:HD13	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	2	0.21
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	2	0.21
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	2	0.21
(1,692)	1:B:110:SER:H	1:B:109:ARG:HB2	3	0.21
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG2	2	0.21
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG3	2	0.21
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG2	11	0.21
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG3	11	0.21
(1,662)	1:B:106:THR:H	1:B:105:ILE:HG13	1	0.21
(1,6)	1:B:4:ARG:H	1:B:4:ARG:HB2	4	0.21
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	5	0.21
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	17	0.21
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	13	0.21
(1,449)	1:B:68:ARG:H	1:B:67:GLN:HB3	14	0.21
(1,429)	1:B:67:GLN:H	1:B:64:LYS:HA	11	0.21
(1,3)	1:B:102:MET:H	1:B:102:MET:HG3	15	0.21
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	12	0.21
(1,2736)	1:B:76:TRP:HH2	1:B:114:ILE:HG13	11	0.21
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	1	0.21
(1,2699)	1:B:118:LEU:HD11	1:B:123:LEU:HA	2	0.21
(1,2699)	1:B:118:LEU:HD12	1:B:123:LEU:HA	2	0.21
(1,2699)	1:B:118:LEU:HD13	1:B:123:LEU:HA	2	0.21
(1,2662)	1:B:42:THR:HG21	1:B:44:PRO:HD2	13	0.21
(1,2662)	1:B:42:THR:HG22	1:B:44:PRO:HD2	13	0.21
(1,2662)	1:B:42:THR:HG23	1:B:44:PRO:HD2	13	0.21
(1,2638)	1:B:10:SER:HB3	1:B:11:PRO:HG3	18	0.21
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	12	0.21
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	12	0.21
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	12	0.21
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	16	0.21
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	16	0.21
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	16	0.21
(1,252)	1:B:40:LEU:H	1:B:40:LEU:HB3	16	0.21
(1,2362)	1:B:38:ALA:HB1	1:B:37:LEU:HG	1	0.21
(1,2362)	1:B:38:ALA:HB2	1:B:37:LEU:HG	1	0.21
(1,2362)	1:B:38:ALA:HB3	1:B:37:LEU:HG	1	0.21
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	3	0.21
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG21	2	0.21
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG22	2	0.21
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG23	2	0.21
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG21	2	0.21
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG22	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG23	2	0.21
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG21	2	0.21
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG22	2	0.21
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG23	2	0.21
(1,2248)	1:B:45:ARG:HD3	1:B:9:TRP:HH2	10	0.21
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG21	4	0.21
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG22	4	0.21
(1,2225)	1:B:45:ARG:HD2	1:B:46:THR:HG23	4	0.21
(1,2196)	1:B:49:GLN:HG2	1:B:46:THR:HG21	15	0.21
(1,2196)	1:B:49:GLN:HG2	1:B:46:THR:HG22	15	0.21
(1,2196)	1:B:49:GLN:HG2	1:B:46:THR:HG23	15	0.21
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	2	0.21
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	2	0.21
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	2	0.21
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	2	0.21
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	2	0.21
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	2	0.21
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	2	0.21
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	2	0.21
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	2	0.21
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	11	0.21
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	17	0.21
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	17	0.21
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	17	0.21
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	9	0.21
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	9	0.21
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	9	0.21
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD21	2	0.21
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD22	2	0.21
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD23	2	0.21
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD21	2	0.21
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD22	2	0.21
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD23	2	0.21
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD21	2	0.21
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD22	2	0.21
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD23	2	0.21
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD11	2	0.21
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD12	2	0.21
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD13	2	0.21
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD11	2	0.21
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD12	2	0.21
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD13	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD11	2	0.21
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD12	2	0.21
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD13	2	0.21
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	6	0.21
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	6	0.21
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	6	0.21
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	16	0.21
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	16	0.21
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	16	0.21
(1,1808)	1:B:74:VAL:HG11	1:B:75:LEU:HG	15	0.21
(1,1808)	1:B:74:VAL:HG12	1:B:75:LEU:HG	15	0.21
(1,1808)	1:B:74:VAL:HG13	1:B:75:LEU:HG	15	0.21
(1,1808)	1:B:74:VAL:HG11	1:B:75:LEU:HB3	15	0.21
(1,1808)	1:B:74:VAL:HG12	1:B:75:LEU:HB3	15	0.21
(1,1808)	1:B:74:VAL:HG13	1:B:75:LEU:HB3	15	0.21
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD1	6	0.21
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD2	6	0.21
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	3	0.21
(1,1734)	1:B:85:GLN:HG3	1:B:88:PHE:HB3	1	0.21
(1,1734)	1:B:85:GLN:HG3	1:B:88:PHE:HB3	9	0.21
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG11	12	0.21
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG12	12	0.21
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG13	12	0.21
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	12	0.21
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	12	0.21
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	12	0.21
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	12	0.21
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE2	14	0.21
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE2	14	0.21
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE2	14	0.21
(1,1518)	1:B:97:VAL:HG11	1:B:132:LYS:HE3	14	0.21
(1,1518)	1:B:97:VAL:HG12	1:B:132:LYS:HE3	14	0.21
(1,1518)	1:B:97:VAL:HG13	1:B:132:LYS:HE3	14	0.21
(1,1509)	1:B:98:LEU:HD21	1:B:101:ILE:H	17	0.21
(1,1509)	1:B:98:LEU:HD22	1:B:101:ILE:H	17	0.21
(1,1509)	1:B:98:LEU:HD23	1:B:101:ILE:H	17	0.21
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	14	0.21
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	14	0.21
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	14	0.21
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE2	2	0.21
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE2	2	0.21
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE2	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE3	2	0.21
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE3	2	0.21
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE3	2	0.21
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	3	0.21
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	9	0.21
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	10	0.21
(1,1359)	1:B:5:ARG:HB2	1:B:5:ARG:HD3	14	0.21
(1,1359)	1:B:5:ARG:HB2	1:B:5:ARG:HD2	14	0.21
(1,1310)	1:B:110:SER:HA	1:B:102:MET:HG2	6	0.21
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD21	20	0.21
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD22	20	0.21
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD23	20	0.21
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD21	20	0.21
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD22	20	0.21
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD23	20	0.21
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD21	20	0.21
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD22	20	0.21
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD23	20	0.21
(1,1271)	1:B:114:ILE:HG12	1:B:76:TRP:HH2	3	0.21
(1,1263)	1:B:114:ILE:HG21	1:B:84:LEU:HD21	8	0.21
(1,1263)	1:B:114:ILE:HG21	1:B:84:LEU:HD22	8	0.21
(1,1263)	1:B:114:ILE:HG21	1:B:84:LEU:HD23	8	0.21
(1,1263)	1:B:114:ILE:HG22	1:B:84:LEU:HD21	8	0.21
(1,1263)	1:B:114:ILE:HG22	1:B:84:LEU:HD22	8	0.21
(1,1263)	1:B:114:ILE:HG22	1:B:84:LEU:HD23	8	0.21
(1,1263)	1:B:114:ILE:HG23	1:B:84:LEU:HD21	8	0.21
(1,1263)	1:B:114:ILE:HG23	1:B:84:LEU:HD22	8	0.21
(1,1263)	1:B:114:ILE:HG23	1:B:84:LEU:HD23	8	0.21
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	17	0.21
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	17	0.21
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	17	0.21
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	17	0.21
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	17	0.21
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	17	0.21
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG11	3	0.21
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG12	3	0.21
(1,1212)	1:B:115:VAL:HB	1:B:124:VAL:HG13	3	0.21
(3,928)	1:B:97:VAL:HG11	1:B:102:MET:HG2	12	0.2
(3,928)	1:B:97:VAL:HG12	1:B:102:MET:HG2	12	0.2
(3,928)	1:B:97:VAL:HG13	1:B:102:MET:HG2	12	0.2
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB3	12	0.2
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB3	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB3	12	0.2
(3,928)	1:B:97:VAL:HG11	1:B:95:ASP:HB2	12	0.2
(3,928)	1:B:97:VAL:HG12	1:B:95:ASP:HB2	12	0.2
(3,928)	1:B:97:VAL:HG13	1:B:95:ASP:HB2	12	0.2
(3,927)	1:B:97:VAL:HG11	1:B:98:LEU:HG	8	0.2
(3,927)	1:B:97:VAL:HG12	1:B:98:LEU:HG	8	0.2
(3,927)	1:B:97:VAL:HG13	1:B:98:LEU:HG	8	0.2
(3,927)	1:B:97:VAL:HG11	1:B:111:ARG:HG2	8	0.2
(3,927)	1:B:97:VAL:HG12	1:B:111:ARG:HG2	8	0.2
(3,927)	1:B:97:VAL:HG13	1:B:111:ARG:HG2	8	0.2
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	3	0.2
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	3	0.2
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	3	0.2
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	3	0.2
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	3	0.2
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	3	0.2
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	19	0.2
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	19	0.2
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	19	0.2
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	19	0.2
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	19	0.2
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	19	0.2
(3,837)	1:B:102:MET:HE1	1:B:102:MET:HA	15	0.2
(3,837)	1:B:102:MET:HE2	1:B:102:MET:HA	15	0.2
(3,837)	1:B:102:MET:HE3	1:B:102:MET:HA	15	0.2
(3,837)	1:B:102:MET:HE1	1:B:111:ARG:HA	15	0.2
(3,837)	1:B:102:MET:HE2	1:B:111:ARG:HA	15	0.2
(3,837)	1:B:102:MET:HE3	1:B:111:ARG:HA	15	0.2
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD11	3	0.2
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD12	3	0.2
(3,790)	1:B:109:ARG:HD2	1:B:105:ILE:HD13	3	0.2
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD11	3	0.2
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD12	3	0.2
(3,790)	1:B:109:ARG:HD2	1:B:84:LEU:HD13	3	0.2
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	4	0.2
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	4	0.2
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	4	0.2
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	4	0.2
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	4	0.2
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	4	0.2
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	4	0.2
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	4	0.2
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	4	0.2
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	4	0.2
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	4	0.2
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	4	0.2
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	4	0.2
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	4	0.2
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	4	0.2
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	4	0.2
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	4	0.2
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	9	0.2
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	9	0.2
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	9	0.2
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	9	0.2
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	9	0.2
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	9	0.2
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	9	0.2
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	9	0.2
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	9	0.2
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	9	0.2
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	9	0.2
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	9	0.2
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	9	0.2
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	9	0.2
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	9	0.2
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	9	0.2
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	9	0.2
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	9	0.2
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	13	0.2
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	13	0.2
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	13	0.2
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	13	0.2
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	13	0.2
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	13	0.2
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	13	0.2
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	13	0.2
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	13	0.2
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	13	0.2
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	13	0.2
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	13	0.2
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	13	0.2
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	13	0.2
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	13	0.2
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	13	0.2
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	13	0.2
(3,722)	1:B:27:VAL:HG11	1:B:30:GLN:HE21	17	0.2
(3,722)	1:B:27:VAL:HG12	1:B:30:GLN:HE21	17	0.2
(3,722)	1:B:27:VAL:HG13	1:B:30:GLN:HE21	17	0.2
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE1	17	0.2
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE2	17	0.2
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE1	17	0.2
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE2	17	0.2
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE1	17	0.2
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE2	17	0.2
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	18	0.2
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	18	0.2
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	18	0.2
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	18	0.2
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	18	0.2
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	18	0.2
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	18	0.2
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	18	0.2
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	18	0.2
(3,659)	1:B:116:ASP:HB2	1:B:127:ARG:HG2	14	0.2
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD2	14	0.2
(3,659)	1:B:95:ASP:HB2	1:B:132:LYS:HD2	14	0.2
(3,659)	1:B:95:ASP:HB3	1:B:132:LYS:HD3	14	0.2
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	2	0.2
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	2	0.2
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	2	0.2
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	2	0.2
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	2	0.2
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	2	0.2
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	2	0.2
(3,458)	1:B:25:LYS:HE2	1:B:25:LYS:HG2	18	0.2
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG21	18	0.2
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG22	18	0.2
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG23	18	0.2
(3,458)	1:B:25:LYS:HE3	1:B:25:LYS:HG2	18	0.2
(3,417)	1:B:133:LYS:HB2	1:B:133:LYS:HE2	18	0.2
(3,417)	1:B:132:LYS:HB2	1:B:132:LYS:HE3	18	0.2
(3,417)	1:B:132:LYS:HB2	1:B:132:LYS:HE2	18	0.2
(3,417)	1:B:133:LYS:HB2	1:B:133:LYS:HE3	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,417)	1:B:132:LYS:HB3	1:B:132:LYS:HE2	18	0.2
(3,417)	1:B:133:LYS:HB3	1:B:133:LYS:HE3	18	0.2
(3,417)	1:B:133:LYS:HB3	1:B:133:LYS:HE2	18	0.2
(3,417)	1:B:137:LYS:HB2	1:B:137:LYS:HE3	18	0.2
(3,417)	1:B:132:LYS:HB3	1:B:132:LYS:HE3	18	0.2
(3,417)	1:B:137:LYS:HB3	1:B:137:LYS:HE3	18	0.2
(3,417)	1:B:137:LYS:HB3	1:B:137:LYS:HE2	18	0.2
(3,417)	1:B:137:LYS:HB2	1:B:137:LYS:HE2	18	0.2
(3,417)	1:B:136:LYS:HB3	1:B:136:LYS:HE2	18	0.2
(3,417)	1:B:136:LYS:HB3	1:B:136:LYS:HE3	18	0.2
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	10	0.2
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	10	0.2
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	10	0.2
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	10	0.2
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	10	0.2
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	10	0.2
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	10	0.2
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	10	0.2
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	10	0.2
(3,357)	1:B:98:LEU:HD11	1:B:114:ILE:H	18	0.2
(3,357)	1:B:98:LEU:HD12	1:B:114:ILE:H	18	0.2
(3,357)	1:B:98:LEU:HD13	1:B:114:ILE:H	18	0.2
(3,357)	1:B:98:LEU:HD11	1:B:116:ASP:H	18	0.2
(3,357)	1:B:98:LEU:HD12	1:B:116:ASP:H	18	0.2
(3,357)	1:B:98:LEU:HD13	1:B:116:ASP:H	18	0.2
(3,349)	1:B:33:VAL:HG11	1:B:37:LEU:H	18	0.2
(3,349)	1:B:33:VAL:HG12	1:B:37:LEU:H	18	0.2
(3,349)	1:B:33:VAL:HG13	1:B:37:LEU:H	18	0.2
(3,349)	1:B:130:LEU:HD21	1:B:115:VAL:H	18	0.2
(3,349)	1:B:130:LEU:HD22	1:B:115:VAL:H	18	0.2
(3,349)	1:B:130:LEU:HD23	1:B:115:VAL:H	18	0.2
(3,232)	1:B:104:ASN:H	1:B:87:LEU:HB3	3	0.2
(3,232)	1:B:104:ASN:H	1:B:105:ILE:HG12	3	0.2
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	11	0.2
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	11	0.2
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	11	0.2
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	11	0.2
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	15	0.2
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	15	0.2
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	15	0.2
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	15	0.2
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD11	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD12	5	0.2
(3,1663)	1:B:32:VAL:HG11	1:B:36:ILE:HD13	5	0.2
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD11	5	0.2
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD12	5	0.2
(3,1663)	1:B:32:VAL:HG12	1:B:36:ILE:HD13	5	0.2
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD11	5	0.2
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD12	5	0.2
(3,1663)	1:B:32:VAL:HG13	1:B:36:ILE:HD13	5	0.2
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG11	5	0.2
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG12	5	0.2
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG13	5	0.2
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG11	5	0.2
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG12	5	0.2
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG13	5	0.2
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG11	5	0.2
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG12	5	0.2
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG13	5	0.2
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG21	5	0.2
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG22	5	0.2
(3,1663)	1:B:32:VAL:HG11	1:B:33:VAL:HG23	5	0.2
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG21	5	0.2
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG22	5	0.2
(3,1663)	1:B:32:VAL:HG12	1:B:33:VAL:HG23	5	0.2
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG21	5	0.2
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG22	5	0.2
(3,1663)	1:B:32:VAL:HG13	1:B:33:VAL:HG23	5	0.2
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	12	0.2
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	12	0.2
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	12	0.2
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	9	0.2
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	9	0.2
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	9	0.2
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	9	0.2
(3,1418)	1:B:9:TRP:HE3	1:B:12:GLU:HB3	19	0.2
(3,1418)	1:B:52:HIS:HD2	1:B:55:VAL:HB	19	0.2
(3,1418)	1:B:52:HIS:HD2	1:B:67:GLN:HB2	19	0.2
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	20	0.2
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	20	0.2
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	20	0.2
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	20	0.2
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	20	0.2
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	20	0.2
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	20	0.2
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	20	0.2
(3,1361)	1:B:55:VAL:HG11	1:B:52:HIS:HB2	5	0.2
(3,1361)	1:B:55:VAL:HG12	1:B:52:HIS:HB2	5	0.2
(3,1361)	1:B:55:VAL:HG13	1:B:52:HIS:HB2	5	0.2
(3,1361)	1:B:74:VAL:HG11	1:B:127:ARG:HD3	5	0.2
(3,1361)	1:B:74:VAL:HG12	1:B:127:ARG:HD3	5	0.2
(3,1361)	1:B:74:VAL:HG13	1:B:127:ARG:HD3	5	0.2
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	10	0.2
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	10	0.2
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	10	0.2
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	10	0.2
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	10	0.2
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	10	0.2
(3,1321)	1:B:37:LEU:HD21	1:B:34:GLU:H	14	0.2
(3,1321)	1:B:37:LEU:HD22	1:B:34:GLU:H	14	0.2
(3,1321)	1:B:37:LEU:HD23	1:B:34:GLU:H	14	0.2
(3,1321)	1:B:37:LEU:HD21	1:B:33:VAL:H	14	0.2
(3,1321)	1:B:37:LEU:HD22	1:B:33:VAL:H	14	0.2
(3,1321)	1:B:37:LEU:HD23	1:B:33:VAL:H	14	0.2
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	7	0.2
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	7	0.2
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	7	0.2
(3,1287)	1:B:61:ASP:HB2	1:B:64:LYS:HB3	16	0.2
(3,1287)	1:B:61:ASP:HB3	1:B:64:LYS:HB3	16	0.2
(3,1287)	1:B:31:ASP:HB2	1:B:47:ARG:HG3	16	0.2
(3,1262)	1:B:65:ASP:HB3	1:B:63:VAL:HA	12	0.2
(3,1262)	1:B:65:ASP:HB3	1:B:55:VAL:HA	12	0.2
(3,1259)	1:B:79:ASP:HA	1:B:82:LEU:HD11	12	0.2
(3,1259)	1:B:79:ASP:HA	1:B:82:LEU:HD12	12	0.2
(3,1259)	1:B:79:ASP:HA	1:B:82:LEU:HD13	12	0.2
(3,1259)	1:B:62:SER:HA	1:B:63:VAL:HG11	12	0.2
(3,1259)	1:B:62:SER:HA	1:B:63:VAL:HG12	12	0.2
(3,1259)	1:B:62:SER:HA	1:B:63:VAL:HG13	12	0.2
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	7	0.2
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	7	0.2
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	7	0.2
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	8	0.2
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	8	0.2
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	13	0.2
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1178)	1:B:27:VAL:HG21	1:B:30:GLN:HE21	9	0.2
(3,1178)	1:B:27:VAL:HG22	1:B:30:GLN:HE21	9	0.2
(3,1178)	1:B:27:VAL:HG23	1:B:30:GLN:HE21	9	0.2
(3,1178)	1:B:74:VAL:HG11	1:B:76:TRP:HZ3	9	0.2
(3,1178)	1:B:74:VAL:HG12	1:B:76:TRP:HZ3	9	0.2
(3,1178)	1:B:74:VAL:HG13	1:B:76:TRP:HZ3	9	0.2
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	20	0.2
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	20	0.2
(2,7)	1:B:68:ARG:H	1:B:64:LYS:HB3	3	0.2
(2,15)	1:B:111:ARG:HE	1:B:101:ILE:HB	19	0.2
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	2	0.2
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	2	0.2
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	2	0.2
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	2	0.2
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	2	0.2
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	2	0.2
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	2	0.2
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	2	0.2
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	2	0.2
(1,962)	1:B:131:TYR:HD1	1:B:115:VAL:HG11	12	0.2
(1,962)	1:B:131:TYR:HD1	1:B:115:VAL:HG12	12	0.2
(1,962)	1:B:131:TYR:HD1	1:B:115:VAL:HG13	12	0.2
(1,962)	1:B:131:TYR:HD2	1:B:115:VAL:HG11	12	0.2
(1,962)	1:B:131:TYR:HD2	1:B:115:VAL:HG12	12	0.2
(1,962)	1:B:131:TYR:HD2	1:B:115:VAL:HG13	12	0.2
(1,930)	1:B:134:ARG:HD3	1:B:134:ARG:H	18	0.2
(1,930)	1:B:134:ARG:HD2	1:B:134:ARG:H	18	0.2
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	15	0.2
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	15	0.2
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	15	0.2
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	12	0.2
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	12	0.2
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	12	0.2
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	12	0.2
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	12	0.2
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	12	0.2
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	12	0.2
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	12	0.2
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	12	0.2
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	12	0.2
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	12	0.2
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:B:63:VAL:HA	1:B:66:PHE:HD1	10	0.2
(1,859)	1:B:63:VAL:HA	1:B:66:PHE:HD2	10	0.2
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	3	0.2
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	3	0.2
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	3	0.2
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	1	0.2
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	7	0.2
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	7	0.2
(1,290)	1:B:46:THR:H	1:B:50:ILE:H	20	0.2
(1,2747)	1:B:76:TRP:HZ3	1:B:114:ILE:HG12	17	0.2
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	17	0.2
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	17	0.2
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	17	0.2
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	18	0.2
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	18	0.2
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	18	0.2
(1,25)	1:B:8:THR:H	1:B:8:THR:HG21	6	0.2
(1,25)	1:B:8:THR:H	1:B:8:THR:HG22	6	0.2
(1,25)	1:B:8:THR:H	1:B:8:THR:HG23	6	0.2
(1,2338)	1:B:40:LEU:HD11	1:B:9:TRP:HZ3	4	0.2
(1,2338)	1:B:40:LEU:HD12	1:B:9:TRP:HZ3	4	0.2
(1,2338)	1:B:40:LEU:HD13	1:B:9:TRP:HZ3	4	0.2
(1,2338)	1:B:40:LEU:HD11	1:B:9:TRP:HZ3	12	0.2
(1,2338)	1:B:40:LEU:HD12	1:B:9:TRP:HZ3	12	0.2
(1,2338)	1:B:40:LEU:HD13	1:B:9:TRP:HZ3	12	0.2
(1,2294)	1:B:43:VAL:HG11	1:B:44:PRO:HD2	15	0.2
(1,2294)	1:B:43:VAL:HG12	1:B:44:PRO:HD2	15	0.2
(1,2294)	1:B:43:VAL:HG13	1:B:44:PRO:HD2	15	0.2
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD11	10	0.2
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD12	10	0.2
(1,2216)	1:B:127:ARG:HG2	1:B:119:LEU:HD13	10	0.2
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG11	17	0.2
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG12	17	0.2
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG13	17	0.2
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG21	17	0.2
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG22	17	0.2
(1,2203)	1:B:69:LYS:HB2	1:B:63:VAL:HG23	17	0.2
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG11	17	0.2
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG12	17	0.2
(1,2203)	1:B:69:LYS:HB3	1:B:63:VAL:HG13	17	0.2
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	2	0.2
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	14	0.2
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	17	0.2
(1,2048)	1:B:56:GLN:HG3	1:B:56:GLN:HB2	19	0.2
(1,2030)	1:B:57:MET:HE1	1:B:59:LEU:HA	2	0.2
(1,2030)	1:B:57:MET:HE2	1:B:59:LEU:HA	2	0.2
(1,2030)	1:B:57:MET:HE3	1:B:59:LEU:HA	2	0.2
(1,2029)	1:B:57:MET:HE1	1:B:18:ARG:HD3	13	0.2
(1,2029)	1:B:57:MET:HE2	1:B:18:ARG:HD3	13	0.2
(1,2029)	1:B:57:MET:HE3	1:B:18:ARG:HD3	13	0.2
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	14	0.2
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	14	0.2
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	14	0.2
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	15	0.2
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	15	0.2
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	15	0.2
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	16	0.2
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	16	0.2
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	16	0.2
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	7	0.2
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	7	0.2
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	7	0.2
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD21	18	0.2
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD22	18	0.2
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD23	18	0.2
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD21	18	0.2
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD22	18	0.2
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD23	18	0.2
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD21	18	0.2
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD22	18	0.2
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD23	18	0.2
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD11	18	0.2
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD12	18	0.2
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD13	18	0.2
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD11	18	0.2
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD12	18	0.2
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD13	18	0.2
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD11	18	0.2
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD12	18	0.2
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD13	18	0.2
(1,1920)	1:B:30:GLN:HB3	1:B:30:GLN:HE21	4	0.2
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	1	0.2
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	1	0.2
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	1	0.2
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	1	0.2
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	1	0.2
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	1	0.2
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	1	0.2
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	1	0.2
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	1	0.2
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	1	0.2
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	1	0.2
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HG	1	0.2
(1,1858)	1:B:72:HIS:HE1	1:B:75:LEU:HB3	1	0.2
(1,1788)	1:B:76:TRP:HB2	1:B:80:GLN:HB2	13	0.2
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD1	2	0.2
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD2	2	0.2
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	6	0.2
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	2	0.2
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	2	0.2
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	2	0.2
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	2	0.2
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	3	0.2
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	3	0.2
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	3	0.2
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	3	0.2
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	14	0.2
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	14	0.2
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	14	0.2
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	14	0.2
(1,1511)	1:B:37:LEU:HB3	1:B:36:ILE:H	3	0.2
(1,1509)	1:B:98:LEU:HD21	1:B:101:ILE:H	18	0.2
(1,1509)	1:B:98:LEU:HD22	1:B:101:ILE:H	18	0.2
(1,1509)	1:B:98:LEU:HD23	1:B:101:ILE:H	18	0.2
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	11	0.2
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	11	0.2
(1,1450)	1:B:102:MET:HE1	1:B:111:ARG:HB3	16	0.2
(1,1450)	1:B:102:MET:HE2	1:B:111:ARG:HB3	16	0.2
(1,1450)	1:B:102:MET:HE3	1:B:111:ARG:HB3	16	0.2
(1,1450)	1:B:102:MET:HE1	1:B:111:ARG:HB2	16	0.2
(1,1450)	1:B:102:MET:HE2	1:B:111:ARG:HB2	16	0.2
(1,1450)	1:B:102:MET:HE3	1:B:111:ARG:HB2	16	0.2
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	18	0.2
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	18	0.2
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG11	16	0.2
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG12	16	0.2
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG13	16	0.2
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG21	16	0.2
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG22	16	0.2
(1,1430)	1:B:31:ASP:HB3	1:B:33:VAL:HG23	16	0.2
(1,1426)	1:B:31:ASP:HB3	1:B:34:GLU:H	20	0.2
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE2	17	0.2
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE2	17	0.2
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE2	17	0.2
(1,1386)	1:B:106:THR:HG21	1:B:108:LYS:HE3	17	0.2
(1,1386)	1:B:106:THR:HG22	1:B:108:LYS:HE3	17	0.2
(1,1386)	1:B:106:THR:HG23	1:B:108:LYS:HE3	17	0.2
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	17	0.2
(1,1311)	1:B:110:SER:HA	1:B:102:MET:HG3	4	0.2
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	9	0.2
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	9	0.2
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	9	0.2
(1,1170)	1:B:59:LEU:HD11	1:B:21:TYR:HB2	11	0.2
(1,1170)	1:B:59:LEU:HD12	1:B:21:TYR:HB2	11	0.2
(1,1170)	1:B:59:LEU:HD13	1:B:21:TYR:HB2	11	0.2
(1,1170)	1:B:59:LEU:HD11	1:B:21:TYR:HB3	11	0.2
(1,1170)	1:B:59:LEU:HD12	1:B:21:TYR:HB3	11	0.2
(1,1170)	1:B:59:LEU:HD13	1:B:21:TYR:HB3	11	0.2
(1,1081)	1:B:124:VAL:HG21	1:B:126:GLU:H	7	0.2
(1,1081)	1:B:124:VAL:HG22	1:B:126:GLU:H	7	0.2
(1,1081)	1:B:124:VAL:HG23	1:B:126:GLU:H	7	0.2
(1,1076)	1:B:124:VAL:HG11	1:B:115:VAL:HA	16	0.2
(1,1076)	1:B:124:VAL:HG12	1:B:115:VAL:HA	16	0.2
(1,1076)	1:B:124:VAL:HG13	1:B:115:VAL:HA	16	0.2
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	7	0.2
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	7	0.2
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	7	0.2
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	13	0.2
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	13	0.2
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	13	0.2
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	20	0.2
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	20	0.2
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	20	0.2
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	7	0.19
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	7	0.19
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	7	0.19
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	7	0.19
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	7	0.19
(3,897)	1:B:98:LEU:HD21	1:B:101:ILE:HB	4	0.19
(3,897)	1:B:98:LEU:HD22	1:B:101:ILE:HB	4	0.19
(3,897)	1:B:98:LEU:HD23	1:B:101:ILE:HB	4	0.19
(3,897)	1:B:98:LEU:HD21	1:B:118:LEU:HB2	4	0.19
(3,897)	1:B:98:LEU:HD22	1:B:118:LEU:HB2	4	0.19
(3,897)	1:B:98:LEU:HD23	1:B:118:LEU:HB2	4	0.19
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG11	8	0.19
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG12	8	0.19
(3,805)	1:B:107:ALA:HA	1:B:74:VAL:HG13	8	0.19
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG21	8	0.19
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG22	8	0.19
(3,805)	1:B:107:ALA:HA	1:B:73:ILE:HG23	8	0.19
(3,77)	1:B:37:LEU:H	1:B:37:LEU:HB3	13	0.19
(3,77)	1:B:37:LEU:H	1:B:47:ARG:HB3	13	0.19
(3,731)	1:B:114:ILE:HG13	1:B:109:ARG:HD3	5	0.19
(3,731)	1:B:128:ARG:HB3	1:B:129:GLU:HG2	5	0.19
(3,731)	1:B:128:ARG:HB2	1:B:129:GLU:HG2	5	0.19
(3,731)	1:B:128:ARG:HB3	1:B:129:GLU:HG3	5	0.19
(3,731)	1:B:128:ARG:HB2	1:B:129:GLU:HG3	5	0.19
(3,697)	1:B:115:VAL:HG21	1:B:116:ASP:HA	8	0.19
(3,697)	1:B:115:VAL:HG22	1:B:116:ASP:HA	8	0.19
(3,697)	1:B:115:VAL:HG23	1:B:116:ASP:HA	8	0.19
(3,697)	1:B:115:VAL:HG21	1:B:113:ARG:HA	8	0.19
(3,697)	1:B:115:VAL:HG22	1:B:113:ARG:HA	8	0.19
(3,697)	1:B:115:VAL:HG23	1:B:113:ARG:HA	8	0.19
(3,679)	1:B:97:VAL:HB	1:B:88:PHE:HB2	7	0.19
(3,679)	1:B:63:VAL:HB	1:B:51:ILE:HA	7	0.19
(3,679)	1:B:63:VAL:HB	1:B:64:LYS:HE3	7	0.19
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	8	0.19
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	8	0.19
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	8	0.19
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	8	0.19
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	8	0.19
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	8	0.19
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	8	0.19
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	8	0.19
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	8	0.19
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	13	0.19
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	13	0.19
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	13	0.19
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	13	0.19
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	13	0.19
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	13	0.19
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	13	0.19
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	13	0.19
(3,602)	1:B:121:LEU:HD11	1:B:85:GLN:HG2	5	0.19
(3,602)	1:B:121:LEU:HD12	1:B:85:GLN:HG2	5	0.19
(3,602)	1:B:121:LEU:HD13	1:B:85:GLN:HG2	5	0.19
(3,602)	1:B:121:LEU:HD11	1:B:89:GLU:HG3	5	0.19
(3,602)	1:B:121:LEU:HD12	1:B:89:GLU:HG3	5	0.19
(3,602)	1:B:121:LEU:HD13	1:B:89:GLU:HG3	5	0.19
(3,541)	1:B:124:VAL:HG21	1:B:126:GLU:HG3	18	0.19
(3,541)	1:B:124:VAL:HG22	1:B:126:GLU:HG3	18	0.19
(3,541)	1:B:124:VAL:HG23	1:B:126:GLU:HG3	18	0.19
(3,541)	1:B:124:VAL:HG21	1:B:129:GLU:HB3	18	0.19
(3,541)	1:B:124:VAL:HG22	1:B:129:GLU:HB3	18	0.19
(3,541)	1:B:124:VAL:HG23	1:B:129:GLU:HB3	18	0.19
(3,541)	1:B:124:VAL:HG21	1:B:115:VAL:HB	18	0.19
(3,541)	1:B:124:VAL:HG22	1:B:115:VAL:HB	18	0.19
(3,541)	1:B:124:VAL:HG23	1:B:115:VAL:HB	18	0.19
(3,541)	1:B:124:VAL:HG21	1:B:126:GLU:HG3	19	0.19
(3,541)	1:B:124:VAL:HG22	1:B:126:GLU:HG3	19	0.19
(3,541)	1:B:124:VAL:HG23	1:B:126:GLU:HG3	19	0.19
(3,541)	1:B:124:VAL:HG21	1:B:129:GLU:HB3	19	0.19
(3,541)	1:B:124:VAL:HG22	1:B:129:GLU:HB3	19	0.19
(3,541)	1:B:124:VAL:HG23	1:B:129:GLU:HB3	19	0.19
(3,541)	1:B:124:VAL:HG21	1:B:115:VAL:HB	19	0.19
(3,541)	1:B:124:VAL:HG22	1:B:115:VAL:HB	19	0.19
(3,541)	1:B:124:VAL:HG23	1:B:115:VAL:HB	19	0.19
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	19	0.19
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	19	0.19
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	19	0.19
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	19	0.19
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	19	0.19
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	19	0.19
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	19	0.19
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	19	0.19
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	19	0.19
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD3	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD2	13	0.19
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD2	13	0.19
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD3	13	0.19
(3,1875)	1:B:118:LEU:HD11	1:B:123:LEU:HB2	1	0.19
(3,1875)	1:B:118:LEU:HD12	1:B:123:LEU:HB2	1	0.19
(3,1875)	1:B:118:LEU:HD13	1:B:123:LEU:HB2	1	0.19
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD11	1	0.19
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD12	1	0.19
(3,1875)	1:B:118:LEU:HD11	1:B:84:LEU:HD13	1	0.19
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD11	1	0.19
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD12	1	0.19
(3,1875)	1:B:118:LEU:HD12	1:B:84:LEU:HD13	1	0.19
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD11	1	0.19
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD12	1	0.19
(3,1875)	1:B:118:LEU:HD13	1:B:84:LEU:HD13	1	0.19
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE2	16	0.19
(3,1814)	1:B:135:GLN:HB3	1:B:136:LYS:HE3	16	0.19
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE3	16	0.19
(3,1814)	1:B:67:GLN:HB2	1:B:64:LYS:HE2	16	0.19
(3,1770)	1:B:17:LEU:HD21	1:B:14:GLU:HB2	8	0.19
(3,1770)	1:B:17:LEU:HD22	1:B:14:GLU:HB2	8	0.19
(3,1770)	1:B:17:LEU:HD23	1:B:14:GLU:HB2	8	0.19
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG3	8	0.19
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG3	8	0.19
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG3	8	0.19
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG2	8	0.19
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG2	8	0.19
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG2	8	0.19
(3,1770)	1:B:17:LEU:HD21	1:B:33:VAL:HB	8	0.19
(3,1770)	1:B:17:LEU:HD22	1:B:33:VAL:HB	8	0.19
(3,1770)	1:B:17:LEU:HD23	1:B:33:VAL:HB	8	0.19
(3,172)	1:B:82:LEU:H	1:B:81:GLU:HG3	12	0.19
(3,172)	1:B:82:LEU:H	1:B:83:GLU:HG3	12	0.19
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG3	17	0.19
(3,1683)	1:B:86:ARG:HB3	1:B:90:GLU:HB3	17	0.19
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG2	17	0.19
(3,1683)	1:B:86:ARG:HB2	1:B:90:GLU:HB3	17	0.19
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	15	0.19
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	15	0.19
(3,1567)	1:B:82:LEU:HB2	1:B:80:GLN:HA	1	0.19
(3,1567)	1:B:82:LEU:HB2	1:B:81:GLU:HA	1	0.19
(3,1521)	1:B:127:ARG:HD2	1:B:115:VAL:HB	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1521)	1:B:128:ARG:HD3	1:B:126:GLU:HB2	8	0.19
(3,1521)	1:B:128:ARG:HD3	1:B:126:GLU:HG3	8	0.19
(3,1521)	1:B:128:ARG:HD2	1:B:126:GLU:HB2	8	0.19
(3,1521)	1:B:128:ARG:HD2	1:B:126:GLU:HG3	8	0.19
(3,1521)	1:B:47:ARG:HD3	1:B:50:ILE:HB	8	0.19
(3,1521)	1:B:111:ARG:HD3	1:B:114:ILE:HB	8	0.19
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	4	0.19
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	4	0.19
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	4	0.19
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	4	0.19
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	4	0.19
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	4	0.19
(3,1423)	1:B:52:HIS:HE1	1:B:63:VAL:HB	1	0.19
(3,1423)	1:B:52:HIS:HE1	1:B:56:GLN:HG2	1	0.19
(3,1384)	1:B:54:LEU:HD21	1:B:59:LEU:HB2	18	0.19
(3,1384)	1:B:54:LEU:HD22	1:B:59:LEU:HB2	18	0.19
(3,1384)	1:B:54:LEU:HD23	1:B:59:LEU:HB2	18	0.19
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB1	18	0.19
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB2	18	0.19
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB3	18	0.19
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB1	18	0.19
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB2	18	0.19
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB3	18	0.19
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB1	18	0.19
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB2	18	0.19
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB3	18	0.19
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	4	0.19
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	4	0.19
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	4	0.19
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	4	0.19
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	4	0.19
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	4	0.19
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	3	0.19
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	3	0.19
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	3	0.19
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	9	0.19
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	9	0.19
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	9	0.19
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	9	0.19
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	9	0.19
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	9	0.19
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB1	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB2	8	0.19
(3,1141)	1:B:76:TRP:HD1	1:B:107:ALA:HB3	8	0.19
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG21	8	0.19
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG22	8	0.19
(3,1141)	1:B:76:TRP:HD1	1:B:77:THR:HG23	8	0.19
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	11	0.19
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	11	0.19
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	11	0.19
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	11	0.19
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	11	0.19
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	11	0.19
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	11	0.19
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	11	0.19
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	11	0.19
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	11	0.19
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	11	0.19
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	11	0.19
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	11	0.19
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	11	0.19
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	11	0.19
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	11	0.19
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	11	0.19
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	11	0.19
(3,1063)	1:B:85:GLN:HG2	1:B:86:ARG:HG3	12	0.19
(3,1063)	1:B:85:GLN:HG2	1:B:82:LEU:HB3	12	0.19
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	8	0.19
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	8	0.19
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	7	0.19
(2,16)	1:B:3:SER:HB3	1:B:44:PRO:HA	17	0.19
(2,11)	1:B:110:SER:H	1:B:74:VAL:HB	6	0.19
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG11	17	0.19
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG12	17	0.19
(1,981)	1:B:33:VAL:HG11	1:B:32:VAL:HG13	17	0.19
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG11	17	0.19
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG12	17	0.19
(1,981)	1:B:33:VAL:HG12	1:B:32:VAL:HG13	17	0.19
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG11	17	0.19
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG12	17	0.19
(1,981)	1:B:33:VAL:HG13	1:B:32:VAL:HG13	17	0.19
(1,954)	1:B:131:TYR:HE1	1:B:127:ARG:HG2	16	0.19
(1,954)	1:B:131:TYR:HE2	1:B:127:ARG:HG2	16	0.19
(1,888)	1:B:75:LEU:HD21	1:B:75:LEU:HA	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:B:75:LEU:HD22	1:B:75:LEU:HA	6	0.19
(1,888)	1:B:75:LEU:HD23	1:B:75:LEU:HA	6	0.19
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	4	0.19
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	4	0.19
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	4	0.19
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	4	0.19
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	4	0.19
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	4	0.19
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	4	0.19
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	4	0.19
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	4	0.19
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	4	0.19
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	4	0.19
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	4	0.19
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD11	1	0.19
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD12	1	0.19
(1,82)	1:B:17:LEU:H	1:B:59:LEU:HD13	1	0.19
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	19	0.19
(1,78)	1:B:17:LEU:H	1:B:17:LEU:HB3	10	0.19
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE1	6	0.19
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE2	6	0.19
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE3	6	0.19
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	20	0.19
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	20	0.19
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	20	0.19
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	18	0.19
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	18	0.19
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	18	0.19
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG2	10	0.19
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG3	10	0.19
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	5	0.19
(1,6)	1:B:4:ARG:H	1:B:4:ARG:HB2	18	0.19
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	3	0.19
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	7	0.19
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	13	0.19
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	6	0.19
(1,426)	1:B:66:PHE:H	1:B:66:PHE:HD1	1	0.19
(1,426)	1:B:66:PHE:H	1:B:66:PHE:HD2	1	0.19
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	17	0.19
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	4	0.19
(1,2710)	1:B:87:LEU:HD11	1:B:104:ASN:HB2	20	0.19
(1,2710)	1:B:87:LEU:HD12	1:B:104:ASN:HB2	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2710)	1:B:87:LEU:HD13	1:B:104:ASN:HB2	20	0.19
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	19	0.19
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	19	0.19
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	19	0.19
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	8	0.19
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	8	0.19
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	8	0.19
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	20	0.19
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	20	0.19
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	20	0.19
(1,248)	1:B:40:LEU:H	1:B:37:LEU:HA	7	0.19
(1,2296)	1:B:43:VAL:HG21	1:B:44:PRO:HD2	16	0.19
(1,2296)	1:B:43:VAL:HG22	1:B:44:PRO:HD2	16	0.19
(1,2296)	1:B:43:VAL:HG23	1:B:44:PRO:HD2	16	0.19
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	3	0.19
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	3	0.19
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	3	0.19
(1,2241)	1:B:45:ARG:HD3	1:B:53:HIS:HD2	6	0.19
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	6	0.19
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	6	0.19
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	6	0.19
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	20	0.19
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	12	0.19
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	12	0.19
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	12	0.19
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	12	0.19
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	12	0.19
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	12	0.19
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	18	0.19
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	18	0.19
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	18	0.19
(1,1966)	1:B:60:ALA:HB1	1:B:54:LEU:HD11	12	0.19
(1,1966)	1:B:60:ALA:HB1	1:B:54:LEU:HD12	12	0.19
(1,1966)	1:B:60:ALA:HB1	1:B:54:LEU:HD13	12	0.19
(1,1966)	1:B:60:ALA:HB2	1:B:54:LEU:HD11	12	0.19
(1,1966)	1:B:60:ALA:HB2	1:B:54:LEU:HD12	12	0.19
(1,1966)	1:B:60:ALA:HB2	1:B:54:LEU:HD13	12	0.19
(1,1966)	1:B:60:ALA:HB3	1:B:54:LEU:HD11	12	0.19
(1,1966)	1:B:60:ALA:HB3	1:B:54:LEU:HD12	12	0.19
(1,1966)	1:B:60:ALA:HB3	1:B:54:LEU:HD13	12	0.19
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	13	0.19
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	13	0.19
(1,1923)	1:B:64:LYS:HB3	1:B:63:VAL:H	9	0.19
(1,1848)	1:B:73:ILE:HD11	1:B:71:THR:HA	10	0.19
(1,1848)	1:B:73:ILE:HD12	1:B:71:THR:HA	10	0.19
(1,1848)	1:B:73:ILE:HD13	1:B:71:THR:HA	10	0.19
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD1	11	0.19
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD2	11	0.19
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG11	20	0.19
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG12	20	0.19
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG13	20	0.19
(1,1690)	1:B:20:LEU:HD11	1:B:24:ASN:HB2	1	0.19
(1,1690)	1:B:20:LEU:HD12	1:B:24:ASN:HB2	1	0.19
(1,1690)	1:B:20:LEU:HD13	1:B:24:ASN:HB2	1	0.19
(1,1620)	1:B:90:GLU:HG2	1:B:91:PHE:HD1	3	0.19
(1,1620)	1:B:90:GLU:HG2	1:B:91:PHE:HD2	3	0.19
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG11	3	0.19
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG12	3	0.19
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG13	3	0.19
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG21	3	0.19
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG22	3	0.19
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG23	3	0.19
(1,1509)	1:B:98:LEU:HD21	1:B:101:ILE:H	15	0.19
(1,1509)	1:B:98:LEU:HD22	1:B:101:ILE:H	15	0.19
(1,1509)	1:B:98:LEU:HD23	1:B:101:ILE:H	15	0.19
(1,1496)	1:B:98:LEU:HB2	1:B:102:MET:HG2	5	0.19
(1,1444)	1:B:102:MET:HG2	1:B:102:MET:H	1	0.19
(1,1388)	1:B:106:THR:HG21	1:B:80:GLN:HG2	12	0.19
(1,1388)	1:B:106:THR:HG22	1:B:80:GLN:HG2	12	0.19
(1,1388)	1:B:106:THR:HG23	1:B:80:GLN:HG2	12	0.19
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	7	0.19
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	15	0.19
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	20	0.19
(1,1359)	1:B:5:ARG:HB2	1:B:5:ARG:HD3	2	0.19
(1,1359)	1:B:5:ARG:HB2	1:B:5:ARG:HD2	2	0.19
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	15	0.19
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	15	0.19
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	15	0.19
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	15	0.19
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	15	0.19
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	15	0.19
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	13	0.19
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	13	0.19
(1,1244)	1:B:87:LEU:HD11	1:B:90:GLU:H	10	0.19
(1,1244)	1:B:87:LEU:HD12	1:B:90:GLU:H	10	0.19
(1,1244)	1:B:87:LEU:HD13	1:B:90:GLU:H	10	0.19
(1,1225)	1:B:63:VAL:HG11	1:B:51:ILE:HG21	11	0.19
(1,1225)	1:B:63:VAL:HG11	1:B:51:ILE:HG22	11	0.19
(1,1225)	1:B:63:VAL:HG11	1:B:51:ILE:HG23	11	0.19
(1,1225)	1:B:63:VAL:HG12	1:B:51:ILE:HG21	11	0.19
(1,1225)	1:B:63:VAL:HG12	1:B:51:ILE:HG22	11	0.19
(1,1225)	1:B:63:VAL:HG12	1:B:51:ILE:HG23	11	0.19
(1,1225)	1:B:63:VAL:HG13	1:B:51:ILE:HG21	11	0.19
(1,1225)	1:B:63:VAL:HG13	1:B:51:ILE:HG22	11	0.19
(1,1225)	1:B:63:VAL:HG13	1:B:51:ILE:HG23	11	0.19
(1,1082)	1:B:124:VAL:HG21	1:B:124:VAL:H	5	0.19
(1,1082)	1:B:124:VAL:HG22	1:B:124:VAL:H	5	0.19
(1,1082)	1:B:124:VAL:HG23	1:B:124:VAL:H	5	0.19
(1,1081)	1:B:124:VAL:HG21	1:B:126:GLU:H	8	0.19
(1,1081)	1:B:124:VAL:HG22	1:B:126:GLU:H	8	0.19
(1,1081)	1:B:124:VAL:HG23	1:B:126:GLU:H	8	0.19
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	3	0.19
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	3	0.19
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	3	0.19
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	8	0.19
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	8	0.19
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	8	0.19
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD3	12	0.19
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD2	12	0.19
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD2	1	0.18
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD3	1	0.18
(3,988)	1:B:45:ARG:HB2	1:B:52:HIS:HB2	1	0.18
(3,988)	1:B:45:ARG:HB3	1:B:52:HIS:HB2	1	0.18
(3,988)	1:B:45:ARG:HB3	1:B:47:ARG:HD3	1	0.18
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD2	5	0.18
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD3	5	0.18
(3,988)	1:B:45:ARG:HB2	1:B:52:HIS:HB2	5	0.18
(3,988)	1:B:45:ARG:HB3	1:B:52:HIS:HB2	5	0.18
(3,988)	1:B:45:ARG:HB3	1:B:47:ARG:HD3	5	0.18
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG11	20	0.18
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG12	20	0.18
(3,953)	1:B:26:ASP:HB2	1:B:27:VAL:HG13	20	0.18
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG21	20	0.18
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG22	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,953)	1:B:93:ASP:HB2	1:B:97:VAL:HG23	20	0.18
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	2	0.18
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	2	0.18
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	2	0.18
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	2	0.18
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	2	0.18
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	2	0.18
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	9	0.18
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	9	0.18
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	9	0.18
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	9	0.18
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	9	0.18
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	9	0.18
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	15	0.18
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	15	0.18
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	15	0.18
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	15	0.18
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	15	0.18
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	15	0.18
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	3	0.18
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	3	0.18
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	3	0.18
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	3	0.18
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	3	0.18
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	3	0.18
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	3	0.18
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	3	0.18
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	3	0.18
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	3	0.18
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	3	0.18
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	3	0.18
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	3	0.18
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	3	0.18
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	3	0.18
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	3	0.18
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	3	0.18
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	3	0.18
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	10	0.18
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	10	0.18
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	10	0.18
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	10	0.18
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	10	0.18
(3,897)	1:B:98:LEU:HD21	1:B:101:ILE:HB	2	0.18
(3,897)	1:B:98:LEU:HD22	1:B:101:ILE:HB	2	0.18
(3,897)	1:B:98:LEU:HD23	1:B:101:ILE:HB	2	0.18
(3,897)	1:B:98:LEU:HD21	1:B:118:LEU:HB2	2	0.18
(3,897)	1:B:98:LEU:HD22	1:B:118:LEU:HB2	2	0.18
(3,897)	1:B:98:LEU:HD23	1:B:118:LEU:HB2	2	0.18
(3,852)	1:B:114:ILE:HG21	1:B:88:PHE:H	15	0.18
(3,852)	1:B:114:ILE:HG22	1:B:88:PHE:H	15	0.18
(3,852)	1:B:114:ILE:HG23	1:B:88:PHE:H	15	0.18
(3,852)	1:B:114:ILE:HG21	1:B:125:ALA:H	15	0.18
(3,852)	1:B:114:ILE:HG22	1:B:125:ALA:H	15	0.18
(3,852)	1:B:114:ILE:HG23	1:B:125:ALA:H	15	0.18
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	18	0.18
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	18	0.18
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	18	0.18
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	18	0.18
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	18	0.18
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	18	0.18
(3,814)	1:B:107:ALA:HB1	1:B:84:LEU:HA	5	0.18
(3,814)	1:B:107:ALA:HB2	1:B:84:LEU:HA	5	0.18
(3,814)	1:B:107:ALA:HB3	1:B:84:LEU:HA	5	0.18
(3,814)	1:B:107:ALA:HB1	1:B:73:ILE:HA	5	0.18
(3,814)	1:B:107:ALA:HB2	1:B:73:ILE:HA	5	0.18
(3,814)	1:B:107:ALA:HB3	1:B:73:ILE:HA	5	0.18
(3,77)	1:B:37:LEU:H	1:B:37:LEU:HB3	7	0.18
(3,77)	1:B:37:LEU:H	1:B:47:ARG:HB3	7	0.18
(3,77)	1:B:37:LEU:H	1:B:37:LEU:HB3	11	0.18
(3,77)	1:B:37:LEU:H	1:B:47:ARG:HB3	11	0.18
(3,77)	1:B:37:LEU:H	1:B:37:LEU:HB3	18	0.18
(3,77)	1:B:37:LEU:H	1:B:47:ARG:HB3	18	0.18
(3,77)	1:B:37:LEU:H	1:B:37:LEU:HB3	19	0.18
(3,77)	1:B:37:LEU:H	1:B:47:ARG:HB3	19	0.18
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD11	9	0.18
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD12	9	0.18
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD13	9	0.18
(3,726)	1:B:114:ILE:HG13	1:B:117:LYS:HD3	9	0.18
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG11	9	0.18
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG12	9	0.18
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG13	9	0.18
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	12	0.18
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	12	0.18
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	12	0.18
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	12	0.18
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	12	0.18
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	12	0.18
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	1	0.18
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	1	0.18
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	4	0.18
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	4	0.18
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB1	2	0.18
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB2	2	0.18
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB3	2	0.18
(3,504)	1:B:13:GLU:HG3	1:B:40:LEU:HB3	2	0.18
(3,504)	1:B:13:GLU:HG3	1:B:17:LEU:HG	2	0.18
(3,504)	1:B:13:GLU:HG2	1:B:40:LEU:HB3	2	0.18
(3,504)	1:B:13:GLU:HG2	1:B:45:ARG:HG2	2	0.18
(3,504)	1:B:13:GLU:HG3	1:B:45:ARG:HG2	2	0.18
(3,504)	1:B:13:GLU:HG2	1:B:17:LEU:HG	2	0.18
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB1	15	0.18
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB2	15	0.18
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB3	15	0.18
(3,504)	1:B:13:GLU:HG3	1:B:40:LEU:HB3	15	0.18
(3,504)	1:B:13:GLU:HG3	1:B:17:LEU:HG	15	0.18
(3,504)	1:B:13:GLU:HG2	1:B:40:LEU:HB3	15	0.18
(3,504)	1:B:13:GLU:HG2	1:B:45:ARG:HG2	15	0.18
(3,504)	1:B:13:GLU:HG3	1:B:45:ARG:HG2	15	0.18
(3,504)	1:B:13:GLU:HG2	1:B:17:LEU:HG	15	0.18
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB2	1	0.18
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB3	1	0.18
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB2	1	0.18
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB3	1	0.18
(3,479)	1:B:131:TYR:HB3	1:B:128:ARG:HB2	1	0.18
(3,470)	1:B:64:LYS:HE3	1:B:70:GLY:H	1	0.18
(3,470)	1:B:64:LYS:HE2	1:B:70:GLY:H	1	0.18
(3,470)	1:B:25:LYS:HE3	1:B:26:ASP:H	1	0.18
(3,467)	1:B:133:LYS:HG3	1:B:134:ARG:H	16	0.18
(3,467)	1:B:133:LYS:HG2	1:B:134:ARG:H	16	0.18
(3,467)	1:B:133:LYS:HG2	1:B:133:LYS:H	16	0.18
(3,467)	1:B:133:LYS:HG3	1:B:133:LYS:H	16	0.18
(3,467)	1:B:132:LYS:HG3	1:B:133:LYS:H	16	0.18
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD21	14	0.18
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD22	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD23	14	0.18
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD21	14	0.18
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD22	14	0.18
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD23	14	0.18
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD21	14	0.18
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD22	14	0.18
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD23	14	0.18
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG11	14	0.18
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG12	14	0.18
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG13	14	0.18
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD21	14	0.18
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD22	14	0.18
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD23	14	0.18
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG11	14	0.18
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG12	14	0.18
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG13	14	0.18
(3,361)	1:B:82:LEU:HD11	1:B:83:GLU:H	18	0.18
(3,361)	1:B:82:LEU:HD12	1:B:83:GLU:H	18	0.18
(3,361)	1:B:82:LEU:HD13	1:B:83:GLU:H	18	0.18
(3,361)	1:B:82:LEU:HD11	1:B:85:GLN:H	18	0.18
(3,361)	1:B:82:LEU:HD12	1:B:85:GLN:H	18	0.18
(3,361)	1:B:82:LEU:HD13	1:B:85:GLN:H	18	0.18
(3,331)	1:B:70:GLY:H	1:B:69:LYS:H	15	0.18
(3,331)	1:B:70:GLY:H	1:B:71:THR:H	15	0.18
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD3	14	0.18
(3,316)	1:B:135:GLN:H	1:B:134:ARG:HD2	14	0.18
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD2	14	0.18
(3,316)	1:B:135:GLN:H	1:B:128:ARG:HD3	14	0.18
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD21	17	0.18
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD22	17	0.18
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD23	17	0.18
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD21	17	0.18
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD22	17	0.18
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD23	17	0.18
(3,1859)	1:B:8:THR:HG21	1:B:9:TRP:HE1	10	0.18
(3,1859)	1:B:8:THR:HG22	1:B:9:TRP:HE1	10	0.18
(3,1859)	1:B:8:THR:HG23	1:B:9:TRP:HE1	10	0.18
(3,1859)	1:B:42:THR:HG21	1:B:9:TRP:HE1	10	0.18
(3,1859)	1:B:42:THR:HG22	1:B:9:TRP:HE1	10	0.18
(3,1859)	1:B:42:THR:HG23	1:B:9:TRP:HE1	10	0.18
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	17	0.18
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	17	0.18
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	17	0.18
(3,1580)	1:B:40:LEU:HD11	1:B:16:HIS:HD2	13	0.18
(3,1580)	1:B:40:LEU:HD12	1:B:16:HIS:HD2	13	0.18
(3,1580)	1:B:40:LEU:HD13	1:B:16:HIS:HD2	13	0.18
(3,1580)	1:B:22:LEU:HD11	1:B:24:ASN:H	13	0.18
(3,1580)	1:B:22:LEU:HD12	1:B:24:ASN:H	13	0.18
(3,1580)	1:B:22:LEU:HD13	1:B:24:ASN:H	13	0.18
(3,1569)	1:B:40:LEU:HB2	1:B:37:LEU:HA	18	0.18
(3,1569)	1:B:40:LEU:HB2	1:B:17:LEU:HA	18	0.18
(3,1565)	1:B:40:LEU:HB2	1:B:41:ASN:HB3	20	0.18
(3,1565)	1:B:40:LEU:HB2	1:B:45:ARG:HD3	20	0.18
(3,1565)	1:B:22:LEU:HB2	1:B:26:ASP:HB2	20	0.18
(3,1565)	1:B:40:LEU:HB2	1:B:53:HIS:HB3	20	0.18
(3,1546)	1:B:43:VAL:HG11	1:B:6:ALA:HB1	17	0.18
(3,1546)	1:B:43:VAL:HG11	1:B:6:ALA:HB2	17	0.18
(3,1546)	1:B:43:VAL:HG11	1:B:6:ALA:HB3	17	0.18
(3,1546)	1:B:43:VAL:HG12	1:B:6:ALA:HB1	17	0.18
(3,1546)	1:B:43:VAL:HG12	1:B:6:ALA:HB2	17	0.18
(3,1546)	1:B:43:VAL:HG12	1:B:6:ALA:HB3	17	0.18
(3,1546)	1:B:43:VAL:HG13	1:B:6:ALA:HB1	17	0.18
(3,1546)	1:B:43:VAL:HG13	1:B:6:ALA:HB2	17	0.18
(3,1546)	1:B:43:VAL:HG13	1:B:6:ALA:HB3	17	0.18
(3,1546)	1:B:43:VAL:HG11	1:B:45:ARG:HG3	17	0.18
(3,1546)	1:B:43:VAL:HG12	1:B:45:ARG:HG3	17	0.18
(3,1546)	1:B:43:VAL:HG13	1:B:45:ARG:HG3	17	0.18
(3,1528)	1:B:46:THR:HB	1:B:45:ARG:HG2	17	0.18
(3,1528)	1:B:46:THR:HB	1:B:48:LYS:HG3	17	0.18
(3,1518)	1:B:127:ARG:HG2	1:B:115:VAL:HG21	13	0.18
(3,1518)	1:B:127:ARG:HG2	1:B:115:VAL:HG22	13	0.18
(3,1518)	1:B:127:ARG:HG2	1:B:115:VAL:HG23	13	0.18
(3,1518)	1:B:127:ARG:HG2	1:B:130:LEU:HD21	13	0.18
(3,1518)	1:B:127:ARG:HG2	1:B:130:LEU:HD22	13	0.18
(3,1518)	1:B:127:ARG:HG2	1:B:130:LEU:HD23	13	0.18
(3,1518)	1:B:127:ARG:HG2	1:B:130:LEU:HD11	13	0.18
(3,1518)	1:B:127:ARG:HG2	1:B:130:LEU:HD12	13	0.18
(3,1518)	1:B:127:ARG:HG2	1:B:130:LEU:HD13	13	0.18
(3,1518)	1:B:111:ARG:HG2	1:B:114:ILE:HD11	13	0.18
(3,1518)	1:B:111:ARG:HG2	1:B:114:ILE:HD12	13	0.18
(3,1518)	1:B:111:ARG:HG2	1:B:114:ILE:HD13	13	0.18
(3,1454)	1:B:51:ILE:HD11	1:B:49:GLN:H	16	0.18
(3,1454)	1:B:51:ILE:HD12	1:B:49:GLN:H	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1454)	1:B:51:ILE:HD13	1:B:49:GLN:H	16	0.18
(3,1454)	1:B:51:ILE:HD11	1:B:65:ASP:H	16	0.18
(3,1454)	1:B:51:ILE:HD12	1:B:65:ASP:H	16	0.18
(3,1454)	1:B:51:ILE:HD13	1:B:65:ASP:H	16	0.18
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	15	0.18
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	15	0.18
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	15	0.18
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	15	0.18
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	15	0.18
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	15	0.18
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	15	0.18
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	15	0.18
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	15	0.18
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	9	0.18
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	9	0.18
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	9	0.18
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	9	0.18
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	9	0.18
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	9	0.18
(3,1247)	1:B:89:GLU:HB3	1:B:90:GLU:HB3	19	0.18
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG3	19	0.18
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG2	19	0.18
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	7	0.18
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	7	0.18
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	7	0.18
(3,1229)	1:B:71:THR:HA	1:B:73:ILE:HB	10	0.18
(3,1229)	1:B:71:THR:HA	1:B:81:GLU:HB2	10	0.18
(3,1207)	1:B:73:ILE:HG21	1:B:109:ARG:HD2	1	0.18
(3,1207)	1:B:73:ILE:HG22	1:B:109:ARG:HD2	1	0.18
(3,1207)	1:B:73:ILE:HG23	1:B:109:ARG:HD2	1	0.18
(3,1207)	1:B:73:ILE:HG21	1:B:80:GLN:HG3	1	0.18
(3,1207)	1:B:73:ILE:HG22	1:B:80:GLN:HG3	1	0.18
(3,1207)	1:B:73:ILE:HG23	1:B:80:GLN:HG3	1	0.18
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	11	0.18
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	11	0.18
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	11	0.18
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	11	0.18
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	11	0.18
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	11	0.18
(3,1185)	1:B:73:ILE:HD11	1:B:80:GLN:HB2	4	0.18
(3,1185)	1:B:73:ILE:HD12	1:B:80:GLN:HB2	4	0.18
(3,1185)	1:B:73:ILE:HD13	1:B:80:GLN:HB2	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1185)	1:B:73:ILE:HD11	1:B:83:GLU:HB2	4	0.18
(3,1185)	1:B:73:ILE:HD12	1:B:83:GLU:HB2	4	0.18
(3,1185)	1:B:73:ILE:HD13	1:B:83:GLU:HB2	4	0.18
(3,1185)	1:B:73:ILE:HD11	1:B:109:ARG:HD3	4	0.18
(3,1185)	1:B:73:ILE:HD12	1:B:109:ARG:HD3	4	0.18
(3,1185)	1:B:73:ILE:HD13	1:B:109:ARG:HD3	4	0.18
(3,1185)	1:B:73:ILE:HD11	1:B:89:GLU:HG2	4	0.18
(3,1185)	1:B:73:ILE:HD12	1:B:89:GLU:HG2	4	0.18
(3,1185)	1:B:73:ILE:HD13	1:B:89:GLU:HG2	4	0.18
(3,1185)	1:B:73:ILE:HD11	1:B:80:GLN:HB2	5	0.18
(3,1185)	1:B:73:ILE:HD12	1:B:80:GLN:HB2	5	0.18
(3,1185)	1:B:73:ILE:HD13	1:B:80:GLN:HB2	5	0.18
(3,1185)	1:B:73:ILE:HD11	1:B:83:GLU:HB2	5	0.18
(3,1185)	1:B:73:ILE:HD12	1:B:83:GLU:HB2	5	0.18
(3,1185)	1:B:73:ILE:HD13	1:B:83:GLU:HB2	5	0.18
(3,1185)	1:B:73:ILE:HD11	1:B:109:ARG:HD3	5	0.18
(3,1185)	1:B:73:ILE:HD12	1:B:109:ARG:HD3	5	0.18
(3,1185)	1:B:73:ILE:HD13	1:B:109:ARG:HD3	5	0.18
(3,1185)	1:B:73:ILE:HD11	1:B:89:GLU:HG2	5	0.18
(3,1185)	1:B:73:ILE:HD12	1:B:89:GLU:HG2	5	0.18
(3,1185)	1:B:73:ILE:HD13	1:B:89:GLU:HG2	5	0.18
(3,1178)	1:B:27:VAL:HG21	1:B:30:GLN:HE21	3	0.18
(3,1178)	1:B:27:VAL:HG22	1:B:30:GLN:HE21	3	0.18
(3,1178)	1:B:27:VAL:HG23	1:B:30:GLN:HE21	3	0.18
(3,1178)	1:B:74:VAL:HG11	1:B:76:TRP:HZ3	3	0.18
(3,1178)	1:B:74:VAL:HG12	1:B:76:TRP:HZ3	3	0.18
(3,1178)	1:B:74:VAL:HG13	1:B:76:TRP:HZ3	3	0.18
(3,1063)	1:B:85:GLN:HG2	1:B:86:ARG:HG3	13	0.18
(3,1063)	1:B:85:GLN:HG2	1:B:82:LEU:HB3	13	0.18
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD11	2	0.18
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD12	2	0.18
(3,1052)	1:B:130:LEU:HG	1:B:119:LEU:HD13	2	0.18
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD21	2	0.18
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD22	2	0.18
(3,1052)	1:B:98:LEU:HG	1:B:84:LEU:HD23	2	0.18
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG21	2	0.18
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG22	2	0.18
(3,1052)	1:B:54:LEU:HG	1:B:51:ILE:HG23	2	0.18
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG21	2	0.18
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG22	2	0.18
(3,1052)	1:B:37:LEU:HG	1:B:51:ILE:HG23	2	0.18
(2,52)	1:B:35:ALA:HB1	1:B:33:VAL:HB	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,52)	1:B:35:ALA:HB2	1:B:33:VAL:HB	11	0.18
(2,52)	1:B:35:ALA:HB3	1:B:33:VAL:HB	11	0.18
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD21	7	0.18
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD22	7	0.18
(2,48)	1:B:40:LEU:HB2	1:B:20:LEU:HD23	7	0.18
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	2	0.18
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	2	0.18
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	2	0.18
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	16	0.18
(1,980)	1:B:33:VAL:HG11	1:B:51:ILE:HG13	6	0.18
(1,980)	1:B:33:VAL:HG12	1:B:51:ILE:HG13	6	0.18
(1,980)	1:B:33:VAL:HG13	1:B:51:ILE:HG13	6	0.18
(1,961)	1:B:131:TYR:HD1	1:B:130:LEU:HB2	1	0.18
(1,961)	1:B:131:TYR:HD2	1:B:130:LEU:HB2	1	0.18
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	12	0.18
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	12	0.18
(1,906)	1:B:130:LEU:HD21	1:B:115:VAL:HB	10	0.18
(1,906)	1:B:130:LEU:HD22	1:B:115:VAL:HB	10	0.18
(1,906)	1:B:130:LEU:HD23	1:B:115:VAL:HB	10	0.18
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	6	0.18
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	6	0.18
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	6	0.18
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	3	0.18
(1,435)	1:B:67:GLN:H	1:B:66:PHE:H	11	0.18
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	11	0.18
(1,2701)	1:B:118:LEU:HD11	1:B:88:PHE:HB3	3	0.18
(1,2701)	1:B:118:LEU:HD12	1:B:88:PHE:HB3	3	0.18
(1,2701)	1:B:118:LEU:HD13	1:B:88:PHE:HB3	3	0.18
(1,2683)	1:B:6:ALA:HB1	1:B:7:PRO:HD2	15	0.18
(1,2683)	1:B:6:ALA:HB2	1:B:7:PRO:HD2	15	0.18
(1,2683)	1:B:6:ALA:HB3	1:B:7:PRO:HD2	15	0.18
(1,2638)	1:B:10:SER:HB3	1:B:11:PRO:HG3	10	0.18
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	7	0.18
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	7	0.18
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	7	0.18
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	7	0.18
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD11	13	0.18
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD12	13	0.18
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD13	13	0.18
(1,2359)	1:B:38:ALA:HA	1:B:37:LEU:HD11	11	0.18
(1,2359)	1:B:38:ALA:HA	1:B:37:LEU:HD12	11	0.18
(1,2359)	1:B:38:ALA:HA	1:B:37:LEU:HD13	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:B:40:LEU:HD11	1:B:9:TRP:HZ3	3	0.18
(1,2338)	1:B:40:LEU:HD12	1:B:9:TRP:HZ3	3	0.18
(1,2338)	1:B:40:LEU:HD13	1:B:9:TRP:HZ3	3	0.18
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG3	11	0.18
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG2	11	0.18
(1,2296)	1:B:43:VAL:HG21	1:B:44:PRO:HD2	17	0.18
(1,2296)	1:B:43:VAL:HG22	1:B:44:PRO:HD2	17	0.18
(1,2296)	1:B:43:VAL:HG23	1:B:44:PRO:HD2	17	0.18
(1,2282)	1:B:43:VAL:HG11	1:B:49:GLN:HB3	4	0.18
(1,2282)	1:B:43:VAL:HG12	1:B:49:GLN:HB3	4	0.18
(1,2282)	1:B:43:VAL:HG13	1:B:49:GLN:HB3	4	0.18
(1,2282)	1:B:43:VAL:HG11	1:B:49:GLN:HG3	4	0.18
(1,2282)	1:B:43:VAL:HG12	1:B:49:GLN:HG3	4	0.18
(1,2282)	1:B:43:VAL:HG13	1:B:49:GLN:HG3	4	0.18
(1,2282)	1:B:43:VAL:HG11	1:B:49:GLN:HB2	4	0.18
(1,2282)	1:B:43:VAL:HG12	1:B:49:GLN:HB2	4	0.18
(1,2282)	1:B:43:VAL:HG13	1:B:49:GLN:HB2	4	0.18
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	4	0.18
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	4	0.18
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	4	0.18
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	13	0.18
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	13	0.18
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	13	0.18
(1,2159)	1:B:51:ILE:HD11	1:B:66:PHE:H	6	0.18
(1,2159)	1:B:51:ILE:HD12	1:B:66:PHE:H	6	0.18
(1,2159)	1:B:51:ILE:HD13	1:B:66:PHE:H	6	0.18
(1,2159)	1:B:51:ILE:HD11	1:B:66:PHE:H	20	0.18
(1,2159)	1:B:51:ILE:HD12	1:B:66:PHE:H	20	0.18
(1,2159)	1:B:51:ILE:HD13	1:B:66:PHE:H	20	0.18
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	9	0.18
(1,2032)	1:B:57:MET:HE1	1:B:18:ARG:HA	19	0.18
(1,2032)	1:B:57:MET:HE2	1:B:18:ARG:HA	19	0.18
(1,2032)	1:B:57:MET:HE3	1:B:18:ARG:HA	19	0.18
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	9	0.18
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	9	0.18
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	9	0.18
(1,1977)	1:B:60:ALA:HB1	1:B:66:PHE:HZ	17	0.18
(1,1977)	1:B:60:ALA:HB2	1:B:66:PHE:HZ	17	0.18
(1,1977)	1:B:60:ALA:HB3	1:B:66:PHE:HZ	17	0.18
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD21	10	0.18
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD22	10	0.18
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD23	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD21	10	0.18
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD22	10	0.18
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD23	10	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD21	10	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD22	10	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD23	10	0.18
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD11	10	0.18
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD12	10	0.18
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD13	10	0.18
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD11	10	0.18
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD12	10	0.18
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD13	10	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD11	10	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD12	10	0.18
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD13	10	0.18
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG11	9	0.18
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG12	9	0.18
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG13	9	0.18
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG21	9	0.18
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG22	9	0.18
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG23	9	0.18
(1,1940)	1:B:63:VAL:HG21	1:B:64:LYS:H	10	0.18
(1,1940)	1:B:63:VAL:HG22	1:B:64:LYS:H	10	0.18
(1,1940)	1:B:63:VAL:HG23	1:B:64:LYS:H	10	0.18
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	3	0.18
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	3	0.18
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	3	0.18
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG21	10	0.18
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG22	10	0.18
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG23	10	0.18
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD21	11	0.18
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD22	11	0.18
(1,1878)	1:B:67:GLN:HG2	1:B:37:LEU:HD23	11	0.18
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD21	11	0.18
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD22	11	0.18
(1,1878)	1:B:67:GLN:HG3	1:B:37:LEU:HD23	11	0.18
(1,1701)	1:B:12:GLU:HA	1:B:12:GLU:HG3	7	0.18
(1,1535)	1:B:96:ASP:HB3	1:B:100:HIS:HD2	4	0.18
(1,1535)	1:B:96:ASP:HB2	1:B:100:HIS:HD2	4	0.18
(1,1530)	1:B:97:VAL:HG21	1:B:88:PHE:H	8	0.18
(1,1530)	1:B:97:VAL:HG22	1:B:88:PHE:H	8	0.18
(1,1530)	1:B:97:VAL:HG23	1:B:88:PHE:H	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	4	0.18
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	4	0.18
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	4	0.18
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	4	0.18
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	4	0.18
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	4	0.18
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	4	0.18
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	4	0.18
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	4	0.18
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	4	0.18
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	4	0.18
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	4	0.18
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	20	0.18
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	20	0.18
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	20	0.18
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	12	0.18
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	14	0.18
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	16	0.18
(1,1359)	1:B:5:ARG:HB2	1:B:5:ARG:HD3	18	0.18
(1,1359)	1:B:5:ARG:HB2	1:B:5:ARG:HD2	18	0.18
(1,1268)	1:B:114:ILE:HG21	1:B:111:ARG:HA	11	0.18
(1,1268)	1:B:114:ILE:HG22	1:B:111:ARG:HA	11	0.18
(1,1268)	1:B:114:ILE:HG23	1:B:111:ARG:HA	11	0.18
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	19	0.18
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	19	0.18
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	19	0.18
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	19	0.18
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	19	0.18
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	19	0.18
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	7	0.18
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	7	0.18
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	7	0.18
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG11	20	0.18
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG12	20	0.18
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG13	20	0.18
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG21	20	0.18
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG22	20	0.18
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG23	20	0.18
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HB2	8	0.18
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HB2	8	0.18
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HB2	8	0.18
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HG3	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HG3	8	0.18
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HG3	8	0.18
(1,1138)	1:B:121:LEU:HD11	1:B:85:GLN:HB3	8	0.18
(1,1138)	1:B:121:LEU:HD12	1:B:85:GLN:HB3	8	0.18
(1,1138)	1:B:121:LEU:HD13	1:B:85:GLN:HB3	8	0.18
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	7	0.18
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	7	0.18
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	7	0.18
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	7	0.18
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	7	0.18
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	7	0.18
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	7	0.18
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	7	0.18
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	7	0.18
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	17	0.18
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	17	0.18
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	17	0.18
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	17	0.18
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	17	0.18
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	17	0.18
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	17	0.18
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	17	0.18
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	17	0.18
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	1	0.18
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	1	0.18
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	1	0.18
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD3	19	0.18
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD2	19	0.18
(3,957)	1:B:93:ASP:HB3	1:B:92:ARG:HG3	12	0.17
(3,957)	1:B:93:ASP:HB3	1:B:92:ARG:HB2	12	0.17
(3,957)	1:B:65:ASP:HB3	1:B:51:ILE:HG12	12	0.17
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	14	0.17
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	14	0.17
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	14	0.17
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	14	0.17
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	14	0.17
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	14	0.17
(3,906)	1:B:37:LEU:HD11	1:B:47:ARG:HD3	13	0.17
(3,906)	1:B:37:LEU:HD12	1:B:47:ARG:HD3	13	0.17
(3,906)	1:B:37:LEU:HD13	1:B:47:ARG:HD3	13	0.17
(3,906)	1:B:37:LEU:HD11	1:B:47:ARG:HD2	13	0.17
(3,906)	1:B:37:LEU:HD12	1:B:47:ARG:HD2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,906)	1:B:37:LEU:HD13	1:B:47:ARG:HD2	13	0.17
(3,906)	1:B:98:LEU:HD21	1:B:111:ARG:HD2	13	0.17
(3,906)	1:B:98:LEU:HD22	1:B:111:ARG:HD2	13	0.17
(3,906)	1:B:98:LEU:HD23	1:B:111:ARG:HD2	13	0.17
(3,906)	1:B:98:LEU:HD21	1:B:111:ARG:HD3	13	0.17
(3,906)	1:B:98:LEU:HD22	1:B:111:ARG:HD3	13	0.17
(3,906)	1:B:98:LEU:HD23	1:B:111:ARG:HD3	13	0.17
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	4	0.17
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	4	0.17
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	4	0.17
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	4	0.17
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	4	0.17
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	4	0.17
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD11	10	0.17
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD12	10	0.17
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD13	10	0.17
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD11	10	0.17
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD12	10	0.17
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD13	10	0.17
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD11	10	0.17
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD12	10	0.17
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD13	10	0.17
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG11	10	0.17
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG12	10	0.17
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG13	10	0.17
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG11	10	0.17
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG12	10	0.17
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG13	10	0.17
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG11	10	0.17
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG12	10	0.17
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG13	10	0.17
(3,866)	1:B:105:ILE:HD11	1:B:109:ARG:HD3	15	0.17
(3,866)	1:B:105:ILE:HD12	1:B:109:ARG:HD3	15	0.17
(3,866)	1:B:105:ILE:HD13	1:B:109:ARG:HD3	15	0.17
(3,866)	1:B:101:ILE:HD11	1:B:89:GLU:HG2	15	0.17
(3,866)	1:B:101:ILE:HD12	1:B:89:GLU:HG2	15	0.17
(3,866)	1:B:101:ILE:HD13	1:B:89:GLU:HG2	15	0.17
(3,863)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	4	0.17
(3,863)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	4	0.17
(3,863)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	4	0.17
(3,863)	1:B:36:ILE:HD11	1:B:54:LEU:HG	4	0.17
(3,863)	1:B:36:ILE:HD12	1:B:54:LEU:HG	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,863)	1:B:36:ILE:HD13	1:B:54:LEU:HG	4	0.17
(3,863)	1:B:105:ILE:HD11	1:B:109:ARG:HB2	4	0.17
(3,863)	1:B:105:ILE:HD12	1:B:109:ARG:HB2	4	0.17
(3,863)	1:B:105:ILE:HD13	1:B:109:ARG:HB2	4	0.17
(3,863)	1:B:101:ILE:HD11	1:B:111:ARG:HG2	4	0.17
(3,863)	1:B:101:ILE:HD12	1:B:111:ARG:HG2	4	0.17
(3,863)	1:B:101:ILE:HD13	1:B:111:ARG:HG2	4	0.17
(3,862)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	10	0.17
(3,862)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	10	0.17
(3,862)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	10	0.17
(3,862)	1:B:101:ILE:HD11	1:B:98:LEU:HB3	10	0.17
(3,862)	1:B:101:ILE:HD12	1:B:98:LEU:HB3	10	0.17
(3,862)	1:B:101:ILE:HD13	1:B:98:LEU:HB3	10	0.17
(3,862)	1:B:105:ILE:HD11	1:B:114:ILE:HG13	10	0.17
(3,862)	1:B:105:ILE:HD12	1:B:114:ILE:HG13	10	0.17
(3,862)	1:B:105:ILE:HD13	1:B:114:ILE:HG13	10	0.17
(3,862)	1:B:101:ILE:HD11	1:B:114:ILE:HG13	10	0.17
(3,862)	1:B:101:ILE:HD12	1:B:114:ILE:HG13	10	0.17
(3,862)	1:B:101:ILE:HD13	1:B:114:ILE:HG13	10	0.17
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB3	4	0.17
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB3	4	0.17
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB3	4	0.17
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB2	4	0.17
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB2	4	0.17
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB2	4	0.17
(3,825)	1:B:105:ILE:HG21	1:B:111:ARG:HG2	4	0.17
(3,825)	1:B:105:ILE:HG22	1:B:111:ARG:HG2	4	0.17
(3,825)	1:B:105:ILE:HG23	1:B:111:ARG:HG2	4	0.17
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB3	9	0.17
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB3	9	0.17
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB3	9	0.17
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB2	9	0.17
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB2	9	0.17
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB2	9	0.17
(3,825)	1:B:105:ILE:HG21	1:B:111:ARG:HG2	9	0.17
(3,825)	1:B:105:ILE:HG22	1:B:111:ARG:HG2	9	0.17
(3,825)	1:B:105:ILE:HG23	1:B:111:ARG:HG2	9	0.17
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB3	11	0.17
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB3	11	0.17
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB3	11	0.17
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB2	11	0.17
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB2	11	0.17
(3,825)	1:B:105:ILE:HG21	1:B:111:ARG:HG2	11	0.17
(3,825)	1:B:105:ILE:HG22	1:B:111:ARG:HG2	11	0.17
(3,825)	1:B:105:ILE:HG23	1:B:111:ARG:HG2	11	0.17
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB3	20	0.17
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB3	20	0.17
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB3	20	0.17
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB2	20	0.17
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB2	20	0.17
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB2	20	0.17
(3,825)	1:B:105:ILE:HG21	1:B:111:ARG:HG2	20	0.17
(3,825)	1:B:105:ILE:HG22	1:B:111:ARG:HG2	20	0.17
(3,825)	1:B:105:ILE:HG23	1:B:111:ARG:HG2	20	0.17
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	12	0.17
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	12	0.17
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	12	0.17
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	12	0.17
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	12	0.17
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	12	0.17
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	20	0.17
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	20	0.17
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	20	0.17
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	20	0.17
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	20	0.17
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	20	0.17
(3,77)	1:B:37:LEU:H	1:B:37:LEU:HB3	3	0.17
(3,77)	1:B:37:LEU:H	1:B:47:ARG:HB3	3	0.17
(3,77)	1:B:37:LEU:H	1:B:37:LEU:HB3	5	0.17
(3,77)	1:B:37:LEU:H	1:B:47:ARG:HB3	5	0.17
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	20	0.17
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	20	0.17
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	20	0.17
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	20	0.17
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	20	0.17
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	20	0.17
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	20	0.17
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	20	0.17
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	20	0.17
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	20	0.17
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	20	0.17
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	20	0.17
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	20	0.17
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	20	0.17
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	20	0.17
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	20	0.17
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	20	0.17
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE1	3	0.17
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE2	3	0.17
(3,734)	1:B:114:ILE:HG21	1:B:102:MET:HE3	3	0.17
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE1	3	0.17
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE2	3	0.17
(3,734)	1:B:114:ILE:HG22	1:B:102:MET:HE3	3	0.17
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE1	3	0.17
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE2	3	0.17
(3,734)	1:B:114:ILE:HG23	1:B:102:MET:HE3	3	0.17
(3,734)	1:B:114:ILE:HG21	1:B:115:VAL:HB	3	0.17
(3,734)	1:B:114:ILE:HG22	1:B:115:VAL:HB	3	0.17
(3,734)	1:B:114:ILE:HG23	1:B:115:VAL:HB	3	0.17
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG11	11	0.17
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG12	11	0.17
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG13	11	0.17
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG11	11	0.17
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG12	11	0.17
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG13	11	0.17
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG11	11	0.17
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG12	11	0.17
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG13	11	0.17
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD11	11	0.17
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD12	11	0.17
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD13	11	0.17
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD11	11	0.17
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD12	11	0.17
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD13	11	0.17
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD11	11	0.17
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD12	11	0.17
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD13	11	0.17
(3,620)	1:B:119:LEU:HD11	1:B:124:VAL:HB	5	0.17
(3,620)	1:B:119:LEU:HD12	1:B:124:VAL:HB	5	0.17
(3,620)	1:B:119:LEU:HD13	1:B:124:VAL:HB	5	0.17
(3,620)	1:B:119:LEU:HD11	1:B:127:ARG:HB2	5	0.17
(3,620)	1:B:119:LEU:HD12	1:B:127:ARG:HB2	5	0.17
(3,620)	1:B:119:LEU:HD13	1:B:127:ARG:HB2	5	0.17
(3,620)	1:B:119:LEU:HD11	1:B:127:ARG:HB3	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,620)	1:B:119:LEU:HD12	1:B:127:ARG:HB3	5	0.17
(3,620)	1:B:119:LEU:HD13	1:B:127:ARG:HB3	5	0.17
(3,558)	1:B:84:LEU:HD21	1:B:118:LEU:HA	13	0.17
(3,558)	1:B:84:LEU:HD22	1:B:118:LEU:HA	13	0.17
(3,558)	1:B:84:LEU:HD23	1:B:118:LEU:HA	13	0.17
(3,558)	1:B:84:LEU:HD21	1:B:101:ILE:HA	13	0.17
(3,558)	1:B:84:LEU:HD22	1:B:101:ILE:HA	13	0.17
(3,558)	1:B:84:LEU:HD23	1:B:101:ILE:HA	13	0.17
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB1	1	0.17
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB2	1	0.17
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB3	1	0.17
(3,504)	1:B:13:GLU:HG3	1:B:40:LEU:HB3	1	0.17
(3,504)	1:B:13:GLU:HG3	1:B:17:LEU:HG	1	0.17
(3,504)	1:B:13:GLU:HG2	1:B:40:LEU:HB3	1	0.17
(3,504)	1:B:13:GLU:HG2	1:B:45:ARG:HG2	1	0.17
(3,504)	1:B:13:GLU:HG3	1:B:45:ARG:HG2	1	0.17
(3,504)	1:B:13:GLU:HG2	1:B:17:LEU:HG	1	0.17
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	5	0.17
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	5	0.17
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	5	0.17
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	5	0.17
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	5	0.17
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	5	0.17
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	5	0.17
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	5	0.17
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	5	0.17
(3,325)	1:B:141:SER:H	1:B:124:VAL:HB	15	0.17
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB3	15	0.17
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB2	15	0.17
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	6	0.17
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB3	6	0.17
(3,318)	1:B:135:GLN:HE21	1:B:126:GLU:HG3	6	0.17
(3,1854)	1:B:9:TRP:HB3	1:B:43:VAL:H	6	0.17
(3,1854)	1:B:9:TRP:HB2	1:B:16:HIS:H	6	0.17
(3,1854)	1:B:9:TRP:HB2	1:B:43:VAL:H	6	0.17
(3,1854)	1:B:9:TRP:HB3	1:B:16:HIS:H	6	0.17
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	5	0.17
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	5	0.17
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	5	0.17
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	5	0.17
(3,172)	1:B:82:LEU:H	1:B:81:GLU:HG3	3	0.17
(3,172)	1:B:82:LEU:H	1:B:83:GLU:HG3	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HG3	19	0.17
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HG3	19	0.17
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HG3	19	0.17
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HG2	19	0.17
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HG2	19	0.17
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HG2	19	0.17
(3,1466)	1:B:50:ILE:HD11	1:B:14:GLU:HB2	19	0.17
(3,1466)	1:B:50:ILE:HD12	1:B:14:GLU:HB2	19	0.17
(3,1466)	1:B:50:ILE:HD13	1:B:14:GLU:HB2	19	0.17
(3,1466)	1:B:50:ILE:HD11	1:B:34:GLU:HG2	19	0.17
(3,1466)	1:B:50:ILE:HD12	1:B:34:GLU:HG2	19	0.17
(3,1466)	1:B:50:ILE:HD13	1:B:34:GLU:HG2	19	0.17
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HB3	19	0.17
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HB3	19	0.17
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HB3	19	0.17
(3,1466)	1:B:50:ILE:HD11	1:B:13:GLU:HB2	19	0.17
(3,1466)	1:B:50:ILE:HD12	1:B:13:GLU:HB2	19	0.17
(3,1466)	1:B:50:ILE:HD13	1:B:13:GLU:HB2	19	0.17
(3,1420)	1:B:52:HIS:HD2	1:B:48:LYS:HG3	2	0.17
(3,1420)	1:B:52:HIS:HD2	1:B:51:ILE:HG12	2	0.17
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	5	0.17
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	5	0.17
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	5	0.17
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	7	0.17
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	7	0.17
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	7	0.17
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	9	0.17
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	9	0.17
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	9	0.17
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG21	10	0.17
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG22	10	0.17
(3,1404)	1:B:83:GLU:HA	1:B:106:THR:HG23	10	0.17
(3,1404)	1:B:53:HIS:HA	1:B:59:LEU:HB3	10	0.17
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD3	10	0.17
(3,1404)	1:B:19:GLU:HA	1:B:25:LYS:HD2	10	0.17
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	13	0.17
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	13	0.17
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	13	0.17
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	13	0.17
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	13	0.17
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	13	0.17
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	13	0.17
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	13	0.17
(3,1321)	1:B:37:LEU:HD21	1:B:34:GLU:H	7	0.17
(3,1321)	1:B:37:LEU:HD22	1:B:34:GLU:H	7	0.17
(3,1321)	1:B:37:LEU:HD23	1:B:34:GLU:H	7	0.17
(3,1321)	1:B:37:LEU:HD21	1:B:33:VAL:H	7	0.17
(3,1321)	1:B:37:LEU:HD22	1:B:33:VAL:H	7	0.17
(3,1321)	1:B:37:LEU:HD23	1:B:33:VAL:H	7	0.17
(3,1288)	1:B:31:ASP:HB2	1:B:37:LEU:HG	8	0.17
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD3	8	0.17
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD2	8	0.17
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD3	8	0.17
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD2	8	0.17
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	6	0.17
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	6	0.17
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	6	0.17
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	6	0.17
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	6	0.17
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	6	0.17
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	6	0.17
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	6	0.17
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	6	0.17
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	6	0.17
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	6	0.17
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	6	0.17
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	6	0.17
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	6	0.17
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	6	0.17
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	15	0.17
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	15	0.17
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	15	0.17
(3,1152)	1:B:72:HIS:HB2	1:B:117:LYS:HA	7	0.17
(3,1152)	1:B:76:TRP:HB3	1:B:80:GLN:HA	7	0.17
(3,1152)	1:B:76:TRP:HB3	1:B:78:GLY:HA2	7	0.17
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	14	0.17
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	14	0.17
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	14	0.17
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD11	4	0.17
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD12	4	0.17
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD13	4	0.17
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG11	4	0.17
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG12	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG13	4	0.17
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG21	4	0.17
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG22	4	0.17
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG23	4	0.17
(3,1088)	1:B:80:GLN:HA	1:B:76:TRP:HE1	13	0.17
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD21	13	0.17
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD22	13	0.17
(3,1088)	1:B:102:MET:HA	1:B:84:LEU:HD23	13	0.17
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD21	13	0.17
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD22	13	0.17
(3,1088)	1:B:80:GLN:HA	1:B:84:LEU:HD23	13	0.17
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	20	0.17
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	20	0.17
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD11	11	0.17
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD12	11	0.17
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD13	11	0.17
(2,44)	1:B:50:ILE:HD11	1:B:40:LEU:H	9	0.17
(2,44)	1:B:50:ILE:HD12	1:B:40:LEU:H	9	0.17
(2,44)	1:B:50:ILE:HD13	1:B:40:LEU:H	9	0.17
(2,14)	1:B:141:SER:H	1:B:139:ALA:HA	7	0.17
(1,994)	1:B:129:GLU:HB2	1:B:124:VAL:HG21	5	0.17
(1,994)	1:B:129:GLU:HB2	1:B:124:VAL:HG22	5	0.17
(1,994)	1:B:129:GLU:HB2	1:B:124:VAL:HG23	5	0.17
(1,960)	1:B:131:TYR:HD1	1:B:130:LEU:HB3	20	0.17
(1,960)	1:B:131:TYR:HD2	1:B:130:LEU:HB3	20	0.17
(1,888)	1:B:75:LEU:HD21	1:B:75:LEU:HA	20	0.17
(1,888)	1:B:75:LEU:HD22	1:B:75:LEU:HA	20	0.17
(1,888)	1:B:75:LEU:HD23	1:B:75:LEU:HA	20	0.17
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	9	0.17
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	9	0.17
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	9	0.17
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	9	0.17
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	9	0.17
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	9	0.17
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	9	0.17
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	9	0.17
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	9	0.17
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	9	0.17
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	9	0.17
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	9	0.17
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD1	15	0.17
(1,877)	1:B:33:VAL:HG11	1:B:66:PHE:HD2	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD1	15	0.17
(1,877)	1:B:33:VAL:HG12	1:B:66:PHE:HD2	15	0.17
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD1	15	0.17
(1,877)	1:B:33:VAL:HG13	1:B:66:PHE:HD2	15	0.17
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG21	10	0.17
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG22	10	0.17
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG23	10	0.17
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG11	10	0.17
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG12	10	0.17
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG13	10	0.17
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG11	6	0.17
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG12	6	0.17
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG13	6	0.17
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	8	0.17
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	8	0.17
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	8	0.17
(1,682)	1:B:109:ARG:H	1:B:107:ALA:HB1	12	0.17
(1,682)	1:B:109:ARG:H	1:B:107:ALA:HB2	12	0.17
(1,682)	1:B:109:ARG:H	1:B:107:ALA:HB3	12	0.17
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	4	0.17
(1,608)	1:B:94:SER:H	1:B:91:PHE:HA	7	0.17
(1,594)	1:B:93:ASP:H	1:B:93:ASP:HB2	5	0.17
(1,594)	1:B:93:ASP:H	1:B:93:ASP:HB2	18	0.17
(1,54)	1:B:13:GLU:H	1:B:12:GLU:HB3	7	0.17
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	18	0.17
(1,435)	1:B:67:GLN:H	1:B:66:PHE:H	19	0.17
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	19	0.17
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	16	0.17
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	16	0.17
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	16	0.17
(1,2662)	1:B:42:THR:HG21	1:B:44:PRO:HD2	15	0.17
(1,2662)	1:B:42:THR:HG22	1:B:44:PRO:HD2	15	0.17
(1,2662)	1:B:42:THR:HG23	1:B:44:PRO:HD2	15	0.17
(1,2638)	1:B:10:SER:HB3	1:B:11:PRO:HG3	14	0.17
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	5	0.17
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	5	0.17
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	5	0.17
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	9	0.17
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	9	0.17
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	9	0.17
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	12	0.17
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	12	0.17
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HB	6	0.17
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HG13	6	0.17
(1,2397)	1:B:35:ALA:HB1	1:B:39:HIS:HB3	16	0.17
(1,2397)	1:B:35:ALA:HB2	1:B:39:HIS:HB3	16	0.17
(1,2397)	1:B:35:ALA:HB3	1:B:39:HIS:HB3	16	0.17
(1,2359)	1:B:38:ALA:HA	1:B:37:LEU:HD11	1	0.17
(1,2359)	1:B:38:ALA:HA	1:B:37:LEU:HD12	1	0.17
(1,2359)	1:B:38:ALA:HA	1:B:37:LEU:HD13	1	0.17
(1,2235)	1:B:45:ARG:HD3	1:B:43:VAL:HG21	12	0.17
(1,2235)	1:B:45:ARG:HD3	1:B:43:VAL:HG22	12	0.17
(1,2235)	1:B:45:ARG:HD3	1:B:43:VAL:HG23	12	0.17
(1,2235)	1:B:45:ARG:HD3	1:B:43:VAL:HG11	12	0.17
(1,2235)	1:B:45:ARG:HD3	1:B:43:VAL:HG12	12	0.17
(1,2235)	1:B:45:ARG:HD3	1:B:43:VAL:HG13	12	0.17
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	7	0.17
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	7	0.17
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	7	0.17
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	17	0.17
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	17	0.17
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	17	0.17
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	10	0.17
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	13	0.17
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD21	4	0.17
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD22	4	0.17
(1,1986)	1:B:59:LEU:HB3	1:B:54:LEU:HD23	4	0.17
(1,1969)	1:B:42:THR:HG21	1:B:13:GLU:HG3	18	0.17
(1,1969)	1:B:42:THR:HG22	1:B:13:GLU:HG3	18	0.17
(1,1969)	1:B:42:THR:HG23	1:B:13:GLU:HG3	18	0.17
(1,1969)	1:B:42:THR:HG21	1:B:13:GLU:HG2	18	0.17
(1,1969)	1:B:42:THR:HG22	1:B:13:GLU:HG2	18	0.17
(1,1969)	1:B:42:THR:HG23	1:B:13:GLU:HG2	18	0.17
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD21	8	0.17
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD22	8	0.17
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD23	8	0.17
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD21	8	0.17
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD22	8	0.17
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD23	8	0.17
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD21	8	0.17
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD22	8	0.17
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD23	8	0.17
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD11	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD12	8	0.17
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD13	8	0.17
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD11	8	0.17
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD12	8	0.17
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD13	8	0.17
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD11	8	0.17
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD12	8	0.17
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD13	8	0.17
(1,1966)	1:B:60:ALA:HB1	1:B:54:LEU:HD11	4	0.17
(1,1966)	1:B:60:ALA:HB1	1:B:54:LEU:HD12	4	0.17
(1,1966)	1:B:60:ALA:HB1	1:B:54:LEU:HD13	4	0.17
(1,1966)	1:B:60:ALA:HB2	1:B:54:LEU:HD11	4	0.17
(1,1966)	1:B:60:ALA:HB2	1:B:54:LEU:HD12	4	0.17
(1,1966)	1:B:60:ALA:HB2	1:B:54:LEU:HD13	4	0.17
(1,1966)	1:B:60:ALA:HB3	1:B:54:LEU:HD11	4	0.17
(1,1966)	1:B:60:ALA:HB3	1:B:54:LEU:HD12	4	0.17
(1,1966)	1:B:60:ALA:HB3	1:B:54:LEU:HD13	4	0.17
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG11	7	0.17
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG12	7	0.17
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG13	7	0.17
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG21	7	0.17
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG22	7	0.17
(1,1955)	1:B:61:ASP:HA	1:B:55:VAL:HG23	7	0.17
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB1	4	0.17
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB2	4	0.17
(1,1948)	1:B:62:SER:HB3	1:B:60:ALA:HB3	4	0.17
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	9	0.17
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	9	0.17
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	9	0.17
(1,1933)	1:B:63:VAL:HG21	1:B:66:PHE:HB3	16	0.17
(1,1933)	1:B:63:VAL:HG22	1:B:66:PHE:HB3	16	0.17
(1,1933)	1:B:63:VAL:HG23	1:B:66:PHE:HB3	16	0.17
(1,1914)	1:B:64:LYS:HD2	1:B:64:LYS:HA	16	0.17
(1,1914)	1:B:64:LYS:HD3	1:B:64:LYS:HA	16	0.17
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB1	13	0.17
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB2	13	0.17
(1,1899)	1:B:65:ASP:HB3	1:B:60:ALA:HB3	13	0.17
(1,1844)	1:B:73:ILE:HD11	1:B:80:GLN:HE21	7	0.17
(1,1844)	1:B:73:ILE:HD12	1:B:80:GLN:HE21	7	0.17
(1,1844)	1:B:73:ILE:HD13	1:B:80:GLN:HE21	7	0.17
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG21	19	0.17
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG22	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:B:30:GLN:HE22	1:B:27:VAL:HG23	19	0.17
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD1	4	0.17
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD2	4	0.17
(1,169)	1:B:30:GLN:HE21	1:B:30:GLN:HG2	1	0.17
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	16	0.17
(1,1528)	1:B:97:VAL:HG21	1:B:88:PHE:HE1	20	0.17
(1,1528)	1:B:97:VAL:HG21	1:B:88:PHE:HE2	20	0.17
(1,1528)	1:B:97:VAL:HG22	1:B:88:PHE:HE1	20	0.17
(1,1528)	1:B:97:VAL:HG22	1:B:88:PHE:HE2	20	0.17
(1,1528)	1:B:97:VAL:HG23	1:B:88:PHE:HE1	20	0.17
(1,1528)	1:B:97:VAL:HG23	1:B:88:PHE:HE2	20	0.17
(1,1444)	1:B:102:MET:HG2	1:B:102:MET:H	2	0.17
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD11	10	0.17
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD12	10	0.17
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD13	10	0.17
(1,1421)	1:B:105:ILE:HG21	1:B:102:MET:HG3	6	0.17
(1,1421)	1:B:105:ILE:HG22	1:B:102:MET:HG3	6	0.17
(1,1421)	1:B:105:ILE:HG23	1:B:102:MET:HG3	6	0.17
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	8	0.17
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	13	0.17
(1,1373)	1:B:107:ALA:HB1	1:B:105:ILE:HG12	13	0.17
(1,1373)	1:B:107:ALA:HB2	1:B:105:ILE:HG12	13	0.17
(1,1373)	1:B:107:ALA:HB3	1:B:105:ILE:HG12	13	0.17
(1,1268)	1:B:114:ILE:HG21	1:B:111:ARG:HA	7	0.17
(1,1268)	1:B:114:ILE:HG22	1:B:111:ARG:HA	7	0.17
(1,1268)	1:B:114:ILE:HG23	1:B:111:ARG:HA	7	0.17
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	19	0.17
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	19	0.17
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	19	0.17
(1,1245)	1:B:87:LEU:HD11	1:B:107:ALA:H	9	0.17
(1,1245)	1:B:87:LEU:HD12	1:B:107:ALA:H	9	0.17
(1,1245)	1:B:87:LEU:HD13	1:B:107:ALA:H	9	0.17
(1,1163)	1:B:119:LEU:HD11	1:B:129:GLU:HG2	3	0.17
(1,1163)	1:B:119:LEU:HD12	1:B:129:GLU:HG2	3	0.17
(1,1163)	1:B:119:LEU:HD13	1:B:129:GLU:HG2	3	0.17
(1,1163)	1:B:119:LEU:HD11	1:B:129:GLU:HG3	3	0.17
(1,1163)	1:B:119:LEU:HD12	1:B:129:GLU:HG3	3	0.17
(1,1163)	1:B:119:LEU:HD13	1:B:129:GLU:HG3	3	0.17
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	13	0.17
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	13	0.17
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	13	0.17
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	13	0.17
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	13	0.17
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	13	0.17
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	13	0.17
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	13	0.17
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	20	0.17
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	20	0.17
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	20	0.17
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	20	0.17
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	20	0.17
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	20	0.17
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	20	0.17
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	20	0.17
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	20	0.17
(1,1081)	1:B:124:VAL:HG21	1:B:126:GLU:H	6	0.17
(1,1081)	1:B:124:VAL:HG22	1:B:126:GLU:H	6	0.17
(1,1081)	1:B:124:VAL:HG23	1:B:126:GLU:H	6	0.17
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	2	0.17
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	2	0.17
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	2	0.17
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	16	0.17
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	16	0.17
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	16	0.17
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	17	0.17
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	17	0.17
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	17	0.17
(3,939)	1:B:97:VAL:HG21	1:B:92:ARG:H	13	0.16
(3,939)	1:B:97:VAL:HG22	1:B:92:ARG:H	13	0.16
(3,939)	1:B:97:VAL:HG23	1:B:92:ARG:H	13	0.16
(3,939)	1:B:97:VAL:HG21	1:B:99:GLY:H	13	0.16
(3,939)	1:B:97:VAL:HG22	1:B:99:GLY:H	13	0.16
(3,939)	1:B:97:VAL:HG23	1:B:99:GLY:H	13	0.16
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	6	0.16
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	6	0.16
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	6	0.16
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	6	0.16
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	6	0.16
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	6	0.16
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	18	0.16
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	18	0.16
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	18	0.16
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	18	0.16
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	18	0.16
(3,927)	1:B:97:VAL:HG11	1:B:98:LEU:HG	15	0.16
(3,927)	1:B:97:VAL:HG12	1:B:98:LEU:HG	15	0.16
(3,927)	1:B:97:VAL:HG13	1:B:98:LEU:HG	15	0.16
(3,927)	1:B:97:VAL:HG11	1:B:111:ARG:HG2	15	0.16
(3,927)	1:B:97:VAL:HG12	1:B:111:ARG:HG2	15	0.16
(3,927)	1:B:97:VAL:HG13	1:B:111:ARG:HG2	15	0.16
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD11	15	0.16
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD12	15	0.16
(3,893)	1:B:98:LEU:HD21	1:B:118:LEU:HD13	15	0.16
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD11	15	0.16
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD12	15	0.16
(3,893)	1:B:98:LEU:HD22	1:B:118:LEU:HD13	15	0.16
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD11	15	0.16
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD12	15	0.16
(3,893)	1:B:98:LEU:HD23	1:B:118:LEU:HD13	15	0.16
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG11	15	0.16
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG12	15	0.16
(3,893)	1:B:98:LEU:HD21	1:B:124:VAL:HG13	15	0.16
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG11	15	0.16
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG12	15	0.16
(3,893)	1:B:98:LEU:HD22	1:B:124:VAL:HG13	15	0.16
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG11	15	0.16
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG12	15	0.16
(3,893)	1:B:98:LEU:HD23	1:B:124:VAL:HG13	15	0.16
(3,863)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	20	0.16
(3,863)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	20	0.16
(3,863)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	20	0.16
(3,863)	1:B:36:ILE:HD11	1:B:54:LEU:HG	20	0.16
(3,863)	1:B:36:ILE:HD12	1:B:54:LEU:HG	20	0.16
(3,863)	1:B:36:ILE:HD13	1:B:54:LEU:HG	20	0.16
(3,863)	1:B:105:ILE:HD11	1:B:109:ARG:HB2	20	0.16
(3,863)	1:B:105:ILE:HD12	1:B:109:ARG:HB2	20	0.16
(3,863)	1:B:105:ILE:HD13	1:B:109:ARG:HB2	20	0.16
(3,863)	1:B:101:ILE:HD11	1:B:111:ARG:HG2	20	0.16
(3,863)	1:B:101:ILE:HD12	1:B:111:ARG:HG2	20	0.16
(3,863)	1:B:101:ILE:HD13	1:B:111:ARG:HG2	20	0.16
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD11	8	0.16
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD12	8	0.16
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD13	8	0.16
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD11	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD12	8	0.16
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD13	8	0.16
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD11	8	0.16
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD12	8	0.16
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD13	8	0.16
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG21	8	0.16
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG22	8	0.16
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG23	8	0.16
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG21	8	0.16
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG22	8	0.16
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG23	8	0.16
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG21	8	0.16
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG22	8	0.16
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG23	8	0.16
(3,839)	1:B:102:MET:HE1	1:B:103:LYS:HE2	11	0.16
(3,839)	1:B:102:MET:HE2	1:B:103:LYS:HE2	11	0.16
(3,839)	1:B:102:MET:HE3	1:B:103:LYS:HE2	11	0.16
(3,839)	1:B:102:MET:HE1	1:B:104:ASN:HB3	11	0.16
(3,839)	1:B:102:MET:HE2	1:B:104:ASN:HB3	11	0.16
(3,839)	1:B:102:MET:HE3	1:B:104:ASN:HB3	11	0.16
(3,837)	1:B:102:MET:HE1	1:B:102:MET:HA	17	0.16
(3,837)	1:B:102:MET:HE2	1:B:102:MET:HA	17	0.16
(3,837)	1:B:102:MET:HE3	1:B:102:MET:HA	17	0.16
(3,837)	1:B:102:MET:HE1	1:B:111:ARG:HA	17	0.16
(3,837)	1:B:102:MET:HE2	1:B:111:ARG:HA	17	0.16
(3,837)	1:B:102:MET:HE3	1:B:111:ARG:HA	17	0.16
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB3	15	0.16
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB3	15	0.16
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB3	15	0.16
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB2	15	0.16
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB2	15	0.16
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB2	15	0.16
(3,825)	1:B:105:ILE:HG21	1:B:111:ARG:HG2	15	0.16
(3,825)	1:B:105:ILE:HG22	1:B:111:ARG:HG2	15	0.16
(3,825)	1:B:105:ILE:HG23	1:B:111:ARG:HG2	15	0.16
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	15	0.16
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	15	0.16
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	15	0.16
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	15	0.16
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	15	0.16
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	15	0.16
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	15	0.16
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	15	0.16
(3,77)	1:B:37:LEU:H	1:B:37:LEU:HB3	14	0.16
(3,77)	1:B:37:LEU:H	1:B:47:ARG:HB3	14	0.16
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG21	17	0.16
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG22	17	0.16
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG23	17	0.16
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG21	17	0.16
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG22	17	0.16
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG23	17	0.16
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	5	0.16
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	5	0.16
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	5	0.16
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	5	0.16
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	5	0.16
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	5	0.16
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	5	0.16
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	5	0.16
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	5	0.16
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	5	0.16
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	5	0.16
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	5	0.16
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	5	0.16
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	5	0.16
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	5	0.16
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	5	0.16
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	5	0.16
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	5	0.16
(3,730)	1:B:128:ARG:HB3	1:B:126:GLU:HG3	5	0.16
(3,730)	1:B:128:ARG:HB3	1:B:126:GLU:HB2	5	0.16
(3,730)	1:B:128:ARG:HB2	1:B:126:GLU:HB2	5	0.16
(3,730)	1:B:128:ARG:HB2	1:B:126:GLU:HG3	5	0.16
(3,730)	1:B:128:ARG:HB3	1:B:129:GLU:HB3	5	0.16
(3,722)	1:B:27:VAL:HG11	1:B:30:GLN:HE21	12	0.16
(3,722)	1:B:27:VAL:HG12	1:B:30:GLN:HE21	12	0.16
(3,722)	1:B:27:VAL:HG13	1:B:30:GLN:HE21	12	0.16
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE1	12	0.16
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE2	12	0.16
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE1	12	0.16
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE2	12	0.16
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE1	12	0.16
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,711)	1:B:87:LEU:HD11	1:B:91:PHE:H	1	0.16
(3,711)	1:B:87:LEU:HD12	1:B:91:PHE:H	1	0.16
(3,711)	1:B:87:LEU:HD13	1:B:91:PHE:H	1	0.16
(3,711)	1:B:87:LEU:HD11	1:B:100:HIS:H	1	0.16
(3,711)	1:B:87:LEU:HD12	1:B:100:HIS:H	1	0.16
(3,711)	1:B:87:LEU:HD13	1:B:100:HIS:H	1	0.16
(3,711)	1:B:87:LEU:HD11	1:B:91:PHE:H	4	0.16
(3,711)	1:B:87:LEU:HD12	1:B:91:PHE:H	4	0.16
(3,711)	1:B:87:LEU:HD13	1:B:91:PHE:H	4	0.16
(3,711)	1:B:87:LEU:HD11	1:B:100:HIS:H	4	0.16
(3,711)	1:B:87:LEU:HD12	1:B:100:HIS:H	4	0.16
(3,711)	1:B:87:LEU:HD13	1:B:100:HIS:H	4	0.16
(3,693)	1:B:33:VAL:HG21	1:B:37:LEU:HG	8	0.16
(3,693)	1:B:33:VAL:HG22	1:B:37:LEU:HG	8	0.16
(3,693)	1:B:33:VAL:HG23	1:B:37:LEU:HG	8	0.16
(3,693)	1:B:33:VAL:HG21	1:B:51:ILE:HB	8	0.16
(3,693)	1:B:33:VAL:HG22	1:B:51:ILE:HB	8	0.16
(3,693)	1:B:33:VAL:HG23	1:B:51:ILE:HB	8	0.16
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG2	8	0.16
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG2	8	0.16
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG2	8	0.16
(3,693)	1:B:22:LEU:HD21	1:B:18:ARG:HG3	8	0.16
(3,693)	1:B:22:LEU:HD22	1:B:18:ARG:HG3	8	0.16
(3,693)	1:B:22:LEU:HD23	1:B:18:ARG:HG3	8	0.16
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG21	2	0.16
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG22	2	0.16
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG23	2	0.16
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD11	2	0.16
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD12	2	0.16
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD13	2	0.16
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	17	0.16
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	17	0.16
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	20	0.16
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	20	0.16
(3,470)	1:B:64:LYS:HE3	1:B:70:GLY:H	2	0.16
(3,470)	1:B:64:LYS:HE2	1:B:70:GLY:H	2	0.16
(3,470)	1:B:25:LYS:HE3	1:B:26:ASP:H	2	0.16
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD21	1	0.16
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD22	1	0.16
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD23	1	0.16
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD21	1	0.16
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD22	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD23	1	0.16
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD21	1	0.16
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD22	1	0.16
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD23	1	0.16
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG11	1	0.16
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG12	1	0.16
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG13	1	0.16
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD21	1	0.16
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD22	1	0.16
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD23	1	0.16
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG11	1	0.16
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG12	1	0.16
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG13	1	0.16
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	15	0.16
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	15	0.16
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	15	0.16
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	15	0.16
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	15	0.16
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	15	0.16
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	15	0.16
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	15	0.16
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	15	0.16
(3,357)	1:B:98:LEU:HD11	1:B:114:ILE:H	5	0.16
(3,357)	1:B:98:LEU:HD12	1:B:114:ILE:H	5	0.16
(3,357)	1:B:98:LEU:HD13	1:B:114:ILE:H	5	0.16
(3,357)	1:B:98:LEU:HD11	1:B:116:ASP:H	5	0.16
(3,357)	1:B:98:LEU:HD12	1:B:116:ASP:H	5	0.16
(3,357)	1:B:98:LEU:HD13	1:B:116:ASP:H	5	0.16
(3,331)	1:B:70:GLY:H	1:B:69:LYS:H	8	0.16
(3,331)	1:B:70:GLY:H	1:B:71:THR:H	8	0.16
(3,325)	1:B:141:SER:H	1:B:124:VAL:HB	11	0.16
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB3	11	0.16
(3,325)	1:B:141:SER:H	1:B:128:ARG:HB2	11	0.16
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD21	1	0.16
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD22	1	0.16
(3,192)	1:B:85:GLN:HE22	1:B:123:LEU:HD23	1	0.16
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD21	1	0.16
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD22	1	0.16
(3,192)	1:B:85:GLN:HE22	1:B:121:LEU:HD23	1	0.16
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG11	16	0.16
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG12	16	0.16
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG13	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD11	16	0.16
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD12	16	0.16
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD13	16	0.16
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG21	16	0.16
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG22	16	0.16
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG23	16	0.16
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	16	0.16
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	16	0.16
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	16	0.16
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	16	0.16
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	19	0.16
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	19	0.16
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	19	0.16
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	19	0.16
(3,1751)	1:B:113:ARG:HD2	1:B:74:VAL:HG21	9	0.16
(3,1751)	1:B:113:ARG:HD2	1:B:74:VAL:HG22	9	0.16
(3,1751)	1:B:113:ARG:HD2	1:B:74:VAL:HG23	9	0.16
(3,1751)	1:B:113:ARG:HD3	1:B:74:VAL:HG21	9	0.16
(3,1751)	1:B:113:ARG:HD3	1:B:74:VAL:HG22	9	0.16
(3,1751)	1:B:113:ARG:HD3	1:B:74:VAL:HG23	9	0.16
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD11	9	0.16
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD12	9	0.16
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD13	9	0.16
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD21	9	0.16
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD22	9	0.16
(3,1751)	1:B:18:ARG:HD3	1:B:22:LEU:HD23	9	0.16
(3,1751)	1:B:18:ARG:HD3	1:B:59:LEU:HD21	9	0.16
(3,1751)	1:B:18:ARG:HD3	1:B:59:LEU:HD22	9	0.16
(3,1751)	1:B:18:ARG:HD3	1:B:59:LEU:HD23	9	0.16
(3,1671)	1:B:32:VAL:HG11	1:B:66:PHE:H	3	0.16
(3,1671)	1:B:32:VAL:HG12	1:B:66:PHE:H	3	0.16
(3,1671)	1:B:32:VAL:HG13	1:B:66:PHE:H	3	0.16
(3,1671)	1:B:32:VAL:HG11	1:B:24:ASN:HD22	3	0.16
(3,1671)	1:B:32:VAL:HG12	1:B:24:ASN:HD22	3	0.16
(3,1671)	1:B:32:VAL:HG13	1:B:24:ASN:HD22	3	0.16
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD11	1	0.16
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD12	1	0.16
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD13	1	0.16
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG21	1	0.16
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG22	1	0.16
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG23	1	0.16
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG21	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG22	1	0.16
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG23	1	0.16
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD11	11	0.16
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD12	11	0.16
(3,1645)	1:B:89:GLU:HG2	1:B:123:LEU:HD13	11	0.16
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD11	11	0.16
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD12	11	0.16
(3,1645)	1:B:34:GLU:HG2	1:B:37:LEU:HD13	11	0.16
(3,1576)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	4	0.16
(3,1576)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	4	0.16
(3,1576)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	4	0.16
(3,1576)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	4	0.16
(3,1576)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	4	0.16
(3,1576)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	4	0.16
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	10	0.16
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	10	0.16
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	10	0.16
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	16	0.16
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	16	0.16
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	16	0.16
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	16	0.16
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	7	0.16
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	7	0.16
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	7	0.16
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	7	0.16
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	7	0.16
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	7	0.16
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	7	0.16
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	7	0.16
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	7	0.16
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	16	0.16
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	16	0.16
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	16	0.16
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	16	0.16
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	16	0.16
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	16	0.16
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	16	0.16
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	16	0.16
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	16	0.16
(3,1384)	1:B:54:LEU:HD21	1:B:59:LEU:HB2	17	0.16
(3,1384)	1:B:54:LEU:HD22	1:B:59:LEU:HB2	17	0.16
(3,1384)	1:B:54:LEU:HD23	1:B:59:LEU:HB2	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB1	17	0.16
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB2	17	0.16
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB3	17	0.16
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB1	17	0.16
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB2	17	0.16
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB3	17	0.16
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB1	17	0.16
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB2	17	0.16
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB3	17	0.16
(3,1361)	1:B:55:VAL:HG11	1:B:52:HIS:HB2	20	0.16
(3,1361)	1:B:55:VAL:HG12	1:B:52:HIS:HB2	20	0.16
(3,1361)	1:B:55:VAL:HG13	1:B:52:HIS:HB2	20	0.16
(3,1361)	1:B:74:VAL:HG11	1:B:127:ARG:HD3	20	0.16
(3,1361)	1:B:74:VAL:HG12	1:B:127:ARG:HD3	20	0.16
(3,1361)	1:B:74:VAL:HG13	1:B:127:ARG:HD3	20	0.16
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	4	0.16
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	4	0.16
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	4	0.16
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	4	0.16
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	4	0.16
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	4	0.16
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	8	0.16
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	8	0.16
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	8	0.16
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	8	0.16
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	8	0.16
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	8	0.16
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	14	0.16
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	14	0.16
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	14	0.16
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	14	0.16
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	14	0.16
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	14	0.16
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	4	0.16
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	4	0.16
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	4	0.16
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	18	0.16
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	18	0.16
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	18	0.16
(3,1234)	1:B:46:THR:HG21	1:B:47:ARG:HD3	4	0.16
(3,1234)	1:B:46:THR:HG22	1:B:47:ARG:HD3	4	0.16
(3,1234)	1:B:46:THR:HG23	1:B:47:ARG:HD3	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1234)	1:B:46:THR:HG21	1:B:52:HIS:HB2	4	0.16
(3,1234)	1:B:46:THR:HG22	1:B:52:HIS:HB2	4	0.16
(3,1234)	1:B:46:THR:HG23	1:B:52:HIS:HB2	4	0.16
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	2	0.16
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	2	0.16
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	2	0.16
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	8	0.16
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	8	0.16
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	8	0.16
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	19	0.16
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	19	0.16
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	19	0.16
(3,1139)	1:B:72:HIS:HB2	1:B:117:LYS:HB2	17	0.16
(3,1139)	1:B:72:HIS:HB2	1:B:73:ILE:HG13	17	0.16
(3,1139)	1:B:76:TRP:HB3	1:B:73:ILE:HG13	17	0.16
(3,1126)	1:B:76:TRP:HB2	1:B:74:VAL:HG21	2	0.16
(3,1126)	1:B:76:TRP:HB2	1:B:74:VAL:HG22	2	0.16
(3,1126)	1:B:76:TRP:HB2	1:B:74:VAL:HG23	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:50:ILE:HG21	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:50:ILE:HG22	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:50:ILE:HG23	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:63:VAL:HG21	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:63:VAL:HG22	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:63:VAL:HG23	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:63:VAL:HG11	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:63:VAL:HG12	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:63:VAL:HG13	2	0.16
(3,1126)	1:B:76:TRP:HB2	1:B:114:ILE:HD11	2	0.16
(3,1126)	1:B:76:TRP:HB2	1:B:114:ILE:HD12	2	0.16
(3,1126)	1:B:76:TRP:HB2	1:B:114:ILE:HD13	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:33:VAL:HG21	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:33:VAL:HG22	2	0.16
(3,1126)	1:B:52:HIS:HB3	1:B:33:VAL:HG23	2	0.16
(3,1063)	1:B:85:GLN:HG2	1:B:86:ARG:HG3	6	0.16
(3,1063)	1:B:85:GLN:HG2	1:B:82:LEU:HB3	6	0.16
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	12	0.16
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	12	0.16
(2,7)	1:B:68:ARG:H	1:B:64:LYS:HB3	7	0.16
(2,28)	1:B:106:THR:HG21	1:B:80:GLN:HB3	13	0.16
(2,28)	1:B:106:THR:HG22	1:B:80:GLN:HB3	13	0.16
(2,28)	1:B:106:THR:HG23	1:B:80:GLN:HB3	13	0.16
(1,952)	1:B:131:TYR:HE1	1:B:115:VAL:HB	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:B:131:TYR:HE2	1:B:115:VAL:HB	2	0.16
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	13	0.16
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	13	0.16
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	13	0.16
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	17	0.16
(1,770)	1:B:126:GLU:H	1:B:124:VAL:HG11	5	0.16
(1,770)	1:B:126:GLU:H	1:B:124:VAL:HG12	5	0.16
(1,770)	1:B:126:GLU:H	1:B:124:VAL:HG13	5	0.16
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	1	0.16
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	1	0.16
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	1	0.16
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	9	0.16
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	9	0.16
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	9	0.16
(1,723)	1:B:117:LYS:H	1:B:114:ILE:HG12	19	0.16
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	6	0.16
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	6	0.16
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	6	0.16
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG2	20	0.16
(1,678)	1:B:108:LYS:H	1:B:108:LYS:HG3	20	0.16
(1,644)	1:B:103:LYS:H	1:B:102:MET:HB2	10	0.16
(1,431)	1:B:67:GLN:H	1:B:64:LYS:HB3	1	0.16
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	13	0.16
(1,31)	1:B:9:TRP:H	1:B:9:TRP:HD1	11	0.16
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	6	0.16
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	7	0.16
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG11	12	0.16
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG12	12	0.16
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG13	12	0.16
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG11	12	0.16
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG12	12	0.16
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG13	12	0.16
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG11	12	0.16
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG12	12	0.16
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG13	12	0.16
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG21	12	0.16
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG22	12	0.16
(1,2680)	1:B:6:ALA:HB1	1:B:43:VAL:HG23	12	0.16
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG21	12	0.16
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG22	12	0.16
(1,2680)	1:B:6:ALA:HB2	1:B:43:VAL:HG23	12	0.16
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG21	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG22	12	0.16
(1,2680)	1:B:6:ALA:HB3	1:B:43:VAL:HG23	12	0.16
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	5	0.16
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	5	0.16
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	5	0.16
(1,2522)	1:B:21:TYR:HD1	1:B:22:LEU:HA	1	0.16
(1,2522)	1:B:21:TYR:HD2	1:B:22:LEU:HA	1	0.16
(1,25)	1:B:8:THR:H	1:B:8:THR:HG21	15	0.16
(1,25)	1:B:8:THR:H	1:B:8:THR:HG22	15	0.16
(1,25)	1:B:8:THR:H	1:B:8:THR:HG23	15	0.16
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD11	12	0.16
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD12	12	0.16
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD13	12	0.16
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD11	12	0.16
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD12	12	0.16
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD13	12	0.16
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD11	12	0.16
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD12	12	0.16
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD13	12	0.16
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD11	16	0.16
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD12	16	0.16
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD13	16	0.16
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD11	16	0.16
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD12	16	0.16
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD13	16	0.16
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD11	16	0.16
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD12	16	0.16
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD13	16	0.16
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HB	3	0.16
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HG13	3	0.16
(1,2404)	1:B:34:GLU:HG3	1:B:31:ASP:HB3	16	0.16
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	5	0.16
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	5	0.16
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	5	0.16
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	5	0.16
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	5	0.16
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	5	0.16
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	5	0.16
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	5	0.16
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	5	0.16
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	10	0.16
(1,2294)	1:B:43:VAL:HG11	1:B:44:PRO:HD2	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2294)	1:B:43:VAL:HG12	1:B:44:PRO:HD2	14	0.16
(1,2294)	1:B:43:VAL:HG13	1:B:44:PRO:HD2	14	0.16
(1,2293)	1:B:43:VAL:HB	1:B:44:PRO:HD2	15	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG21	9	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG22	9	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG23	9	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG11	9	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG12	9	0.16
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG13	9	0.16
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	10	0.16
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	10	0.16
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	10	0.16
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	17	0.16
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	17	0.16
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	17	0.16
(1,2118)	1:B:52:HIS:HE1	1:B:55:VAL:HG21	1	0.16
(1,2118)	1:B:52:HIS:HE1	1:B:55:VAL:HG22	1	0.16
(1,2118)	1:B:52:HIS:HE1	1:B:55:VAL:HG23	1	0.16
(1,2118)	1:B:52:HIS:HE1	1:B:55:VAL:HG11	1	0.16
(1,2118)	1:B:52:HIS:HE1	1:B:55:VAL:HG12	1	0.16
(1,2118)	1:B:52:HIS:HE1	1:B:55:VAL:HG13	1	0.16
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD11	19	0.16
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD12	19	0.16
(1,2086)	1:B:54:LEU:HD21	1:B:17:LEU:HD13	19	0.16
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD11	19	0.16
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD12	19	0.16
(1,2086)	1:B:54:LEU:HD22	1:B:17:LEU:HD13	19	0.16
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD11	19	0.16
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD12	19	0.16
(1,2086)	1:B:54:LEU:HD23	1:B:17:LEU:HD13	19	0.16
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	7	0.16
(1,2023)	1:B:57:MET:HE1	1:B:18:ARG:HB2	7	0.16
(1,2023)	1:B:57:MET:HE2	1:B:18:ARG:HB2	7	0.16
(1,2023)	1:B:57:MET:HE3	1:B:18:ARG:HB2	7	0.16
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	18	0.16
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	18	0.16
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	18	0.16
(1,1969)	1:B:42:THR:HG21	1:B:13:GLU:HG3	17	0.16
(1,1969)	1:B:42:THR:HG22	1:B:13:GLU:HG3	17	0.16
(1,1969)	1:B:42:THR:HG23	1:B:13:GLU:HG3	17	0.16
(1,1969)	1:B:42:THR:HG21	1:B:13:GLU:HG2	17	0.16
(1,1969)	1:B:42:THR:HG22	1:B:13:GLU:HG2	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1969)	1:B:42:THR:HG23	1:B:13:GLU:HG2	17	0.16
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD21	19	0.16
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD22	19	0.16
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD23	19	0.16
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD21	19	0.16
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD22	19	0.16
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD23	19	0.16
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD21	19	0.16
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD22	19	0.16
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD23	19	0.16
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD11	19	0.16
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD12	19	0.16
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD13	19	0.16
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD11	19	0.16
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD12	19	0.16
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD13	19	0.16
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD11	19	0.16
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD12	19	0.16
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD13	19	0.16
(1,1947)	1:B:62:SER:HB3	1:B:65:ASP:HB3	9	0.16
(1,1943)	1:B:62:SER:HB3	1:B:63:VAL:H	14	0.16
(1,1940)	1:B:63:VAL:HG21	1:B:64:LYS:H	6	0.16
(1,1940)	1:B:63:VAL:HG22	1:B:64:LYS:H	6	0.16
(1,1940)	1:B:63:VAL:HG23	1:B:64:LYS:H	6	0.16
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	18	0.16
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	18	0.16
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	18	0.16
(1,1914)	1:B:64:LYS:HD2	1:B:64:LYS:HA	5	0.16
(1,1914)	1:B:64:LYS:HD3	1:B:64:LYS:HA	5	0.16
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG21	18	0.16
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG22	18	0.16
(1,1897)	1:B:69:LYS:HA	1:B:71:THR:HG23	18	0.16
(1,1834)	1:B:73:ILE:HG21	1:B:74:VAL:H	8	0.16
(1,1834)	1:B:73:ILE:HG22	1:B:74:VAL:H	8	0.16
(1,1834)	1:B:73:ILE:HG23	1:B:74:VAL:H	8	0.16
(1,175)	1:B:30:GLN:HE22	1:B:30:GLN:HG2	6	0.16
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	13	0.16
(1,1567)	1:B:92:ARG:HG2	1:B:89:GLU:HA	12	0.16
(1,1511)	1:B:37:LEU:HB3	1:B:36:ILE:H	19	0.16
(1,1444)	1:B:102:MET:HG2	1:B:102:MET:H	20	0.16
(1,14)	1:B:6:ALA:H	1:B:5:ARG:HB3	1	0.16
(1,1385)	1:B:106:THR:HB	1:B:105:ILE:HB	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:B:110:SER:HA	1:B:102:MET:HG3	7	0.16
(1,1286)	1:B:114:ILE:HD11	1:B:109:ARG:HD2	14	0.16
(1,1286)	1:B:114:ILE:HD12	1:B:109:ARG:HD2	14	0.16
(1,1286)	1:B:114:ILE:HD13	1:B:109:ARG:HD2	14	0.16
(1,1286)	1:B:114:ILE:HD11	1:B:109:ARG:HD2	19	0.16
(1,1286)	1:B:114:ILE:HD12	1:B:109:ARG:HD2	19	0.16
(1,1286)	1:B:114:ILE:HD13	1:B:109:ARG:HD2	19	0.16
(1,1235)	1:B:115:VAL:HG21	1:B:127:ARG:HG2	1	0.16
(1,1235)	1:B:115:VAL:HG22	1:B:127:ARG:HG2	1	0.16
(1,1235)	1:B:115:VAL:HG23	1:B:127:ARG:HG2	1	0.16
(1,1224)	1:B:87:LEU:HD11	1:B:101:ILE:HA	20	0.16
(1,1224)	1:B:87:LEU:HD12	1:B:101:ILE:HA	20	0.16
(1,1224)	1:B:87:LEU:HD13	1:B:101:ILE:HA	20	0.16
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	18	0.16
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	18	0.16
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	18	0.16
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	18	0.16
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	18	0.16
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	18	0.16
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	18	0.16
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	18	0.16
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	18	0.16
(1,1076)	1:B:124:VAL:HG11	1:B:115:VAL:HA	17	0.16
(1,1076)	1:B:124:VAL:HG12	1:B:115:VAL:HA	17	0.16
(1,1076)	1:B:124:VAL:HG13	1:B:115:VAL:HA	17	0.16
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	19	0.16
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	19	0.16
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	19	0.16
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	6	0.15
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	6	0.15
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	6	0.15
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	6	0.15
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD2	19	0.15
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD3	19	0.15
(3,988)	1:B:45:ARG:HB2	1:B:52:HIS:HB2	19	0.15
(3,988)	1:B:45:ARG:HB3	1:B:52:HIS:HB2	19	0.15
(3,988)	1:B:45:ARG:HB3	1:B:47:ARG:HD3	19	0.15
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	3	0.15
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	3	0.15
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	3	0.15
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	3	0.15
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	3	0.15
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	5	0.15
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	5	0.15
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	5	0.15
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	5	0.15
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	5	0.15
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	5	0.15
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	11	0.15
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	11	0.15
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	11	0.15
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	11	0.15
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	11	0.15
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	11	0.15
(3,935)	1:B:33:VAL:HG21	1:B:37:LEU:HB3	7	0.15
(3,935)	1:B:33:VAL:HG22	1:B:37:LEU:HB3	7	0.15
(3,935)	1:B:33:VAL:HG23	1:B:37:LEU:HB3	7	0.15
(3,935)	1:B:97:VAL:HG21	1:B:98:LEU:HB3	7	0.15
(3,935)	1:B:97:VAL:HG22	1:B:98:LEU:HB3	7	0.15
(3,935)	1:B:97:VAL:HG23	1:B:98:LEU:HB3	7	0.15
(3,935)	1:B:33:VAL:HG21	1:B:47:ARG:HB3	7	0.15
(3,935)	1:B:33:VAL:HG22	1:B:47:ARG:HB3	7	0.15
(3,935)	1:B:33:VAL:HG23	1:B:47:ARG:HB3	7	0.15
(3,920)	1:B:98:LEU:HG	1:B:100:HIS:H	16	0.15
(3,920)	1:B:98:LEU:HG	1:B:130:LEU:H	16	0.15
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	7	0.15
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	7	0.15
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	7	0.15
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	7	0.15
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	7	0.15
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	7	0.15
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	7	0.15
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	7	0.15
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	7	0.15
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	7	0.15
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	7	0.15
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	7	0.15
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	7	0.15
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	7	0.15
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	7	0.15
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	7	0.15
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	7	0.15
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,897)	1:B:98:LEU:HD21	1:B:101:ILE:HB	8	0.15
(3,897)	1:B:98:LEU:HD22	1:B:101:ILE:HB	8	0.15
(3,897)	1:B:98:LEU:HD23	1:B:101:ILE:HB	8	0.15
(3,897)	1:B:98:LEU:HD21	1:B:118:LEU:HB2	8	0.15
(3,897)	1:B:98:LEU:HD22	1:B:118:LEU:HB2	8	0.15
(3,897)	1:B:98:LEU:HD23	1:B:118:LEU:HB2	8	0.15
(3,863)	1:B:105:ILE:HD11	1:B:84:LEU:HB2	15	0.15
(3,863)	1:B:105:ILE:HD12	1:B:84:LEU:HB2	15	0.15
(3,863)	1:B:105:ILE:HD13	1:B:84:LEU:HB2	15	0.15
(3,863)	1:B:36:ILE:HD11	1:B:54:LEU:HG	15	0.15
(3,863)	1:B:36:ILE:HD12	1:B:54:LEU:HG	15	0.15
(3,863)	1:B:36:ILE:HD13	1:B:54:LEU:HG	15	0.15
(3,863)	1:B:105:ILE:HD11	1:B:109:ARG:HB2	15	0.15
(3,863)	1:B:105:ILE:HD12	1:B:109:ARG:HB2	15	0.15
(3,863)	1:B:105:ILE:HD13	1:B:109:ARG:HB2	15	0.15
(3,863)	1:B:101:ILE:HD11	1:B:111:ARG:HG2	15	0.15
(3,863)	1:B:101:ILE:HD12	1:B:111:ARG:HG2	15	0.15
(3,863)	1:B:101:ILE:HD13	1:B:111:ARG:HG2	15	0.15
(3,837)	1:B:102:MET:HE1	1:B:102:MET:HA	19	0.15
(3,837)	1:B:102:MET:HE2	1:B:102:MET:HA	19	0.15
(3,837)	1:B:102:MET:HE3	1:B:102:MET:HA	19	0.15
(3,837)	1:B:102:MET:HE1	1:B:111:ARG:HA	19	0.15
(3,837)	1:B:102:MET:HE2	1:B:111:ARG:HA	19	0.15
(3,837)	1:B:102:MET:HE3	1:B:111:ARG:HA	19	0.15
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE1	7	0.15
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE2	7	0.15
(3,830)	1:B:31:ASP:HB3	1:B:30:GLN:HE21	7	0.15
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB3	13	0.15
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB3	13	0.15
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB3	13	0.15
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB2	13	0.15
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB2	13	0.15
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB2	13	0.15
(3,825)	1:B:105:ILE:HG21	1:B:111:ARG:HG2	13	0.15
(3,825)	1:B:105:ILE:HG22	1:B:111:ARG:HG2	13	0.15
(3,825)	1:B:105:ILE:HG23	1:B:111:ARG:HG2	13	0.15
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB3	16	0.15
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB3	16	0.15
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB3	16	0.15
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB2	16	0.15
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB2	16	0.15
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB2	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,825)	1:B:105:ILE:HG21	1:B:111:ARG:HG2	16	0.15
(3,825)	1:B:105:ILE:HG22	1:B:111:ARG:HG2	16	0.15
(3,825)	1:B:105:ILE:HG23	1:B:111:ARG:HG2	16	0.15
(3,772)	1:B:59:LEU:HG	1:B:59:LEU:H	4	0.15
(3,772)	1:B:109:ARG:HG3	1:B:109:ARG:H	4	0.15
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	12	0.15
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	12	0.15
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	12	0.15
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	12	0.15
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	12	0.15
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	12	0.15
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	12	0.15
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	12	0.15
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	12	0.15
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	12	0.15
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	12	0.15
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	12	0.15
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	12	0.15
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	12	0.15
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	12	0.15
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	12	0.15
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	12	0.15
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	12	0.15
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	19	0.15
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	19	0.15
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	19	0.15
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	19	0.15
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	19	0.15
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	19	0.15
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	19	0.15
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	19	0.15
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	19	0.15
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	19	0.15
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	19	0.15
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	19	0.15
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	19	0.15
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	19	0.15
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	19	0.15
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	19	0.15
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	19	0.15
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	19	0.15
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD11	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD12	5	0.15
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD13	5	0.15
(3,726)	1:B:114:ILE:HG13	1:B:117:LYS:HD3	5	0.15
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG11	5	0.15
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG12	5	0.15
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG13	5	0.15
(3,622)	1:B:119:LEU:HD11	1:B:116:ASP:HA	10	0.15
(3,622)	1:B:119:LEU:HD12	1:B:116:ASP:HA	10	0.15
(3,622)	1:B:119:LEU:HD13	1:B:116:ASP:HA	10	0.15
(3,622)	1:B:119:LEU:HD11	1:B:124:VAL:HA	10	0.15
(3,622)	1:B:119:LEU:HD12	1:B:124:VAL:HA	10	0.15
(3,622)	1:B:119:LEU:HD13	1:B:124:VAL:HA	10	0.15
(3,619)	1:B:119:LEU:HD11	1:B:115:VAL:HB	3	0.15
(3,619)	1:B:119:LEU:HD12	1:B:115:VAL:HB	3	0.15
(3,619)	1:B:119:LEU:HD13	1:B:115:VAL:HB	3	0.15
(3,619)	1:B:119:LEU:HD11	1:B:126:GLU:HB2	3	0.15
(3,619)	1:B:119:LEU:HD12	1:B:126:GLU:HB2	3	0.15
(3,619)	1:B:119:LEU:HD13	1:B:126:GLU:HB2	3	0.15
(3,619)	1:B:119:LEU:HD11	1:B:126:GLU:HG3	3	0.15
(3,619)	1:B:119:LEU:HD12	1:B:126:GLU:HG3	3	0.15
(3,619)	1:B:119:LEU:HD13	1:B:126:GLU:HG3	3	0.15
(3,619)	1:B:119:LEU:HD11	1:B:115:VAL:HB	13	0.15
(3,619)	1:B:119:LEU:HD12	1:B:115:VAL:HB	13	0.15
(3,619)	1:B:119:LEU:HD13	1:B:115:VAL:HB	13	0.15
(3,619)	1:B:119:LEU:HD11	1:B:126:GLU:HB2	13	0.15
(3,619)	1:B:119:LEU:HD12	1:B:126:GLU:HB2	13	0.15
(3,619)	1:B:119:LEU:HD13	1:B:126:GLU:HB2	13	0.15
(3,619)	1:B:119:LEU:HD11	1:B:126:GLU:HG3	13	0.15
(3,619)	1:B:119:LEU:HD12	1:B:126:GLU:HG3	13	0.15
(3,619)	1:B:119:LEU:HD13	1:B:126:GLU:HG3	13	0.15
(3,611)	1:B:120:ALA:HB1	1:B:119:LEU:HB2	15	0.15
(3,611)	1:B:120:ALA:HB2	1:B:119:LEU:HB2	15	0.15
(3,611)	1:B:120:ALA:HB3	1:B:119:LEU:HB2	15	0.15
(3,611)	1:B:112:ALA:HB1	1:B:111:ARG:HG2	15	0.15
(3,611)	1:B:112:ALA:HB2	1:B:111:ARG:HG2	15	0.15
(3,611)	1:B:112:ALA:HB3	1:B:111:ARG:HG2	15	0.15
(3,611)	1:B:112:ALA:HB1	1:B:127:ARG:HG2	15	0.15
(3,611)	1:B:112:ALA:HB2	1:B:127:ARG:HG2	15	0.15
(3,611)	1:B:112:ALA:HB3	1:B:127:ARG:HG2	15	0.15
(3,60)	1:B:29:GLY:H	1:B:27:VAL:HA	3	0.15
(3,60)	1:B:29:GLY:H	1:B:25:LYS:HA	3	0.15
(3,541)	1:B:124:VAL:HG21	1:B:126:GLU:HG3	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,541)	1:B:124:VAL:HG22	1:B:126:GLU:HG3	17	0.15
(3,541)	1:B:124:VAL:HG23	1:B:126:GLU:HG3	17	0.15
(3,541)	1:B:124:VAL:HG21	1:B:129:GLU:HB3	17	0.15
(3,541)	1:B:124:VAL:HG22	1:B:129:GLU:HB3	17	0.15
(3,541)	1:B:124:VAL:HG23	1:B:129:GLU:HB3	17	0.15
(3,541)	1:B:124:VAL:HG21	1:B:115:VAL:HB	17	0.15
(3,541)	1:B:124:VAL:HG22	1:B:115:VAL:HB	17	0.15
(3,541)	1:B:124:VAL:HG23	1:B:115:VAL:HB	17	0.15
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	15	0.15
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	15	0.15
(3,470)	1:B:64:LYS:HE3	1:B:70:GLY:H	5	0.15
(3,470)	1:B:64:LYS:HE2	1:B:70:GLY:H	5	0.15
(3,470)	1:B:25:LYS:HE3	1:B:26:ASP:H	5	0.15
(3,458)	1:B:25:LYS:HE2	1:B:25:LYS:HG2	7	0.15
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG21	7	0.15
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG22	7	0.15
(3,458)	1:B:48:LYS:HE2	1:B:46:THR:HG23	7	0.15
(3,458)	1:B:25:LYS:HE3	1:B:25:LYS:HG2	7	0.15
(3,453)	1:B:47:ARG:HD3	1:B:37:LEU:HD21	9	0.15
(3,453)	1:B:47:ARG:HD3	1:B:37:LEU:HD22	9	0.15
(3,453)	1:B:47:ARG:HD3	1:B:37:LEU:HD23	9	0.15
(3,453)	1:B:47:ARG:HD2	1:B:37:LEU:HD21	9	0.15
(3,453)	1:B:47:ARG:HD2	1:B:37:LEU:HD22	9	0.15
(3,453)	1:B:47:ARG:HD2	1:B:37:LEU:HD23	9	0.15
(3,453)	1:B:127:ARG:HD3	1:B:119:LEU:HD21	9	0.15
(3,453)	1:B:127:ARG:HD3	1:B:119:LEU:HD22	9	0.15
(3,453)	1:B:127:ARG:HD3	1:B:119:LEU:HD23	9	0.15
(3,453)	1:B:18:ARG:HD2	1:B:59:LEU:HD11	9	0.15
(3,453)	1:B:18:ARG:HD2	1:B:59:LEU:HD12	9	0.15
(3,453)	1:B:18:ARG:HD2	1:B:59:LEU:HD13	9	0.15
(3,453)	1:B:127:ARG:HD2	1:B:119:LEU:HD21	9	0.15
(3,453)	1:B:127:ARG:HD2	1:B:119:LEU:HD22	9	0.15
(3,453)	1:B:127:ARG:HD2	1:B:119:LEU:HD23	9	0.15
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD21	5	0.15
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD22	5	0.15
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD23	5	0.15
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD21	5	0.15
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD22	5	0.15
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD23	5	0.15
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD21	5	0.15
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD22	5	0.15
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD23	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG11	5	0.15
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG12	5	0.15
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG13	5	0.15
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD21	5	0.15
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD22	5	0.15
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD23	5	0.15
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG11	5	0.15
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG12	5	0.15
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG13	5	0.15
(3,382)	1:B:128:ARG:HG2	1:B:126:GLU:HG3	13	0.15
(3,382)	1:B:128:ARG:HG2	1:B:126:GLU:HB2	13	0.15
(3,382)	1:B:128:ARG:HG3	1:B:126:GLU:HB2	13	0.15
(3,382)	1:B:128:ARG:HG3	1:B:126:GLU:HG3	13	0.15
(3,382)	1:B:128:ARG:HG2	1:B:129:GLU:HB3	13	0.15
(3,382)	1:B:128:ARG:HG3	1:B:129:GLU:HB3	13	0.15
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	14	0.15
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	14	0.15
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	14	0.15
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	14	0.15
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	14	0.15
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	14	0.15
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	14	0.15
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	14	0.15
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	14	0.15
(3,358)	1:B:98:LEU:HD11	1:B:113:ARG:H	15	0.15
(3,358)	1:B:98:LEU:HD12	1:B:113:ARG:H	15	0.15
(3,358)	1:B:98:LEU:HD13	1:B:113:ARG:H	15	0.15
(3,358)	1:B:98:LEU:HD11	1:B:117:LYS:H	15	0.15
(3,358)	1:B:98:LEU:HD12	1:B:117:LYS:H	15	0.15
(3,358)	1:B:98:LEU:HD13	1:B:117:LYS:H	15	0.15
(3,232)	1:B:104:ASN:H	1:B:87:LEU:HB3	12	0.15
(3,232)	1:B:104:ASN:H	1:B:105:ILE:HG12	12	0.15
(3,1859)	1:B:8:THR:HG21	1:B:9:TRP:HE1	20	0.15
(3,1859)	1:B:8:THR:HG22	1:B:9:TRP:HE1	20	0.15
(3,1859)	1:B:8:THR:HG23	1:B:9:TRP:HE1	20	0.15
(3,1859)	1:B:42:THR:HG21	1:B:9:TRP:HE1	20	0.15
(3,1859)	1:B:42:THR:HG22	1:B:9:TRP:HE1	20	0.15
(3,1859)	1:B:42:THR:HG23	1:B:9:TRP:HE1	20	0.15
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	14	0.15
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	14	0.15
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	14	0.15
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	20	0.15
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	20	0.15
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	20	0.15
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	20	0.15
(3,172)	1:B:82:LEU:H	1:B:81:GLU:HG3	7	0.15
(3,172)	1:B:82:LEU:H	1:B:83:GLU:HG3	7	0.15
(3,1659)	1:B:33:VAL:HB	1:B:33:VAL:H	10	0.15
(3,1659)	1:B:33:VAL:HB	1:B:34:GLU:H	10	0.15
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	14	0.15
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	14	0.15
(3,1576)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	3	0.15
(3,1576)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	3	0.15
(3,1576)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	3	0.15
(3,1576)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	3	0.15
(3,1576)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	3	0.15
(3,1576)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	3	0.15
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	6	0.15
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	6	0.15
(3,1569)	1:B:40:LEU:HB2	1:B:37:LEU:HA	5	0.15
(3,1569)	1:B:40:LEU:HB2	1:B:17:LEU:HA	5	0.15
(3,1528)	1:B:46:THR:HB	1:B:45:ARG:HG2	5	0.15
(3,1528)	1:B:46:THR:HB	1:B:48:LYS:HG3	5	0.15
(3,145)	1:B:66:PHE:H	1:B:65:ASP:HB3	16	0.15
(3,145)	1:B:66:PHE:H	1:B:67:GLN:HG2	16	0.15
(3,145)	1:B:66:PHE:H	1:B:67:GLN:HG3	16	0.15
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	4	0.15
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	4	0.15
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	4	0.15
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	4	0.15
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	4	0.15
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	4	0.15
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	4	0.15
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	4	0.15
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	4	0.15
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	17	0.15
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	17	0.15
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	17	0.15
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	17	0.15
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	17	0.15
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	17	0.15
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	17	0.15
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	17	0.15
(3,1384)	1:B:54:LEU:HD21	1:B:59:LEU:HB2	12	0.15
(3,1384)	1:B:54:LEU:HD22	1:B:59:LEU:HB2	12	0.15
(3,1384)	1:B:54:LEU:HD23	1:B:59:LEU:HB2	12	0.15
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB1	12	0.15
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB2	12	0.15
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB3	12	0.15
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB1	12	0.15
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB2	12	0.15
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB3	12	0.15
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB1	12	0.15
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB2	12	0.15
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB3	12	0.15
(3,1360)	1:B:55:VAL:HG11	1:B:63:VAL:HB	2	0.15
(3,1360)	1:B:55:VAL:HG12	1:B:63:VAL:HB	2	0.15
(3,1360)	1:B:55:VAL:HG13	1:B:63:VAL:HB	2	0.15
(3,1360)	1:B:55:VAL:HG11	1:B:56:GLN:HG2	2	0.15
(3,1360)	1:B:55:VAL:HG12	1:B:56:GLN:HG2	2	0.15
(3,1360)	1:B:55:VAL:HG13	1:B:56:GLN:HG2	2	0.15
(3,1314)	1:B:37:LEU:HD21	1:B:34:GLU:HG2	10	0.15
(3,1314)	1:B:37:LEU:HD22	1:B:34:GLU:HG2	10	0.15
(3,1314)	1:B:37:LEU:HD23	1:B:34:GLU:HG2	10	0.15
(3,1314)	1:B:119:LEU:HD21	1:B:129:GLU:HG2	10	0.15
(3,1314)	1:B:119:LEU:HD22	1:B:129:GLU:HG2	10	0.15
(3,1314)	1:B:119:LEU:HD23	1:B:129:GLU:HG2	10	0.15
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG2	10	0.15
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG2	10	0.15
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG2	10	0.15
(3,1314)	1:B:37:LEU:HD21	1:B:67:GLN:HG3	10	0.15
(3,1314)	1:B:37:LEU:HD22	1:B:67:GLN:HG3	10	0.15
(3,1314)	1:B:37:LEU:HD23	1:B:67:GLN:HG3	10	0.15
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	11	0.15
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	11	0.15
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	11	0.15
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	11	0.15
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	11	0.15
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	11	0.15
(3,1247)	1:B:89:GLU:HB3	1:B:90:GLU:HB3	11	0.15
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG3	11	0.15
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG2	11	0.15
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	15	0.15
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	15	0.15
(3,1234)	1:B:46:THR:HG21	1:B:47:ARG:HD3	19	0.15
(3,1234)	1:B:46:THR:HG22	1:B:47:ARG:HD3	19	0.15
(3,1234)	1:B:46:THR:HG23	1:B:47:ARG:HD3	19	0.15
(3,1234)	1:B:46:THR:HG21	1:B:52:HIS:HB2	19	0.15
(3,1234)	1:B:46:THR:HG22	1:B:52:HIS:HB2	19	0.15
(3,1234)	1:B:46:THR:HG23	1:B:52:HIS:HB2	19	0.15
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD3	13	0.15
(3,1230)	1:B:71:THR:HA	1:B:68:ARG:HD2	13	0.15
(3,1230)	1:B:71:THR:HA	1:B:88:PHE:HB3	13	0.15
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD11	18	0.15
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD12	18	0.15
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD13	18	0.15
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG11	18	0.15
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG12	18	0.15
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG13	18	0.15
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG21	18	0.15
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG22	18	0.15
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG23	18	0.15
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	11	0.15
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	11	0.15
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	9	0.15
(2,11)	1:B:110:SER:H	1:B:74:VAL:HB	2	0.15
(2,10)	1:B:104:ASN:H	1:B:100:HIS:H	14	0.15
(1,966)	1:B:131:TYR:HD1	1:B:130:LEU:H	20	0.15
(1,966)	1:B:131:TYR:HD2	1:B:130:LEU:H	20	0.15
(1,930)	1:B:134:ARG:HD3	1:B:134:ARG:H	10	0.15
(1,930)	1:B:134:ARG:HD2	1:B:134:ARG:H	10	0.15
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	5	0.15
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	5	0.15
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	5	0.15
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	5	0.15
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	5	0.15
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	5	0.15
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE1	10	0.15
(1,878)	1:B:33:VAL:HG11	1:B:66:PHE:HE2	10	0.15
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE1	10	0.15
(1,878)	1:B:33:VAL:HG12	1:B:66:PHE:HE2	10	0.15
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE1	10	0.15
(1,878)	1:B:33:VAL:HG13	1:B:66:PHE:HE2	10	0.15
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE1	15	0.15
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE2	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:B:16:HIS:H	1:B:57:MET:HE3	15	0.15
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	15	0.15
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	15	0.15
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	15	0.15
(1,737)	1:B:120:ALA:H	1:B:123:LEU:HB2	10	0.15
(1,723)	1:B:117:LYS:H	1:B:114:ILE:HG12	11	0.15
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE1	16	0.15
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE2	16	0.15
(1,706)	1:B:113:ARG:H	1:B:102:MET:HE3	16	0.15
(1,662)	1:B:106:THR:H	1:B:105:ILE:HG13	2	0.15
(1,537)	1:B:85:GLN:HE21	1:B:85:GLN:HB2	10	0.15
(1,537)	1:B:85:GLN:HE21	1:B:85:GLN:HG3	10	0.15
(1,537)	1:B:85:GLN:HE21	1:B:85:GLN:HB2	16	0.15
(1,537)	1:B:85:GLN:HE21	1:B:85:GLN:HG3	16	0.15
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	12	0.15
(1,451)	1:B:68:ARG:H	1:B:70:GLY:H	6	0.15
(1,435)	1:B:67:GLN:H	1:B:66:PHE:H	15	0.15
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	3	0.15
(1,33)	1:B:9:TRP:HE1	1:B:53:HIS:H	16	0.15
(1,3)	1:B:102:MET:H	1:B:102:MET:HG3	13	0.15
(1,2759)	1:B:88:PHE:HZ	1:B:89:GLU:HG3	12	0.15
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	10	0.15
(1,2687)	1:B:6:ALA:HB1	1:B:49:GLN:HE22	7	0.15
(1,2687)	1:B:6:ALA:HB2	1:B:49:GLN:HE22	7	0.15
(1,2687)	1:B:6:ALA:HB3	1:B:49:GLN:HE22	7	0.15
(1,2687)	1:B:6:ALA:HB1	1:B:49:GLN:HE22	13	0.15
(1,2687)	1:B:6:ALA:HB2	1:B:49:GLN:HE22	13	0.15
(1,2687)	1:B:6:ALA:HB3	1:B:49:GLN:HE22	13	0.15
(1,2681)	1:B:6:ALA:HB1	1:B:7:PRO:HB2	4	0.15
(1,2681)	1:B:6:ALA:HB2	1:B:7:PRO:HB2	4	0.15
(1,2681)	1:B:6:ALA:HB3	1:B:7:PRO:HB2	4	0.15
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD11	12	0.15
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD12	12	0.15
(1,2598)	1:B:18:ARG:HB3	1:B:59:LEU:HD13	12	0.15
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	7	0.15
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	7	0.15
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	7	0.15
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	10	0.15
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	10	0.15
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	10	0.15
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD21	5	0.15
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD22	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD23	5	0.15
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD21	5	0.15
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD22	5	0.15
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD23	5	0.15
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD21	5	0.15
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD22	5	0.15
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD23	5	0.15
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD21	14	0.15
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD22	14	0.15
(1,2558)	1:B:17:LEU:HD21	1:B:54:LEU:HD23	14	0.15
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD21	14	0.15
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD22	14	0.15
(1,2558)	1:B:17:LEU:HD22	1:B:54:LEU:HD23	14	0.15
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD21	14	0.15
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD22	14	0.15
(1,2558)	1:B:17:LEU:HD23	1:B:54:LEU:HD23	14	0.15
(1,25)	1:B:8:THR:H	1:B:8:THR:HG21	16	0.15
(1,25)	1:B:8:THR:H	1:B:8:THR:HG22	16	0.15
(1,25)	1:B:8:THR:H	1:B:8:THR:HG23	16	0.15
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE1	4	0.15
(1,2465)	1:B:86:ARG:HB3	1:B:91:PHE:HE2	4	0.15
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE1	4	0.15
(1,2465)	1:B:86:ARG:HB2	1:B:91:PHE:HE2	4	0.15
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD21	6	0.15
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD22	6	0.15
(1,2357)	1:B:16:HIS:HE1	1:B:20:LEU:HD23	6	0.15
(1,2338)	1:B:40:LEU:HD11	1:B:9:TRP:HZ3	17	0.15
(1,2338)	1:B:40:LEU:HD12	1:B:9:TRP:HZ3	17	0.15
(1,2338)	1:B:40:LEU:HD13	1:B:9:TRP:HZ3	17	0.15
(1,2296)	1:B:43:VAL:HG21	1:B:44:PRO:HD2	11	0.15
(1,2296)	1:B:43:VAL:HG22	1:B:44:PRO:HD2	11	0.15
(1,2296)	1:B:43:VAL:HG23	1:B:44:PRO:HD2	11	0.15
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG21	12	0.15
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG22	12	0.15
(1,2204)	1:B:69:LYS:HB3	1:B:71:THR:HG23	12	0.15
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG21	12	0.15
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG22	12	0.15
(1,2204)	1:B:69:LYS:HB2	1:B:71:THR:HG23	12	0.15
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	4	0.15
(1,1995)	1:B:37:LEU:HD21	1:B:50:ILE:HB	11	0.15
(1,1995)	1:B:37:LEU:HD22	1:B:50:ILE:HB	11	0.15
(1,1995)	1:B:37:LEU:HD23	1:B:50:ILE:HB	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD21	13	0.15
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD22	13	0.15
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD23	13	0.15
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD21	13	0.15
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD22	13	0.15
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD23	13	0.15
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD21	13	0.15
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD22	13	0.15
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD23	13	0.15
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD11	13	0.15
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD12	13	0.15
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD13	13	0.15
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD11	13	0.15
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD12	13	0.15
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD13	13	0.15
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD11	13	0.15
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD12	13	0.15
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD13	13	0.15
(1,1923)	1:B:64:LYS:HB3	1:B:63:VAL:H	10	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	15	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	15	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	15	0.15
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	15	0.15
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	15	0.15
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	15	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	15	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	15	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	15	0.15
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	15	0.15
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	15	0.15
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	15	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	18	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	18	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	18	0.15
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	18	0.15
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	18	0.15
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	18	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	18	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	18	0.15
(1,1913)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	18	0.15
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	18	0.15
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	18	0.15
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD1	8	0.15
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD2	8	0.15
(1,1633)	1:B:90:GLU:HG3	1:B:86:ARG:HA	20	0.15
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	1	0.15
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	1	0.15
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	1	0.15
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	1	0.15
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	7	0.15
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	7	0.15
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	7	0.15
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	7	0.15
(1,1620)	1:B:90:GLU:HG2	1:B:91:PHE:HD1	15	0.15
(1,1620)	1:B:90:GLU:HG2	1:B:91:PHE:HD2	15	0.15
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG21	16	0.15
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG22	16	0.15
(1,1606)	1:B:66:PHE:HE1	1:B:51:ILE:HG23	16	0.15
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG21	16	0.15
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG22	16	0.15
(1,1606)	1:B:66:PHE:HE2	1:B:51:ILE:HG23	16	0.15
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE1	1	0.15
(1,1589)	1:B:92:ARG:HB3	1:B:88:PHE:HE2	1	0.15
(1,1558)	1:B:92:ARG:HD2	1:B:89:GLU:HB2	18	0.15
(1,1511)	1:B:37:LEU:HB3	1:B:36:ILE:H	7	0.15
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	1	0.15
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	1	0.15
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE3	5	0.15
(1,1484)	1:B:100:HIS:HA	1:B:103:LYS:HE2	5	0.15
(1,1482)	1:B:100:HIS:HD2	1:B:97:VAL:HA	14	0.15
(1,1443)	1:B:102:MET:HE1	1:B:103:LYS:H	1	0.15
(1,1443)	1:B:102:MET:HE2	1:B:103:LYS:H	1	0.15
(1,1443)	1:B:102:MET:HE3	1:B:103:LYS:H	1	0.15
(1,1443)	1:B:102:MET:HE1	1:B:103:LYS:H	14	0.15
(1,1443)	1:B:102:MET:HE2	1:B:103:LYS:H	14	0.15
(1,1443)	1:B:102:MET:HE3	1:B:103:LYS:H	14	0.15
(1,1439)	1:B:102:MET:HE1	1:B:102:MET:H	9	0.15
(1,1439)	1:B:102:MET:HE2	1:B:102:MET:H	9	0.15
(1,1439)	1:B:102:MET:HE3	1:B:102:MET:H	9	0.15
(1,1433)	1:B:103:LYS:HE2	1:B:103:LYS:HG3	13	0.15
(1,1433)	1:B:103:LYS:HE3	1:B:103:LYS:HG3	13	0.15
(1,1433)	1:B:103:LYS:HE2	1:B:103:LYS:HG2	13	0.15
(1,1433)	1:B:103:LYS:HE3	1:B:103:LYS:HG2	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1425)	1:B:103:LYS:HE2	1:B:103:LYS:H	4	0.15
(1,1425)	1:B:103:LYS:HE3	1:B:103:LYS:H	4	0.15
(1,1311)	1:B:110:SER:HA	1:B:102:MET:HG3	10	0.15
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	4	0.15
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	4	0.15
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	4	0.15
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	20	0.15
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	20	0.15
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	20	0.15
(1,1231)	1:B:115:VAL:HG21	1:B:116:ASP:HB3	8	0.15
(1,1231)	1:B:115:VAL:HG22	1:B:116:ASP:HB3	8	0.15
(1,1231)	1:B:115:VAL:HG23	1:B:116:ASP:HB3	8	0.15
(1,1175)	1:B:119:LEU:HD11	1:B:118:LEU:H	2	0.15
(1,1175)	1:B:119:LEU:HD12	1:B:118:LEU:H	2	0.15
(1,1175)	1:B:119:LEU:HD13	1:B:118:LEU:H	2	0.15
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB2	8	0.15
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB2	8	0.15
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB2	8	0.15
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB3	8	0.15
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB3	8	0.15
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB3	8	0.15
(1,1081)	1:B:124:VAL:HG21	1:B:126:GLU:H	20	0.15
(1,1081)	1:B:124:VAL:HG22	1:B:126:GLU:H	20	0.15
(1,1081)	1:B:124:VAL:HG23	1:B:126:GLU:H	20	0.15
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	9	0.14
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	9	0.14
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	9	0.14
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	9	0.14
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	9	0.14
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	9	0.14
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	9	0.14
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	9	0.14
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	9	0.14
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	9	0.14
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	9	0.14
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	9	0.14
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	9	0.14
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	9	0.14
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	9	0.14
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	9	0.14
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	9	0.14
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	11	0.14
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	11	0.14
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	11	0.14
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	11	0.14
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	11	0.14
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	11	0.14
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	11	0.14
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	11	0.14
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	11	0.14
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	11	0.14
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	11	0.14
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	11	0.14
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	11	0.14
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	11	0.14
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	11	0.14
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	11	0.14
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	11	0.14
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	11	0.14
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	5	0.14
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	5	0.14
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	5	0.14
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	5	0.14
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	5	0.14
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	5	0.14
(3,837)	1:B:102:MET:HE1	1:B:102:MET:HA	12	0.14
(3,837)	1:B:102:MET:HE2	1:B:102:MET:HA	12	0.14
(3,837)	1:B:102:MET:HE3	1:B:102:MET:HA	12	0.14
(3,837)	1:B:102:MET:HE1	1:B:111:ARG:HA	12	0.14
(3,837)	1:B:102:MET:HE2	1:B:111:ARG:HA	12	0.14
(3,837)	1:B:102:MET:HE3	1:B:111:ARG:HA	12	0.14
(3,772)	1:B:59:LEU:HG	1:B:59:LEU:H	10	0.14
(3,772)	1:B:109:ARG:HG3	1:B:109:ARG:H	10	0.14
(3,77)	1:B:37:LEU:H	1:B:37:LEU:HB3	1	0.14
(3,77)	1:B:37:LEU:H	1:B:47:ARG:HB3	1	0.14
(3,77)	1:B:37:LEU:H	1:B:37:LEU:HB3	17	0.14
(3,77)	1:B:37:LEU:H	1:B:47:ARG:HB3	17	0.14
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD11	1	0.14
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD12	1	0.14
(3,726)	1:B:114:ILE:HG13	1:B:118:LEU:HD13	1	0.14
(3,726)	1:B:114:ILE:HG13	1:B:117:LYS:HD3	1	0.14
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG11	1	0.14
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG12	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,726)	1:B:128:ARG:HB3	1:B:124:VAL:HG13	1	0.14
(3,722)	1:B:27:VAL:HG11	1:B:30:GLN:HE21	20	0.14
(3,722)	1:B:27:VAL:HG12	1:B:30:GLN:HE21	20	0.14
(3,722)	1:B:27:VAL:HG13	1:B:30:GLN:HE21	20	0.14
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE1	20	0.14
(3,722)	1:B:63:VAL:HG11	1:B:66:PHE:HE2	20	0.14
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE1	20	0.14
(3,722)	1:B:63:VAL:HG12	1:B:66:PHE:HE2	20	0.14
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE1	20	0.14
(3,722)	1:B:63:VAL:HG13	1:B:66:PHE:HE2	20	0.14
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG21	7	0.14
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG22	7	0.14
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG23	7	0.14
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD11	7	0.14
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD12	7	0.14
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD13	7	0.14
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	11	0.14
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	11	0.14
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	11	0.14
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	11	0.14
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	11	0.14
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	11	0.14
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	11	0.14
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	11	0.14
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	11	0.14
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	12	0.14
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	12	0.14
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB1	5	0.14
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB2	5	0.14
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB3	5	0.14
(3,504)	1:B:13:GLU:HG3	1:B:40:LEU:HB3	5	0.14
(3,504)	1:B:13:GLU:HG3	1:B:17:LEU:HG	5	0.14
(3,504)	1:B:13:GLU:HG2	1:B:40:LEU:HB3	5	0.14
(3,504)	1:B:13:GLU:HG2	1:B:45:ARG:HG2	5	0.14
(3,504)	1:B:13:GLU:HG3	1:B:45:ARG:HG2	5	0.14
(3,504)	1:B:13:GLU:HG2	1:B:17:LEU:HG	5	0.14
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG3	4	0.14
(3,439)	1:B:135:GLN:HB3	1:B:136:LYS:HG2	4	0.14
(3,439)	1:B:14:GLU:HB3	1:B:17:LEU:HG	4	0.14
(3,377)	1:B:98:LEU:HD11	1:B:111:ARG:HD2	1	0.14
(3,377)	1:B:98:LEU:HD12	1:B:111:ARG:HD2	1	0.14
(3,377)	1:B:98:LEU:HD13	1:B:111:ARG:HD2	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,377)	1:B:98:LEU:HD11	1:B:111:ARG:HD3	1	0.14
(3,377)	1:B:98:LEU:HD12	1:B:111:ARG:HD3	1	0.14
(3,377)	1:B:98:LEU:HD13	1:B:111:ARG:HD3	1	0.14
(3,377)	1:B:98:LEU:HD11	1:B:88:PHE:HB3	1	0.14
(3,377)	1:B:98:LEU:HD12	1:B:88:PHE:HB3	1	0.14
(3,377)	1:B:98:LEU:HD13	1:B:88:PHE:HB3	1	0.14
(3,377)	1:B:98:LEU:HD11	1:B:111:ARG:HD2	3	0.14
(3,377)	1:B:98:LEU:HD12	1:B:111:ARG:HD2	3	0.14
(3,377)	1:B:98:LEU:HD13	1:B:111:ARG:HD2	3	0.14
(3,377)	1:B:98:LEU:HD11	1:B:111:ARG:HD3	3	0.14
(3,377)	1:B:98:LEU:HD12	1:B:111:ARG:HD3	3	0.14
(3,377)	1:B:98:LEU:HD13	1:B:111:ARG:HD3	3	0.14
(3,377)	1:B:98:LEU:HD11	1:B:88:PHE:HB3	3	0.14
(3,377)	1:B:98:LEU:HD12	1:B:88:PHE:HB3	3	0.14
(3,377)	1:B:98:LEU:HD13	1:B:88:PHE:HB3	3	0.14
(3,339)	1:B:3:SER:HB2	1:B:4:ARG:HG3	4	0.14
(3,339)	1:B:3:SER:HB2	1:B:4:ARG:HG2	4	0.14
(3,339)	1:B:3:SER:HB2	1:B:45:ARG:HB3	4	0.14
(3,339)	1:B:3:SER:HB2	1:B:45:ARG:HB2	4	0.14
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	7	0.14
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB3	7	0.14
(3,318)	1:B:135:GLN:HE21	1:B:126:GLU:HG3	7	0.14
(3,257)	1:B:116:ASP:H	1:B:127:ARG:HG3	5	0.14
(3,257)	1:B:116:ASP:H	1:B:118:LEU:HB3	5	0.14
(3,1859)	1:B:8:THR:HG21	1:B:9:TRP:HE1	9	0.14
(3,1859)	1:B:8:THR:HG22	1:B:9:TRP:HE1	9	0.14
(3,1859)	1:B:8:THR:HG23	1:B:9:TRP:HE1	9	0.14
(3,1859)	1:B:42:THR:HG21	1:B:9:TRP:HE1	9	0.14
(3,1859)	1:B:42:THR:HG22	1:B:9:TRP:HE1	9	0.14
(3,1859)	1:B:42:THR:HG23	1:B:9:TRP:HE1	9	0.14
(3,1859)	1:B:8:THR:HG21	1:B:9:TRP:HE1	11	0.14
(3,1859)	1:B:8:THR:HG22	1:B:9:TRP:HE1	11	0.14
(3,1859)	1:B:8:THR:HG23	1:B:9:TRP:HE1	11	0.14
(3,1859)	1:B:42:THR:HG21	1:B:9:TRP:HE1	11	0.14
(3,1859)	1:B:42:THR:HG22	1:B:9:TRP:HE1	11	0.14
(3,1859)	1:B:42:THR:HG23	1:B:9:TRP:HE1	11	0.14
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	10	0.14
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	10	0.14
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	10	0.14
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	10	0.14
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	10	0.14
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1829)	1:B:10:SER:HB2	1:B:10:SER:HB3	1	0.14
(3,1829)	1:B:10:SER:HB2	1:B:11:PRO:HD2	1	0.14
(3,1829)	1:B:10:SER:HB2	1:B:10:SER:HB3	12	0.14
(3,1829)	1:B:10:SER:HB2	1:B:11:PRO:HD2	12	0.14
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG11	13	0.14
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG12	13	0.14
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG13	13	0.14
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD11	13	0.14
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD12	13	0.14
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD13	13	0.14
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG21	13	0.14
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG22	13	0.14
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG23	13	0.14
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	1	0.14
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	1	0.14
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	1	0.14
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	1	0.14
(3,1671)	1:B:32:VAL:HG11	1:B:66:PHE:H	13	0.14
(3,1671)	1:B:32:VAL:HG12	1:B:66:PHE:H	13	0.14
(3,1671)	1:B:32:VAL:HG13	1:B:66:PHE:H	13	0.14
(3,1671)	1:B:32:VAL:HG11	1:B:24:ASN:HD22	13	0.14
(3,1671)	1:B:32:VAL:HG12	1:B:24:ASN:HD22	13	0.14
(3,1671)	1:B:32:VAL:HG13	1:B:24:ASN:HD22	13	0.14
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	10	0.14
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	10	0.14
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	10	0.14
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	10	0.14
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG3	15	0.14
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HG2	15	0.14
(3,1536)	1:B:45:ARG:HD2	1:B:13:GLU:HB3	15	0.14
(3,1536)	1:B:45:ARG:HD2	1:B:67:GLN:HG3	15	0.14
(3,1479)	1:B:127:ARG:HG3	1:B:127:ARG:H	5	0.14
(3,1479)	1:B:47:ARG:HG2	1:B:47:ARG:H	5	0.14
(3,1423)	1:B:52:HIS:HE1	1:B:63:VAL:HB	6	0.14
(3,1423)	1:B:52:HIS:HE1	1:B:56:GLN:HG2	6	0.14
(3,1423)	1:B:52:HIS:HE1	1:B:63:VAL:HB	12	0.14
(3,1423)	1:B:52:HIS:HE1	1:B:56:GLN:HG2	12	0.14
(3,1418)	1:B:9:TRP:HE3	1:B:12:GLU:HB3	15	0.14
(3,1418)	1:B:52:HIS:HD2	1:B:55:VAL:HB	15	0.14
(3,1418)	1:B:52:HIS:HD2	1:B:67:GLN:HB2	15	0.14
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	20	0.14
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	20	0.14
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	13	0.14
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	13	0.14
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	13	0.14
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	13	0.14
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	13	0.14
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	13	0.14
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	15	0.14
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	15	0.14
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	15	0.14
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	15	0.14
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	15	0.14
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	15	0.14
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	15	0.14
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	15	0.14
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	15	0.14
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	5	0.14
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	5	0.14
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	5	0.14
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	5	0.14
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	5	0.14
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	5	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	7	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	7	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	7	0.14
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	7	0.14
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	7	0.14
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	7	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	7	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	7	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	7	0.14
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	7	0.14
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	7	0.14
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	7	0.14
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	7	0.14
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	7	0.14
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	7	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	12	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	12	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	12	0.14
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	12	0.14
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	12	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	12	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	12	0.14
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	12	0.14
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	12	0.14
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	12	0.14
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	12	0.14
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	12	0.14
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	12	0.14
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	12	0.14
(3,1247)	1:B:89:GLU:HB3	1:B:90:GLU:HB3	16	0.14
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG3	16	0.14
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG2	16	0.14
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	13	0.14
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	13	0.14
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	13	0.14
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	16	0.14
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	16	0.14
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	16	0.14
(3,1237)	1:B:46:THR:HG21	1:B:53:HIS:HE1	2	0.14
(3,1237)	1:B:46:THR:HG22	1:B:53:HIS:HE1	2	0.14
(3,1237)	1:B:46:THR:HG23	1:B:53:HIS:HE1	2	0.14
(3,1237)	1:B:77:THR:HG21	1:B:84:LEU:H	2	0.14
(3,1237)	1:B:77:THR:HG22	1:B:84:LEU:H	2	0.14
(3,1237)	1:B:77:THR:HG23	1:B:84:LEU:H	2	0.14
(3,1237)	1:B:71:THR:HG21	1:B:84:LEU:H	2	0.14
(3,1237)	1:B:71:THR:HG22	1:B:84:LEU:H	2	0.14
(3,1237)	1:B:71:THR:HG23	1:B:84:LEU:H	2	0.14
(3,1234)	1:B:46:THR:HG21	1:B:47:ARG:HD3	3	0.14
(3,1234)	1:B:46:THR:HG22	1:B:47:ARG:HD3	3	0.14
(3,1234)	1:B:46:THR:HG23	1:B:47:ARG:HD3	3	0.14
(3,1234)	1:B:46:THR:HG21	1:B:52:HIS:HB2	3	0.14
(3,1234)	1:B:46:THR:HG22	1:B:52:HIS:HB2	3	0.14
(3,1234)	1:B:46:THR:HG23	1:B:52:HIS:HB2	3	0.14
(3,1229)	1:B:71:THR:HA	1:B:73:ILE:HB	4	0.14
(3,1229)	1:B:71:THR:HA	1:B:81:GLU:HB2	4	0.14
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	3	0.14
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	3	0.14
(3,1223)	1:B:72:HIS:HD2	1:B:73:ILE:HB	6	0.14
(3,1223)	1:B:72:HIS:HD2	1:B:119:LEU:HB2	6	0.14
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB2	2	0.14
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB2	2	0.14
(3,1189)	1:B:73:ILE:HG21	1:B:114:ILE:HB	2	0.14
(3,1189)	1:B:73:ILE:HG22	1:B:114:ILE:HB	2	0.14
(3,1189)	1:B:73:ILE:HG23	1:B:114:ILE:HB	2	0.14
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HB3	2	0.14
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HB3	2	0.14
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HB3	2	0.14
(3,1189)	1:B:73:ILE:HG21	1:B:113:ARG:HB3	2	0.14
(3,1189)	1:B:73:ILE:HG22	1:B:113:ARG:HB3	2	0.14
(3,1189)	1:B:73:ILE:HG23	1:B:113:ARG:HB3	2	0.14
(3,1189)	1:B:73:ILE:HG21	1:B:85:GLN:HG3	2	0.14
(3,1189)	1:B:73:ILE:HG22	1:B:85:GLN:HG3	2	0.14
(3,1189)	1:B:73:ILE:HG23	1:B:85:GLN:HG3	2	0.14
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	1	0.14
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	1	0.14
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	1	0.14
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	1	0.14
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	1	0.14
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	1	0.14
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	1	0.14
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	1	0.14
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	1	0.14
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	17	0.14
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	17	0.14
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	17	0.14
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	17	0.14
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	17	0.14
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	17	0.14
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	17	0.14
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	17	0.14
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	17	0.14
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	20	0.14
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	20	0.14
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	20	0.14
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	20	0.14
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	20	0.14
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	20	0.14
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	20	0.14
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	20	0.14
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	20	0.14
(3,1185)	1:B:73:ILE:HD11	1:B:80:GLN:HB2	20	0.14
(3,1185)	1:B:73:ILE:HD12	1:B:80:GLN:HB2	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1185)	1:B:73:ILE:HD13	1:B:80:GLN:HB2	20	0.14
(3,1185)	1:B:73:ILE:HD11	1:B:83:GLU:HB2	20	0.14
(3,1185)	1:B:73:ILE:HD12	1:B:83:GLU:HB2	20	0.14
(3,1185)	1:B:73:ILE:HD13	1:B:83:GLU:HB2	20	0.14
(3,1185)	1:B:73:ILE:HD11	1:B:109:ARG:HD3	20	0.14
(3,1185)	1:B:73:ILE:HD12	1:B:109:ARG:HD3	20	0.14
(3,1185)	1:B:73:ILE:HD13	1:B:109:ARG:HD3	20	0.14
(3,1185)	1:B:73:ILE:HD11	1:B:89:GLU:HG2	20	0.14
(3,1185)	1:B:73:ILE:HD12	1:B:89:GLU:HG2	20	0.14
(3,1185)	1:B:73:ILE:HD13	1:B:89:GLU:HG2	20	0.14
(3,1174)	1:B:74:VAL:HG11	1:B:75:LEU:HG	9	0.14
(3,1174)	1:B:74:VAL:HG12	1:B:75:LEU:HG	9	0.14
(3,1174)	1:B:74:VAL:HG13	1:B:75:LEU:HG	9	0.14
(3,1174)	1:B:74:VAL:HG11	1:B:117:LYS:HB3	9	0.14
(3,1174)	1:B:74:VAL:HG12	1:B:117:LYS:HB3	9	0.14
(3,1174)	1:B:74:VAL:HG13	1:B:117:LYS:HB3	9	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD11	12	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD12	12	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD13	12	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG11	12	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG12	12	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG13	12	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG21	12	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG22	12	0.14
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG23	12	0.14
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD11	14	0.14
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD12	14	0.14
(3,1074)	1:B:84:LEU:HD11	1:B:118:LEU:HD13	14	0.14
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD11	14	0.14
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD12	14	0.14
(3,1074)	1:B:84:LEU:HD12	1:B:118:LEU:HD13	14	0.14
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD11	14	0.14
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD12	14	0.14
(3,1074)	1:B:84:LEU:HD13	1:B:118:LEU:HD13	14	0.14
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG11	14	0.14
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG12	14	0.14
(3,1074)	1:B:115:VAL:HG11	1:B:124:VAL:HG13	14	0.14
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG11	14	0.14
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG12	14	0.14
(3,1074)	1:B:115:VAL:HG12	1:B:124:VAL:HG13	14	0.14
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG11	14	0.14
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG12	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1074)	1:B:115:VAL:HG13	1:B:124:VAL:HG13	14	0.14
(3,1050)	1:B:82:LEU:HG	1:B:85:GLN:HG2	3	0.14
(3,1050)	1:B:82:LEU:HG	1:B:83:GLU:HG3	3	0.14
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	1	0.14
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	1	0.14
(2,9)	1:B:85:GLN:HE22	1:B:89:GLU:HG2	3	0.14
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD11	13	0.14
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD12	13	0.14
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD13	13	0.14
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	20	0.14
(2,16)	1:B:3:SER:HB3	1:B:44:PRO:HA	8	0.14
(2,11)	1:B:110:SER:H	1:B:74:VAL:HB	8	0.14
(2,10)	1:B:104:ASN:H	1:B:100:HIS:H	18	0.14
(1,959)	1:B:131:TYR:HD1	1:B:127:ARG:HB3	8	0.14
(1,959)	1:B:131:TYR:HD2	1:B:127:ARG:HB3	8	0.14
(1,959)	1:B:131:TYR:HD1	1:B:127:ARG:HB2	8	0.14
(1,959)	1:B:131:TYR:HD2	1:B:127:ARG:HB2	8	0.14
(1,959)	1:B:131:TYR:HD1	1:B:127:ARG:HB3	20	0.14
(1,959)	1:B:131:TYR:HD2	1:B:127:ARG:HB3	20	0.14
(1,959)	1:B:131:TYR:HD1	1:B:127:ARG:HB2	20	0.14
(1,959)	1:B:131:TYR:HD2	1:B:127:ARG:HB2	20	0.14
(1,958)	1:B:131:TYR:HD1	1:B:115:VAL:HB	5	0.14
(1,958)	1:B:131:TYR:HD2	1:B:115:VAL:HB	5	0.14
(1,905)	1:B:130:LEU:HD21	1:B:129:GLU:HG3	7	0.14
(1,905)	1:B:130:LEU:HD22	1:B:129:GLU:HG3	7	0.14
(1,905)	1:B:130:LEU:HD23	1:B:129:GLU:HG3	7	0.14
(1,898)	1:B:82:LEU:HD21	1:B:86:ARG:HD3	9	0.14
(1,898)	1:B:82:LEU:HD22	1:B:86:ARG:HD3	9	0.14
(1,898)	1:B:82:LEU:HD23	1:B:86:ARG:HD3	9	0.14
(1,898)	1:B:82:LEU:HD21	1:B:86:ARG:HD2	9	0.14
(1,898)	1:B:82:LEU:HD22	1:B:86:ARG:HD2	9	0.14
(1,898)	1:B:82:LEU:HD23	1:B:86:ARG:HD2	9	0.14
(1,888)	1:B:75:LEU:HD21	1:B:75:LEU:HA	13	0.14
(1,888)	1:B:75:LEU:HD22	1:B:75:LEU:HA	13	0.14
(1,888)	1:B:75:LEU:HD23	1:B:75:LEU:HA	13	0.14
(1,888)	1:B:75:LEU:HD21	1:B:75:LEU:HA	15	0.14
(1,888)	1:B:75:LEU:HD22	1:B:75:LEU:HA	15	0.14
(1,888)	1:B:75:LEU:HD23	1:B:75:LEU:HA	15	0.14
(1,885)	1:B:40:LEU:HD21	1:B:9:TRP:HZ3	10	0.14
(1,885)	1:B:40:LEU:HD22	1:B:9:TRP:HZ3	10	0.14
(1,885)	1:B:40:LEU:HD23	1:B:9:TRP:HZ3	10	0.14
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	5	0.14
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	5	0.14
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	5	0.14
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	5	0.14
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	5	0.14
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	5	0.14
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	5	0.14
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	5	0.14
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	5	0.14
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	5	0.14
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	5	0.14
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD1	18	0.14
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HD2	18	0.14
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD1	18	0.14
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HD2	18	0.14
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD1	18	0.14
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HD2	18	0.14
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE1	18	0.14
(1,879)	1:B:59:LEU:HD21	1:B:21:TYR:HE2	18	0.14
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE1	18	0.14
(1,879)	1:B:59:LEU:HD22	1:B:21:TYR:HE2	18	0.14
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE1	18	0.14
(1,879)	1:B:59:LEU:HD23	1:B:21:TYR:HE2	18	0.14
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG21	7	0.14
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG22	7	0.14
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG23	7	0.14
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG11	7	0.14
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG12	7	0.14
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG13	7	0.14
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	7	0.14
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	13	0.14
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	13	0.14
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	13	0.14
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	17	0.14
(1,633)	1:B:100:HIS:H	1:B:96:ASP:HB2	9	0.14
(1,537)	1:B:85:GLN:HE21	1:B:85:GLN:HB2	4	0.14
(1,537)	1:B:85:GLN:HE21	1:B:85:GLN:HG3	4	0.14
(1,537)	1:B:85:GLN:HE21	1:B:85:GLN:HB2	18	0.14
(1,537)	1:B:85:GLN:HE21	1:B:85:GLN:HG3	18	0.14
(1,491)	1:B:77:THR:H	1:B:80:GLN:HB3	15	0.14
(1,461)	1:B:73:ILE:H	1:B:73:ILE:HG13	9	0.14
(1,451)	1:B:68:ARG:H	1:B:70:GLY:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,444)	1:B:67:GLN:HE21	1:B:33:VAL:HG11	9	0.14
(1,444)	1:B:67:GLN:HE21	1:B:33:VAL:HG12	9	0.14
(1,444)	1:B:67:GLN:HE21	1:B:33:VAL:HG13	9	0.14
(1,400)	1:B:63:VAL:H	1:B:63:VAL:HB	16	0.14
(1,3)	1:B:102:MET:H	1:B:102:MET:HG3	16	0.14
(1,2759)	1:B:88:PHE:HZ	1:B:89:GLU:HG3	4	0.14
(1,2729)	1:B:117:LYS:HD2	1:B:117:LYS:HA	19	0.14
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	15	0.14
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG3	5	0.14
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG2	5	0.14
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG3	7	0.14
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG2	7	0.14
(1,2687)	1:B:6:ALA:HB1	1:B:49:GLN:HE22	1	0.14
(1,2687)	1:B:6:ALA:HB2	1:B:49:GLN:HE22	1	0.14
(1,2687)	1:B:6:ALA:HB3	1:B:49:GLN:HE22	1	0.14
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	17	0.14
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	17	0.14
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	17	0.14
(1,252)	1:B:40:LEU:H	1:B:40:LEU:HB3	13	0.14
(1,25)	1:B:8:THR:H	1:B:8:THR:HG21	13	0.14
(1,25)	1:B:8:THR:H	1:B:8:THR:HG22	13	0.14
(1,25)	1:B:8:THR:H	1:B:8:THR:HG23	13	0.14
(1,25)	1:B:8:THR:H	1:B:8:THR:HG21	18	0.14
(1,25)	1:B:8:THR:H	1:B:8:THR:HG22	18	0.14
(1,25)	1:B:8:THR:H	1:B:8:THR:HG23	18	0.14
(1,2497)	1:B:24:ASN:HA	1:B:27:VAL:HB	17	0.14
(1,248)	1:B:40:LEU:H	1:B:37:LEU:HA	18	0.14
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD11	17	0.14
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD12	17	0.14
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD13	17	0.14
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD11	19	0.14
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD12	19	0.14
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD13	19	0.14
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD11	2	0.14
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD12	2	0.14
(1,2423)	1:B:32:VAL:HG11	1:B:54:LEU:HD13	2	0.14
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD11	2	0.14
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD12	2	0.14
(1,2423)	1:B:32:VAL:HG12	1:B:54:LEU:HD13	2	0.14
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD11	2	0.14
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD12	2	0.14
(1,2423)	1:B:32:VAL:HG13	1:B:54:LEU:HD13	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HB	7	0.14
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HG13	7	0.14
(1,2338)	1:B:40:LEU:HD11	1:B:9:TRP:HZ3	18	0.14
(1,2338)	1:B:40:LEU:HD12	1:B:9:TRP:HZ3	18	0.14
(1,2338)	1:B:40:LEU:HD13	1:B:9:TRP:HZ3	18	0.14
(1,2338)	1:B:40:LEU:HD11	1:B:9:TRP:HZ3	19	0.14
(1,2338)	1:B:40:LEU:HD12	1:B:9:TRP:HZ3	19	0.14
(1,2338)	1:B:40:LEU:HD13	1:B:9:TRP:HZ3	19	0.14
(1,2336)	1:B:40:LEU:HD11	1:B:40:LEU:HA	16	0.14
(1,2336)	1:B:40:LEU:HD12	1:B:40:LEU:HA	16	0.14
(1,2336)	1:B:40:LEU:HD13	1:B:40:LEU:HA	16	0.14
(1,2320)	1:B:60:ALA:HB1	1:B:65:ASP:H	12	0.14
(1,2320)	1:B:60:ALA:HB2	1:B:65:ASP:H	12	0.14
(1,2320)	1:B:60:ALA:HB3	1:B:65:ASP:H	12	0.14
(1,2252)	1:B:44:PRO:HA	1:B:45:ARG:HG3	8	0.14
(1,2120)	1:B:52:HIS:HE1	1:B:56:GLN:HG3	13	0.14
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	14	0.14
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	14	0.14
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	14	0.14
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	19	0.14
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	19	0.14
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	19	0.14
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HG13	10	0.14
(1,207)	1:B:35:ALA:H	1:B:36:ILE:HB	10	0.14
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	5	0.14
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	16	0.14
(1,1973)	1:B:42:THR:HG21	1:B:45:ARG:HD3	11	0.14
(1,1973)	1:B:42:THR:HG22	1:B:45:ARG:HD3	11	0.14
(1,1973)	1:B:42:THR:HG23	1:B:45:ARG:HD3	11	0.14
(1,1943)	1:B:62:SER:HB3	1:B:63:VAL:H	9	0.14
(1,1940)	1:B:63:VAL:HG21	1:B:64:LYS:H	9	0.14
(1,1940)	1:B:63:VAL:HG22	1:B:64:LYS:H	9	0.14
(1,1940)	1:B:63:VAL:HG23	1:B:64:LYS:H	9	0.14
(1,1841)	1:B:73:ILE:HG21	1:B:72:HIS:HD2	15	0.14
(1,1841)	1:B:73:ILE:HG22	1:B:72:HIS:HD2	15	0.14
(1,1841)	1:B:73:ILE:HG23	1:B:72:HIS:HD2	15	0.14
(1,175)	1:B:30:GLN:HE22	1:B:30:GLN:HG2	4	0.14
(1,1633)	1:B:90:GLU:HG3	1:B:86:ARG:HA	9	0.14
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	4	0.14
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	4	0.14
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	4	0.14
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	9	0.14
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	9	0.14
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	9	0.14
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	17	0.14
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	17	0.14
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	17	0.14
(1,1528)	1:B:97:VAL:HG21	1:B:88:PHE:HE1	14	0.14
(1,1528)	1:B:97:VAL:HG21	1:B:88:PHE:HE2	14	0.14
(1,1528)	1:B:97:VAL:HG22	1:B:88:PHE:HE1	14	0.14
(1,1528)	1:B:97:VAL:HG22	1:B:88:PHE:HE2	14	0.14
(1,1528)	1:B:97:VAL:HG23	1:B:88:PHE:HE1	14	0.14
(1,1528)	1:B:97:VAL:HG23	1:B:88:PHE:HE2	14	0.14
(1,1482)	1:B:100:HIS:HD2	1:B:97:VAL:HA	4	0.14
(1,1451)	1:B:102:MET:HE1	1:B:111:ARG:HG3	16	0.14
(1,1451)	1:B:102:MET:HE2	1:B:111:ARG:HG3	16	0.14
(1,1451)	1:B:102:MET:HE3	1:B:111:ARG:HG3	16	0.14
(1,1441)	1:B:102:MET:HE1	1:B:99:GLY:H	13	0.14
(1,1441)	1:B:102:MET:HE2	1:B:99:GLY:H	13	0.14
(1,1441)	1:B:102:MET:HE3	1:B:99:GLY:H	13	0.14
(1,1422)	1:B:105:ILE:HG21	1:B:109:ARG:HD3	18	0.14
(1,1422)	1:B:105:ILE:HG22	1:B:109:ARG:HD3	18	0.14
(1,1422)	1:B:105:ILE:HG23	1:B:109:ARG:HD3	18	0.14
(1,1352)	1:B:108:LYS:HA	1:B:108:LYS:HE3	7	0.14
(1,1352)	1:B:108:LYS:HA	1:B:108:LYS:HE2	7	0.14
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	10	0.14
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	10	0.14
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	10	0.14
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	10	0.14
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	10	0.14
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	10	0.14
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	1	0.14
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	1	0.14
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	1	0.14
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	7	0.14
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	7	0.14
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	7	0.14
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	8	0.14
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	8	0.14
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	8	0.14
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	14	0.14
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	14	0.14
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1239)	1:B:63:VAL:HB	1:B:66:PHE:HD1	10	0.14
(1,1239)	1:B:63:VAL:HB	1:B:66:PHE:HD2	10	0.14
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	2	0.14
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	2	0.14
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	2	0.14
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	2	0.14
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	2	0.14
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	2	0.14
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	2	0.14
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	2	0.14
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	2	0.14
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	5	0.14
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	5	0.14
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	5	0.14
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	5	0.14
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	5	0.14
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	5	0.14
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	5	0.14
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	5	0.14
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	5	0.14
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB2	19	0.14
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB2	19	0.14
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB2	19	0.14
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB3	19	0.14
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB3	19	0.14
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB3	19	0.14
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	14	0.14
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	14	0.14
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	14	0.14
(1,1076)	1:B:124:VAL:HG11	1:B:115:VAL:HA	2	0.14
(1,1076)	1:B:124:VAL:HG12	1:B:115:VAL:HA	2	0.14
(1,1076)	1:B:124:VAL:HG13	1:B:115:VAL:HA	2	0.14
(1,1076)	1:B:124:VAL:HG11	1:B:115:VAL:HA	9	0.14
(1,1076)	1:B:124:VAL:HG12	1:B:115:VAL:HA	9	0.14
(1,1076)	1:B:124:VAL:HG13	1:B:115:VAL:HA	9	0.14
(1,1055)	1:B:124:VAL:HG21	1:B:125:ALA:H	6	0.14
(1,1055)	1:B:124:VAL:HG22	1:B:125:ALA:H	6	0.14
(1,1055)	1:B:124:VAL:HG23	1:B:125:ALA:H	6	0.14
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD2	16	0.13
(3,988)	1:B:45:ARG:HB2	1:B:47:ARG:HD3	16	0.13
(3,988)	1:B:45:ARG:HB2	1:B:52:HIS:HB2	16	0.13
(3,988)	1:B:45:ARG:HB3	1:B:52:HIS:HB2	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,988)	1:B:45:ARG:HB3	1:B:47:ARG:HD3	16	0.13
(3,960)	1:B:92:ARG:HD2	1:B:123:LEU:HD11	5	0.13
(3,960)	1:B:92:ARG:HD2	1:B:123:LEU:HD12	5	0.13
(3,960)	1:B:92:ARG:HD2	1:B:123:LEU:HD13	5	0.13
(3,960)	1:B:92:ARG:HD2	1:B:118:LEU:HD21	5	0.13
(3,960)	1:B:92:ARG:HD2	1:B:118:LEU:HD22	5	0.13
(3,960)	1:B:92:ARG:HD2	1:B:118:LEU:HD23	5	0.13
(3,906)	1:B:37:LEU:HD11	1:B:47:ARG:HD3	14	0.13
(3,906)	1:B:37:LEU:HD12	1:B:47:ARG:HD3	14	0.13
(3,906)	1:B:37:LEU:HD13	1:B:47:ARG:HD3	14	0.13
(3,906)	1:B:37:LEU:HD11	1:B:47:ARG:HD2	14	0.13
(3,906)	1:B:37:LEU:HD12	1:B:47:ARG:HD2	14	0.13
(3,906)	1:B:37:LEU:HD13	1:B:47:ARG:HD2	14	0.13
(3,906)	1:B:98:LEU:HD21	1:B:111:ARG:HD2	14	0.13
(3,906)	1:B:98:LEU:HD22	1:B:111:ARG:HD2	14	0.13
(3,906)	1:B:98:LEU:HD23	1:B:111:ARG:HD2	14	0.13
(3,906)	1:B:98:LEU:HD21	1:B:111:ARG:HD3	14	0.13
(3,906)	1:B:98:LEU:HD22	1:B:111:ARG:HD3	14	0.13
(3,906)	1:B:98:LEU:HD23	1:B:111:ARG:HD3	14	0.13
(3,896)	1:B:98:LEU:HD21	1:B:114:ILE:HB	20	0.13
(3,896)	1:B:98:LEU:HD22	1:B:114:ILE:HB	20	0.13
(3,896)	1:B:98:LEU:HD23	1:B:114:ILE:HB	20	0.13
(3,896)	1:B:98:LEU:HD21	1:B:102:MET:HE1	20	0.13
(3,896)	1:B:98:LEU:HD21	1:B:102:MET:HE2	20	0.13
(3,896)	1:B:98:LEU:HD21	1:B:102:MET:HE3	20	0.13
(3,896)	1:B:98:LEU:HD22	1:B:102:MET:HE1	20	0.13
(3,896)	1:B:98:LEU:HD22	1:B:102:MET:HE2	20	0.13
(3,896)	1:B:98:LEU:HD22	1:B:102:MET:HE3	20	0.13
(3,896)	1:B:98:LEU:HD23	1:B:102:MET:HE1	20	0.13
(3,896)	1:B:98:LEU:HD23	1:B:102:MET:HE2	20	0.13
(3,896)	1:B:98:LEU:HD23	1:B:102:MET:HE3	20	0.13
(3,896)	1:B:37:LEU:HD11	1:B:34:GLU:HG3	20	0.13
(3,896)	1:B:37:LEU:HD12	1:B:34:GLU:HG3	20	0.13
(3,896)	1:B:37:LEU:HD13	1:B:34:GLU:HG3	20	0.13
(3,896)	1:B:37:LEU:HD11	1:B:50:ILE:HB	20	0.13
(3,896)	1:B:37:LEU:HD12	1:B:50:ILE:HB	20	0.13
(3,896)	1:B:37:LEU:HD13	1:B:50:ILE:HB	20	0.13
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD11	15	0.13
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD12	15	0.13
(3,842)	1:B:102:MET:HE1	1:B:114:ILE:HD13	15	0.13
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD11	15	0.13
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD12	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,842)	1:B:102:MET:HE2	1:B:114:ILE:HD13	15	0.13
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD11	15	0.13
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD12	15	0.13
(3,842)	1:B:102:MET:HE3	1:B:114:ILE:HD13	15	0.13
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG21	15	0.13
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG22	15	0.13
(3,842)	1:B:102:MET:HE1	1:B:101:ILE:HG23	15	0.13
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG21	15	0.13
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG22	15	0.13
(3,842)	1:B:102:MET:HE2	1:B:101:ILE:HG23	15	0.13
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG21	15	0.13
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG22	15	0.13
(3,842)	1:B:102:MET:HE3	1:B:101:ILE:HG23	15	0.13
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	18	0.13
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	18	0.13
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	18	0.13
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	18	0.13
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	18	0.13
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	18	0.13
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD11	5	0.13
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD12	5	0.13
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD13	5	0.13
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD11	5	0.13
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD12	5	0.13
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD13	5	0.13
(3,761)	1:B:110:SER:HA	1:B:102:MET:HE1	3	0.13
(3,761)	1:B:110:SER:HA	1:B:102:MET:HE2	3	0.13
(3,761)	1:B:110:SER:HA	1:B:102:MET:HE3	3	0.13
(3,761)	1:B:110:SER:HA	1:B:113:ARG:HB2	3	0.13
(3,719)	1:B:27:VAL:HG11	1:B:30:GLN:HE22	2	0.13
(3,719)	1:B:27:VAL:HG12	1:B:30:GLN:HE22	2	0.13
(3,719)	1:B:27:VAL:HG13	1:B:30:GLN:HE22	2	0.13
(3,719)	1:B:115:VAL:HG21	1:B:130:LEU:H	2	0.13
(3,719)	1:B:115:VAL:HG22	1:B:130:LEU:H	2	0.13
(3,719)	1:B:115:VAL:HG23	1:B:130:LEU:H	2	0.13
(3,713)	1:B:22:LEU:HD21	1:B:22:LEU:H	13	0.13
(3,713)	1:B:22:LEU:HD22	1:B:22:LEU:H	13	0.13
(3,713)	1:B:22:LEU:HD23	1:B:22:LEU:H	13	0.13
(3,713)	1:B:33:VAL:HG21	1:B:37:LEU:H	13	0.13
(3,713)	1:B:33:VAL:HG22	1:B:37:LEU:H	13	0.13
(3,713)	1:B:33:VAL:HG23	1:B:37:LEU:H	13	0.13
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG11	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG12	17	0.13
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG13	17	0.13
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG11	17	0.13
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG12	17	0.13
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG13	17	0.13
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG11	17	0.13
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG12	17	0.13
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG13	17	0.13
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD11	17	0.13
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD12	17	0.13
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD13	17	0.13
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD11	17	0.13
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD12	17	0.13
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD13	17	0.13
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD11	17	0.13
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD12	17	0.13
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD13	17	0.13
(3,679)	1:B:97:VAL:HB	1:B:88:PHE:HB2	12	0.13
(3,679)	1:B:63:VAL:HB	1:B:51:ILE:HA	12	0.13
(3,679)	1:B:63:VAL:HB	1:B:64:LYS:HE3	12	0.13
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG21	8	0.13
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG22	8	0.13
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG23	8	0.13
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD11	8	0.13
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD12	8	0.13
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD13	8	0.13
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	1	0.13
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	1	0.13
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	1	0.13
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	1	0.13
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	1	0.13
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	1	0.13
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	1	0.13
(3,585)	1:B:121:LEU:HD11	1:B:87:LEU:H	8	0.13
(3,585)	1:B:121:LEU:HD12	1:B:87:LEU:H	8	0.13
(3,585)	1:B:121:LEU:HD13	1:B:87:LEU:H	8	0.13
(3,585)	1:B:121:LEU:HD11	1:B:81:GLU:H	8	0.13
(3,585)	1:B:121:LEU:HD12	1:B:81:GLU:H	8	0.13
(3,585)	1:B:121:LEU:HD13	1:B:81:GLU:H	8	0.13
(3,585)	1:B:121:LEU:HD11	1:B:128:ARG:H	8	0.13
(3,585)	1:B:121:LEU:HD12	1:B:128:ARG:H	8	0.13
(3,585)	1:B:121:LEU:HD13	1:B:128:ARG:H	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,530)	1:B:126:GLU:HG2	1:B:130:LEU:HD21	14	0.13
(3,530)	1:B:126:GLU:HG2	1:B:130:LEU:HD22	14	0.13
(3,530)	1:B:126:GLU:HG2	1:B:130:LEU:HD23	14	0.13
(3,530)	1:B:28:GLU:HG2	1:B:27:VAL:HG21	14	0.13
(3,530)	1:B:28:GLU:HG2	1:B:27:VAL:HG22	14	0.13
(3,530)	1:B:28:GLU:HG2	1:B:27:VAL:HG23	14	0.13
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	2	0.13
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	2	0.13
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	13	0.13
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	13	0.13
(3,485)	1:B:131:TYR:HE1	1:B:130:LEU:HB2	7	0.13
(3,485)	1:B:131:TYR:HE2	1:B:130:LEU:HB2	7	0.13
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB1	7	0.13
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB2	7	0.13
(3,485)	1:B:131:TYR:HE1	1:B:112:ALA:HB3	7	0.13
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB1	7	0.13
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB2	7	0.13
(3,485)	1:B:131:TYR:HE2	1:B:112:ALA:HB3	7	0.13
(3,470)	1:B:64:LYS:HE3	1:B:70:GLY:H	10	0.13
(3,470)	1:B:64:LYS:HE2	1:B:70:GLY:H	10	0.13
(3,470)	1:B:25:LYS:HE3	1:B:26:ASP:H	10	0.13
(3,421)	1:B:136:LYS:HB2	1:B:137:LYS:H	16	0.13
(3,421)	1:B:136:LYS:HB3	1:B:136:LYS:H	16	0.13
(3,421)	1:B:137:LYS:HB2	1:B:137:LYS:H	16	0.13
(3,421)	1:B:136:LYS:HB2	1:B:136:LYS:H	16	0.13
(3,421)	1:B:136:LYS:HB3	1:B:137:LYS:H	16	0.13
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD21	2	0.13
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD22	2	0.13
(3,396)	1:B:25:LYS:HE3	1:B:22:LEU:HD23	2	0.13
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD21	2	0.13
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD22	2	0.13
(3,396)	1:B:136:LYS:HE3	1:B:138:LEU:HD23	2	0.13
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD21	2	0.13
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD22	2	0.13
(3,396)	1:B:136:LYS:HE2	1:B:138:LEU:HD23	2	0.13
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG11	2	0.13
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG12	2	0.13
(3,396)	1:B:64:LYS:HE2	1:B:63:VAL:HG13	2	0.13
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD21	2	0.13
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD22	2	0.13
(3,396)	1:B:25:LYS:HE2	1:B:22:LEU:HD23	2	0.13
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG11	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG12	2	0.13
(3,396)	1:B:64:LYS:HE3	1:B:63:VAL:HG13	2	0.13
(3,239)	1:B:110:SER:H	1:B:114:ILE:HG13	19	0.13
(3,239)	1:B:110:SER:H	1:B:111:ARG:HB3	19	0.13
(3,1829)	1:B:10:SER:HB2	1:B:10:SER:HB3	7	0.13
(3,1829)	1:B:10:SER:HB2	1:B:11:PRO:HD2	7	0.13
(3,1829)	1:B:10:SER:HB2	1:B:10:SER:HB3	15	0.13
(3,1829)	1:B:10:SER:HB2	1:B:11:PRO:HD2	15	0.13
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG11	12	0.13
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG12	12	0.13
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG13	12	0.13
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD11	12	0.13
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD12	12	0.13
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD13	12	0.13
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG21	12	0.13
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG22	12	0.13
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG23	12	0.13
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	7	0.13
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	7	0.13
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	7	0.13
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	7	0.13
(3,1771)	1:B:17:LEU:HD21	1:B:53:HIS:HB2	6	0.13
(3,1771)	1:B:17:LEU:HD22	1:B:53:HIS:HB2	6	0.13
(3,1771)	1:B:17:LEU:HD23	1:B:53:HIS:HB2	6	0.13
(3,1771)	1:B:17:LEU:HD21	1:B:17:LEU:HB3	6	0.13
(3,1771)	1:B:17:LEU:HD22	1:B:17:LEU:HB3	6	0.13
(3,1771)	1:B:17:LEU:HD23	1:B:17:LEU:HB3	6	0.13
(3,1770)	1:B:17:LEU:HD21	1:B:14:GLU:HB2	16	0.13
(3,1770)	1:B:17:LEU:HD22	1:B:14:GLU:HB2	16	0.13
(3,1770)	1:B:17:LEU:HD23	1:B:14:GLU:HB2	16	0.13
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG3	16	0.13
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG3	16	0.13
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG3	16	0.13
(3,1770)	1:B:17:LEU:HD21	1:B:13:GLU:HG2	16	0.13
(3,1770)	1:B:17:LEU:HD22	1:B:13:GLU:HG2	16	0.13
(3,1770)	1:B:17:LEU:HD23	1:B:13:GLU:HG2	16	0.13
(3,1770)	1:B:17:LEU:HD21	1:B:33:VAL:HB	16	0.13
(3,1770)	1:B:17:LEU:HD22	1:B:33:VAL:HB	16	0.13
(3,1770)	1:B:17:LEU:HD23	1:B:33:VAL:HB	16	0.13
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG3	19	0.13
(3,1683)	1:B:86:ARG:HB3	1:B:90:GLU:HB3	19	0.13
(3,1683)	1:B:135:GLN:HB2	1:B:136:LYS:HG2	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1683)	1:B:86:ARG:HB2	1:B:90:GLU:HB3	19	0.13
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD11	4	0.13
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD12	4	0.13
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD13	4	0.13
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG21	4	0.13
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG22	4	0.13
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG23	4	0.13
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG21	4	0.13
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG22	4	0.13
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG23	4	0.13
(3,1605)	1:B:37:LEU:HA	1:B:39:HIS:HB3	16	0.13
(3,1605)	1:B:37:LEU:HA	1:B:45:ARG:HD3	16	0.13
(3,1605)	1:B:37:LEU:HA	1:B:53:HIS:HB3	16	0.13
(3,1603)	1:B:37:LEU:HA	1:B:50:ILE:HG12	11	0.13
(3,1603)	1:B:37:LEU:HA	1:B:37:LEU:HB2	11	0.13
(3,1603)	1:B:37:LEU:HA	1:B:50:ILE:HG13	11	0.13
(3,1499)	1:B:48:LYS:HA	1:B:48:LYS:HG3	8	0.13
(3,1499)	1:B:48:LYS:HA	1:B:51:ILE:HG12	8	0.13
(3,1423)	1:B:52:HIS:HE1	1:B:63:VAL:HB	14	0.13
(3,1423)	1:B:52:HIS:HE1	1:B:56:GLN:HG2	14	0.13
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	8	0.13
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	8	0.13
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	8	0.13
(3,1411)	1:B:53:HIS:HA	1:B:9:TRP:HZ2	13	0.13
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD1	13	0.13
(3,1411)	1:B:19:GLU:HA	1:B:21:TYR:HD2	13	0.13
(3,1392)	1:B:54:LEU:HD11	1:B:57:MET:H	7	0.13
(3,1392)	1:B:54:LEU:HD12	1:B:57:MET:H	7	0.13
(3,1392)	1:B:54:LEU:HD13	1:B:57:MET:H	7	0.13
(3,1392)	1:B:54:LEU:HD11	1:B:62:SER:H	7	0.13
(3,1392)	1:B:54:LEU:HD12	1:B:62:SER:H	7	0.13
(3,1392)	1:B:54:LEU:HD13	1:B:62:SER:H	7	0.13
(3,1392)	1:B:54:LEU:HD11	1:B:57:MET:H	12	0.13
(3,1392)	1:B:54:LEU:HD12	1:B:57:MET:H	12	0.13
(3,1392)	1:B:54:LEU:HD13	1:B:57:MET:H	12	0.13
(3,1392)	1:B:54:LEU:HD11	1:B:62:SER:H	12	0.13
(3,1392)	1:B:54:LEU:HD12	1:B:62:SER:H	12	0.13
(3,1392)	1:B:54:LEU:HD13	1:B:62:SER:H	12	0.13
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	5	0.13
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	5	0.13
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	5	0.13
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	5	0.13
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	5	0.13
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	5	0.13
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	5	0.13
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	5	0.13
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	8	0.13
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	8	0.13
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	8	0.13
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	8	0.13
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	8	0.13
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	8	0.13
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	8	0.13
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	8	0.13
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	8	0.13
(3,1384)	1:B:54:LEU:HD21	1:B:59:LEU:HB2	9	0.13
(3,1384)	1:B:54:LEU:HD22	1:B:59:LEU:HB2	9	0.13
(3,1384)	1:B:54:LEU:HD23	1:B:59:LEU:HB2	9	0.13
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB1	9	0.13
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB2	9	0.13
(3,1384)	1:B:54:LEU:HD21	1:B:60:ALA:HB3	9	0.13
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB1	9	0.13
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB2	9	0.13
(3,1384)	1:B:54:LEU:HD22	1:B:60:ALA:HB3	9	0.13
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB1	9	0.13
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB2	9	0.13
(3,1384)	1:B:54:LEU:HD23	1:B:60:ALA:HB3	9	0.13
(3,1361)	1:B:55:VAL:HG11	1:B:52:HIS:HB2	2	0.13
(3,1361)	1:B:55:VAL:HG12	1:B:52:HIS:HB2	2	0.13
(3,1361)	1:B:55:VAL:HG13	1:B:52:HIS:HB2	2	0.13
(3,1361)	1:B:74:VAL:HG11	1:B:127:ARG:HD3	2	0.13
(3,1361)	1:B:74:VAL:HG12	1:B:127:ARG:HD3	2	0.13
(3,1361)	1:B:74:VAL:HG13	1:B:127:ARG:HD3	2	0.13
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	7	0.13
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	7	0.13
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	7	0.13
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	7	0.13
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	7	0.13
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	7	0.13
(3,1288)	1:B:31:ASP:HB2	1:B:37:LEU:HG	13	0.13
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD3	13	0.13
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD2	13	0.13
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD3	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD2	13	0.13
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	14	0.13
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	14	0.13
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	14	0.13
(3,1247)	1:B:89:GLU:HB3	1:B:90:GLU:HB3	6	0.13
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG3	6	0.13
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG2	6	0.13
(3,1239)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	16	0.13
(3,1239)	1:B:122:GLY:HA2	1:B:118:LEU:HG	16	0.13
(3,1239)	1:B:122:GLY:HA2	1:B:124:VAL:HB	16	0.13
(3,1231)	1:B:71:THR:HA	1:B:121:LEU:HA	7	0.13
(3,1231)	1:B:71:THR:HA	1:B:71:THR:HB	7	0.13
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	13	0.13
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	13	0.13
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	13	0.13
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	13	0.13
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	13	0.13
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	13	0.13
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	14	0.13
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	14	0.13
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	14	0.13
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	14	0.13
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	14	0.13
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	14	0.13
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	17	0.13
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	17	0.13
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	17	0.13
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	17	0.13
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	17	0.13
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	17	0.13
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	19	0.13
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	19	0.13
(2,33)	1:B:74:VAL:HG21	1:B:114:ILE:HG12	13	0.13
(2,33)	1:B:74:VAL:HG22	1:B:114:ILE:HG12	13	0.13
(2,33)	1:B:74:VAL:HG23	1:B:114:ILE:HG12	13	0.13
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	8	0.13
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	15	0.13
(2,15)	1:B:111:ARG:HE	1:B:101:ILE:HB	3	0.13
(2,15)	1:B:111:ARG:HE	1:B:101:ILE:HB	4	0.13
(2,15)	1:B:111:ARG:HE	1:B:101:ILE:HB	14	0.13
(2,11)	1:B:110:SER:H	1:B:74:VAL:HB	4	0.13
(2,10)	1:B:104:ASN:H	1:B:100:HIS:H	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:B:129:GLU:HB3	1:B:124:VAL:HG21	3	0.13
(1,993)	1:B:129:GLU:HB3	1:B:124:VAL:HG22	3	0.13
(1,993)	1:B:129:GLU:HB3	1:B:124:VAL:HG23	3	0.13
(1,888)	1:B:75:LEU:HD21	1:B:75:LEU:HA	14	0.13
(1,888)	1:B:75:LEU:HD22	1:B:75:LEU:HA	14	0.13
(1,888)	1:B:75:LEU:HD23	1:B:75:LEU:HA	14	0.13
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HD1	2	0.13
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HD1	2	0.13
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HD1	2	0.13
(1,880)	1:B:75:LEU:HD21	1:B:76:TRP:HE3	2	0.13
(1,880)	1:B:75:LEU:HD22	1:B:76:TRP:HE3	2	0.13
(1,880)	1:B:75:LEU:HD23	1:B:76:TRP:HE3	2	0.13
(1,859)	1:B:63:VAL:HA	1:B:66:PHE:HD1	12	0.13
(1,859)	1:B:63:VAL:HA	1:B:66:PHE:HD2	12	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG21	2	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG22	2	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG23	2	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG11	2	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG12	2	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG13	2	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG21	4	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG22	4	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG23	4	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG11	4	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG12	4	0.13
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG13	4	0.13
(1,807)	1:B:135:GLN:HE21	1:B:135:GLN:HA	13	0.13
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG11	4	0.13
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG12	4	0.13
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG13	4	0.13
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	11	0.13
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	11	0.13
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	11	0.13
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	18	0.13
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	18	0.13
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	18	0.13
(1,608)	1:B:94:SER:H	1:B:91:PHE:HA	5	0.13
(1,594)	1:B:93:ASP:H	1:B:93:ASP:HB2	10	0.13
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	1	0.13
(1,451)	1:B:68:ARG:H	1:B:70:GLY:H	9	0.13
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	1	0.13
(1,317)	1:B:51:ILE:H	1:B:49:GLN:HG3	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2759)	1:B:88:PHE:HZ	1:B:89:GLU:HG3	8	0.13
(1,2759)	1:B:88:PHE:HZ	1:B:89:GLU:HG3	17	0.13
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	2	0.13
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	4	0.13
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	16	0.13
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	18	0.13
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG3	10	0.13
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG2	10	0.13
(1,2687)	1:B:6:ALA:HB1	1:B:49:GLN:HE22	14	0.13
(1,2687)	1:B:6:ALA:HB2	1:B:49:GLN:HE22	14	0.13
(1,2687)	1:B:6:ALA:HB3	1:B:49:GLN:HE22	14	0.13
(1,2651)	1:B:9:TRP:HZ2	1:B:49:GLN:HG2	16	0.13
(1,2638)	1:B:10:SER:HB3	1:B:11:PRO:HG3	1	0.13
(1,2638)	1:B:10:SER:HB3	1:B:11:PRO:HG3	7	0.13
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	15	0.13
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	15	0.13
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	15	0.13
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE1	9	0.13
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE2	9	0.13
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE3	9	0.13
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE1	9	0.13
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE2	9	0.13
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE3	9	0.13
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE1	9	0.13
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE2	9	0.13
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE3	9	0.13
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD11	5	0.13
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD12	5	0.13
(1,243)	1:B:39:HIS:H	1:B:37:LEU:HD13	5	0.13
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HB	8	0.13
(1,2416)	1:B:33:VAL:HA	1:B:36:ILE:HG13	8	0.13
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD11	18	0.13
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD12	18	0.13
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD13	18	0.13
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD11	18	0.13
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD12	18	0.13
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD13	18	0.13
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD11	18	0.13
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD12	18	0.13
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD13	18	0.13
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG3	12	0.13
(1,2324)	1:B:131:TYR:HB2	1:B:128:ARG:HG2	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:B:43:VAL:HG21	1:B:45:ARG:HB3	2	0.13
(1,2278)	1:B:43:VAL:HG22	1:B:45:ARG:HB3	2	0.13
(1,2278)	1:B:43:VAL:HG23	1:B:45:ARG:HB3	2	0.13
(1,2278)	1:B:43:VAL:HG21	1:B:45:ARG:HB2	2	0.13
(1,2278)	1:B:43:VAL:HG22	1:B:45:ARG:HB2	2	0.13
(1,2278)	1:B:43:VAL:HG23	1:B:45:ARG:HB2	2	0.13
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG21	4	0.13
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG22	4	0.13
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG23	4	0.13
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG11	4	0.13
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG12	4	0.13
(1,2258)	1:B:44:PRO:HB2	1:B:43:VAL:HG13	4	0.13
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	6	0.13
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	6	0.13
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	6	0.13
(1,2197)	1:B:49:GLN:HG2	1:B:45:ARG:HG3	9	0.13
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG11	1	0.13
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG12	1	0.13
(1,2169)	1:B:127:ARG:HG3	1:B:124:VAL:HG13	1	0.13
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	7	0.13
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	7	0.13
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	7	0.13
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	18	0.13
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	18	0.13
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	18	0.13
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	3	0.13
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG21	10	0.13
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG22	10	0.13
(1,2047)	1:B:30:GLN:HG2	1:B:27:VAL:HG23	10	0.13
(1,1969)	1:B:42:THR:HG21	1:B:13:GLU:HG3	4	0.13
(1,1969)	1:B:42:THR:HG22	1:B:13:GLU:HG3	4	0.13
(1,1969)	1:B:42:THR:HG23	1:B:13:GLU:HG3	4	0.13
(1,1969)	1:B:42:THR:HG21	1:B:13:GLU:HG2	4	0.13
(1,1969)	1:B:42:THR:HG22	1:B:13:GLU:HG2	4	0.13
(1,1969)	1:B:42:THR:HG23	1:B:13:GLU:HG2	4	0.13
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD21	17	0.13
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD22	17	0.13
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD23	17	0.13
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD21	17	0.13
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD22	17	0.13
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD23	17	0.13
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD21	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD22	17	0.13
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD23	17	0.13
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD11	17	0.13
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD12	17	0.13
(1,1967)	1:B:42:THR:HG21	1:B:40:LEU:HD13	17	0.13
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD11	17	0.13
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD12	17	0.13
(1,1967)	1:B:42:THR:HG22	1:B:40:LEU:HD13	17	0.13
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD11	17	0.13
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD12	17	0.13
(1,1967)	1:B:42:THR:HG23	1:B:40:LEU:HD13	17	0.13
(1,1957)	1:B:61:ASP:HA	1:B:62:SER:HB3	17	0.13
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG21	3	0.13
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG22	3	0.13
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG23	3	0.13
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG21	13	0.13
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG22	13	0.13
(1,1951)	1:B:62:SER:HB3	1:B:51:ILE:HG23	13	0.13
(1,1938)	1:B:63:VAL:HG21	1:B:67:GLN:H	2	0.13
(1,1938)	1:B:63:VAL:HG22	1:B:67:GLN:H	2	0.13
(1,1938)	1:B:63:VAL:HG23	1:B:67:GLN:H	2	0.13
(1,1914)	1:B:64:LYS:HD2	1:B:64:LYS:HA	17	0.13
(1,1914)	1:B:64:LYS:HD3	1:B:64:LYS:HA	17	0.13
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	14	0.13
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	14	0.13
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	14	0.13
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD1	16	0.13
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD2	16	0.13
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD1	20	0.13
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD2	20	0.13
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB1	17	0.13
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB2	17	0.13
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB3	17	0.13
(1,1734)	1:B:85:GLN:HG3	1:B:88:PHE:HB3	12	0.13
(1,169)	1:B:30:GLN:HE21	1:B:30:GLN:HG2	11	0.13
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	8	0.13
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	8	0.13
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	8	0.13
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	8	0.13
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	13	0.13
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	13	0.13
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	13	0.13
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG11	16	0.13
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG12	16	0.13
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG13	16	0.13
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG21	16	0.13
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG22	16	0.13
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG23	16	0.13
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	12	0.13
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	12	0.13
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	12	0.13
(1,1531)	1:B:97:VAL:HG11	1:B:88:PHE:HE1	8	0.13
(1,1531)	1:B:97:VAL:HG11	1:B:88:PHE:HE2	8	0.13
(1,1531)	1:B:97:VAL:HG12	1:B:88:PHE:HE1	8	0.13
(1,1531)	1:B:97:VAL:HG12	1:B:88:PHE:HE2	8	0.13
(1,1531)	1:B:97:VAL:HG13	1:B:88:PHE:HE1	8	0.13
(1,1531)	1:B:97:VAL:HG13	1:B:88:PHE:HE2	8	0.13
(1,1531)	1:B:97:VAL:HG11	1:B:88:PHE:HE1	10	0.13
(1,1531)	1:B:97:VAL:HG11	1:B:88:PHE:HE2	10	0.13
(1,1531)	1:B:97:VAL:HG12	1:B:88:PHE:HE1	10	0.13
(1,1531)	1:B:97:VAL:HG12	1:B:88:PHE:HE2	10	0.13
(1,1531)	1:B:97:VAL:HG13	1:B:88:PHE:HE1	10	0.13
(1,1531)	1:B:97:VAL:HG13	1:B:88:PHE:HE2	10	0.13
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HB3	7	0.13
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HB3	7	0.13
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HB3	7	0.13
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD21	7	0.13
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD22	7	0.13
(1,1515)	1:B:97:VAL:HG11	1:B:123:LEU:HD23	7	0.13
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD21	7	0.13
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD22	7	0.13
(1,1515)	1:B:97:VAL:HG12	1:B:123:LEU:HD23	7	0.13
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD21	7	0.13
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD22	7	0.13
(1,1515)	1:B:97:VAL:HG13	1:B:123:LEU:HD23	7	0.13
(1,1447)	1:B:102:MET:HE1	1:B:108:LYS:HE3	12	0.13
(1,1447)	1:B:102:MET:HE2	1:B:108:LYS:HE3	12	0.13
(1,1447)	1:B:102:MET:HE3	1:B:108:LYS:HE3	12	0.13
(1,1443)	1:B:102:MET:HE1	1:B:103:LYS:H	2	0.13
(1,1443)	1:B:102:MET:HE2	1:B:103:LYS:H	2	0.13
(1,1443)	1:B:102:MET:HE3	1:B:103:LYS:H	2	0.13
(1,1375)	1:B:107:ALA:HB1	1:B:80:GLN:HE21	18	0.13
(1,1375)	1:B:107:ALA:HB2	1:B:80:GLN:HE21	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:B:107:ALA:HB3	1:B:80:GLN:HE21	18	0.13
(1,1352)	1:B:108:LYS:HA	1:B:108:LYS:HE3	15	0.13
(1,1352)	1:B:108:LYS:HA	1:B:108:LYS:HE2	15	0.13
(1,1311)	1:B:110:SER:HA	1:B:102:MET:HG3	17	0.13
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG21	9	0.13
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG22	9	0.13
(1,1255)	1:B:47:ARG:HB2	1:B:51:ILE:HG23	9	0.13
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG21	9	0.13
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG22	9	0.13
(1,1255)	1:B:47:ARG:HB3	1:B:51:ILE:HG23	9	0.13
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	13	0.13
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	13	0.13
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	13	0.13
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	17	0.13
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	17	0.13
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	17	0.13
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	19	0.13
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	19	0.13
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	19	0.13
(1,1225)	1:B:63:VAL:HG11	1:B:51:ILE:HG21	16	0.13
(1,1225)	1:B:63:VAL:HG11	1:B:51:ILE:HG22	16	0.13
(1,1225)	1:B:63:VAL:HG11	1:B:51:ILE:HG23	16	0.13
(1,1225)	1:B:63:VAL:HG12	1:B:51:ILE:HG21	16	0.13
(1,1225)	1:B:63:VAL:HG12	1:B:51:ILE:HG22	16	0.13
(1,1225)	1:B:63:VAL:HG12	1:B:51:ILE:HG23	16	0.13
(1,1225)	1:B:63:VAL:HG13	1:B:51:ILE:HG21	16	0.13
(1,1225)	1:B:63:VAL:HG13	1:B:51:ILE:HG22	16	0.13
(1,1225)	1:B:63:VAL:HG13	1:B:51:ILE:HG23	16	0.13
(1,1224)	1:B:87:LEU:HD11	1:B:101:ILE:HA	15	0.13
(1,1224)	1:B:87:LEU:HD12	1:B:101:ILE:HA	15	0.13
(1,1224)	1:B:87:LEU:HD13	1:B:101:ILE:HA	15	0.13
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG11	13	0.13
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG12	13	0.13
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG13	13	0.13
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG21	13	0.13
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG22	13	0.13
(1,1203)	1:B:68:ARG:HA	1:B:63:VAL:HG23	13	0.13
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	4	0.13
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	4	0.13
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	4	0.13
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	4	0.13
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	4	0.13
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	4	0.13
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	4	0.13
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	4	0.13
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	9	0.13
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	9	0.13
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	9	0.13
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	9	0.13
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	9	0.13
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	9	0.13
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	9	0.13
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	9	0.13
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	9	0.13
(1,1077)	1:B:124:VAL:HG11	1:B:118:LEU:H	19	0.13
(1,1077)	1:B:124:VAL:HG12	1:B:118:LEU:H	19	0.13
(1,1077)	1:B:124:VAL:HG13	1:B:118:LEU:H	19	0.13
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB2	12	0.12
(3,999)	1:B:34:GLU:HG2	1:B:37:LEU:HB3	12	0.12
(3,999)	1:B:34:GLU:HG2	1:B:47:ARG:HB3	12	0.12
(3,999)	1:B:89:GLU:HG2	1:B:86:ARG:HG2	12	0.12
(3,935)	1:B:33:VAL:HG21	1:B:37:LEU:HB3	17	0.12
(3,935)	1:B:33:VAL:HG22	1:B:37:LEU:HB3	17	0.12
(3,935)	1:B:33:VAL:HG23	1:B:37:LEU:HB3	17	0.12
(3,935)	1:B:97:VAL:HG21	1:B:98:LEU:HB3	17	0.12
(3,935)	1:B:97:VAL:HG22	1:B:98:LEU:HB3	17	0.12
(3,935)	1:B:97:VAL:HG23	1:B:98:LEU:HB3	17	0.12
(3,935)	1:B:33:VAL:HG21	1:B:47:ARG:HB3	17	0.12
(3,935)	1:B:33:VAL:HG22	1:B:47:ARG:HB3	17	0.12
(3,935)	1:B:33:VAL:HG23	1:B:47:ARG:HB3	17	0.12
(3,935)	1:B:33:VAL:HG21	1:B:37:LEU:HB3	20	0.12
(3,935)	1:B:33:VAL:HG22	1:B:37:LEU:HB3	20	0.12
(3,935)	1:B:33:VAL:HG23	1:B:37:LEU:HB3	20	0.12
(3,935)	1:B:97:VAL:HG21	1:B:98:LEU:HB3	20	0.12
(3,935)	1:B:97:VAL:HG22	1:B:98:LEU:HB3	20	0.12
(3,935)	1:B:97:VAL:HG23	1:B:98:LEU:HB3	20	0.12
(3,935)	1:B:33:VAL:HG21	1:B:47:ARG:HB3	20	0.12
(3,935)	1:B:33:VAL:HG22	1:B:47:ARG:HB3	20	0.12
(3,935)	1:B:33:VAL:HG23	1:B:47:ARG:HB3	20	0.12
(3,920)	1:B:98:LEU:HG	1:B:100:HIS:H	8	0.12
(3,920)	1:B:98:LEU:HG	1:B:130:LEU:H	8	0.12
(3,903)	1:B:98:LEU:HD21	1:B:130:LEU:HA	18	0.12
(3,903)	1:B:98:LEU:HD22	1:B:130:LEU:HA	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,903)	1:B:98:LEU:HD23	1:B:130:LEU:HA	18	0.12
(3,903)	1:B:98:LEU:HD21	1:B:116:ASP:HA	18	0.12
(3,903)	1:B:98:LEU:HD22	1:B:116:ASP:HA	18	0.12
(3,903)	1:B:98:LEU:HD23	1:B:116:ASP:HA	18	0.12
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	8	0.12
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	8	0.12
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	8	0.12
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	8	0.12
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	8	0.12
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	8	0.12
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	16	0.12
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	16	0.12
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	16	0.12
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	16	0.12
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	16	0.12
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	16	0.12
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	16	0.12
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	16	0.12
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	16	0.12
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD11	10	0.12
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD12	10	0.12
(3,793)	1:B:109:ARG:HD3	1:B:105:ILE:HD13	10	0.12
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD11	10	0.12
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD12	10	0.12
(3,793)	1:B:109:ARG:HD3	1:B:84:LEU:HD13	10	0.12
(3,756)	1:B:113:ARG:HD3	1:B:110:SER:H	17	0.12
(3,756)	1:B:18:ARG:HD3	1:B:18:ARG:H	17	0.12
(3,756)	1:B:113:ARG:HD2	1:B:110:SER:H	17	0.12
(3,756)	1:B:113:ARG:HD3	1:B:75:LEU:H	17	0.12
(3,756)	1:B:113:ARG:HD3	1:B:74:VAL:H	17	0.12
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD21	6	0.12
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD22	6	0.12
(3,750)	1:B:114:ILE:HG21	1:B:118:LEU:HD23	6	0.12
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD21	6	0.12
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD22	6	0.12
(3,750)	1:B:114:ILE:HG22	1:B:118:LEU:HD23	6	0.12
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD21	6	0.12
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD22	6	0.12
(3,750)	1:B:114:ILE:HG23	1:B:118:LEU:HD23	6	0.12
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD11	6	0.12
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD12	6	0.12
(3,750)	1:B:114:ILE:HG21	1:B:123:LEU:HD13	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD11	6	0.12
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD12	6	0.12
(3,750)	1:B:114:ILE:HG22	1:B:123:LEU:HD13	6	0.12
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD11	6	0.12
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD12	6	0.12
(3,750)	1:B:114:ILE:HG23	1:B:123:LEU:HD13	6	0.12
(3,743)	1:B:114:ILE:HD11	1:B:76:TRP:HE3	8	0.12
(3,743)	1:B:114:ILE:HD12	1:B:76:TRP:HE3	8	0.12
(3,743)	1:B:114:ILE:HD13	1:B:76:TRP:HE3	8	0.12
(3,743)	1:B:114:ILE:HD11	1:B:104:ASN:H	8	0.12
(3,743)	1:B:114:ILE:HD12	1:B:104:ASN:H	8	0.12
(3,743)	1:B:114:ILE:HD13	1:B:104:ASN:H	8	0.12
(3,731)	1:B:114:ILE:HG13	1:B:109:ARG:HD3	11	0.12
(3,731)	1:B:128:ARG:HB3	1:B:129:GLU:HG2	11	0.12
(3,731)	1:B:128:ARG:HB2	1:B:129:GLU:HG2	11	0.12
(3,731)	1:B:128:ARG:HB3	1:B:129:GLU:HG3	11	0.12
(3,731)	1:B:128:ARG:HB2	1:B:129:GLU:HG3	11	0.12
(3,691)	1:B:33:VAL:HG21	1:B:51:ILE:HA	10	0.12
(3,691)	1:B:33:VAL:HG22	1:B:51:ILE:HA	10	0.12
(3,691)	1:B:33:VAL:HG23	1:B:51:ILE:HA	10	0.12
(3,691)	1:B:22:LEU:HD21	1:B:21:TYR:HB2	10	0.12
(3,691)	1:B:22:LEU:HD22	1:B:21:TYR:HB2	10	0.12
(3,691)	1:B:22:LEU:HD23	1:B:21:TYR:HB2	10	0.12
(3,691)	1:B:97:VAL:HG21	1:B:88:PHE:HB2	10	0.12
(3,691)	1:B:97:VAL:HG22	1:B:88:PHE:HB2	10	0.12
(3,691)	1:B:97:VAL:HG23	1:B:88:PHE:HB2	10	0.12
(3,691)	1:B:22:LEU:HD21	1:B:21:TYR:HB3	10	0.12
(3,691)	1:B:22:LEU:HD22	1:B:21:TYR:HB3	10	0.12
(3,691)	1:B:22:LEU:HD23	1:B:21:TYR:HB3	10	0.12
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG21	9	0.12
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG22	9	0.12
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG23	9	0.12
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD11	9	0.12
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD12	9	0.12
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD13	9	0.12
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG21	19	0.12
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG22	19	0.12
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG23	19	0.12
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD11	19	0.12
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD12	19	0.12
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD13	19	0.12
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG21	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG22	20	0.12
(3,678)	1:B:63:VAL:HB	1:B:51:ILE:HG23	20	0.12
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD11	20	0.12
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD12	20	0.12
(3,678)	1:B:115:VAL:HB	1:B:119:LEU:HD13	20	0.12
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB3	9	0.12
(3,658)	1:B:95:ASP:HB3	1:B:132:LYS:HB2	9	0.12
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB3	9	0.12
(3,658)	1:B:95:ASP:HB2	1:B:132:LYS:HB2	9	0.12
(3,658)	1:B:116:ASP:HB2	1:B:127:ARG:HB2	9	0.12
(3,631)	1:B:119:LEU:HD11	1:B:128:ARG:H	3	0.12
(3,631)	1:B:119:LEU:HD12	1:B:128:ARG:H	3	0.12
(3,631)	1:B:119:LEU:HD13	1:B:128:ARG:H	3	0.12
(3,631)	1:B:119:LEU:HD11	1:B:115:VAL:H	3	0.12
(3,631)	1:B:119:LEU:HD12	1:B:115:VAL:H	3	0.12
(3,631)	1:B:119:LEU:HD13	1:B:115:VAL:H	3	0.12
(3,60)	1:B:29:GLY:H	1:B:27:VAL:HA	2	0.12
(3,60)	1:B:29:GLY:H	1:B:25:LYS:HA	2	0.12
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG21	4	0.12
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG22	4	0.12
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG23	4	0.12
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG21	4	0.12
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG22	4	0.12
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG23	4	0.12
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG21	4	0.12
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG22	4	0.12
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG23	4	0.12
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD11	4	0.12
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD12	4	0.12
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD13	4	0.12
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD11	4	0.12
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD12	4	0.12
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD13	4	0.12
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD11	4	0.12
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD12	4	0.12
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD13	4	0.12
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD11	4	0.12
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD12	4	0.12
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD13	4	0.12
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD11	4	0.12
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD12	4	0.12
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD13	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD11	4	0.12
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD12	4	0.12
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD13	4	0.12
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG21	4	0.12
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG22	4	0.12
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG23	4	0.12
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG21	4	0.12
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG22	4	0.12
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG23	4	0.12
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG21	4	0.12
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG22	4	0.12
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG23	4	0.12
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	3	0.12
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	3	0.12
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	19	0.12
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	19	0.12
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB2	18	0.12
(3,479)	1:B:131:TYR:HB3	1:B:133:LYS:HB3	18	0.12
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB2	18	0.12
(3,479)	1:B:131:TYR:HB3	1:B:132:LYS:HB3	18	0.12
(3,479)	1:B:131:TYR:HB3	1:B:128:ARG:HB2	18	0.12
(3,467)	1:B:133:LYS:HG3	1:B:134:ARG:H	6	0.12
(3,467)	1:B:133:LYS:HG2	1:B:134:ARG:H	6	0.12
(3,467)	1:B:133:LYS:HG2	1:B:133:LYS:H	6	0.12
(3,467)	1:B:133:LYS:HG3	1:B:133:LYS:H	6	0.12
(3,467)	1:B:132:LYS:HG3	1:B:133:LYS:H	6	0.12
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD21	6	0.12
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD22	6	0.12
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD23	6	0.12
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD21	6	0.12
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD22	6	0.12
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD23	6	0.12
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD11	6	0.12
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD12	6	0.12
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD13	6	0.12
(3,378)	1:B:22:LEU:HD11	1:B:18:ARG:HD2	10	0.12
(3,378)	1:B:22:LEU:HD12	1:B:18:ARG:HD2	10	0.12
(3,378)	1:B:22:LEU:HD13	1:B:18:ARG:HD2	10	0.12
(3,378)	1:B:22:LEU:HD11	1:B:18:ARG:HD3	10	0.12
(3,378)	1:B:22:LEU:HD12	1:B:18:ARG:HD3	10	0.12
(3,378)	1:B:22:LEU:HD13	1:B:18:ARG:HD3	10	0.12
(3,378)	1:B:40:LEU:HD11	1:B:16:HIS:HB3	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,378)	1:B:40:LEU:HD12	1:B:16:HIS:HB3	10	0.12
(3,378)	1:B:40:LEU:HD13	1:B:16:HIS:HB3	10	0.12
(3,363)	1:B:40:LEU:HD21	1:B:39:HIS:H	12	0.12
(3,363)	1:B:40:LEU:HD22	1:B:39:HIS:H	12	0.12
(3,363)	1:B:40:LEU:HD23	1:B:39:HIS:H	12	0.12
(3,363)	1:B:40:LEU:HD21	1:B:41:ASN:HD21	12	0.12
(3,363)	1:B:40:LEU:HD22	1:B:41:ASN:HD21	12	0.12
(3,363)	1:B:40:LEU:HD23	1:B:41:ASN:HD21	12	0.12
(3,363)	1:B:82:LEU:HD11	1:B:80:GLN:HE21	12	0.12
(3,363)	1:B:82:LEU:HD12	1:B:80:GLN:HE21	12	0.12
(3,363)	1:B:82:LEU:HD13	1:B:80:GLN:HE21	12	0.12
(3,361)	1:B:82:LEU:HD11	1:B:83:GLU:H	14	0.12
(3,361)	1:B:82:LEU:HD12	1:B:83:GLU:H	14	0.12
(3,361)	1:B:82:LEU:HD13	1:B:83:GLU:H	14	0.12
(3,361)	1:B:82:LEU:HD11	1:B:85:GLN:H	14	0.12
(3,361)	1:B:82:LEU:HD12	1:B:85:GLN:H	14	0.12
(3,361)	1:B:82:LEU:HD13	1:B:85:GLN:H	14	0.12
(3,340)	1:B:63:VAL:HA	1:B:63:VAL:HB	3	0.12
(3,340)	1:B:110:SER:HB3	1:B:113:ARG:HB2	3	0.12
(3,340)	1:B:63:VAL:HA	1:B:63:VAL:HB	13	0.12
(3,340)	1:B:110:SER:HB3	1:B:113:ARG:HB2	13	0.12
(3,340)	1:B:63:VAL:HA	1:B:63:VAL:HB	14	0.12
(3,340)	1:B:110:SER:HB3	1:B:113:ARG:HB2	14	0.12
(3,340)	1:B:63:VAL:HA	1:B:63:VAL:HB	15	0.12
(3,340)	1:B:110:SER:HB3	1:B:113:ARG:HB2	15	0.12
(3,327)	1:B:45:ARG:HE	1:B:45:ARG:HD2	15	0.12
(3,327)	1:B:45:ARG:HE	1:B:49:GLN:HG3	15	0.12
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB2	11	0.12
(3,318)	1:B:135:GLN:HE21	1:B:129:GLU:HB3	11	0.12
(3,318)	1:B:135:GLN:HE21	1:B:126:GLU:HG3	11	0.12
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	4	0.12
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	4	0.12
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	4	0.12
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	4	0.12
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	4	0.12
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	4	0.12
(3,305)	1:B:129:GLU:H	1:B:118:LEU:HB3	18	0.12
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG2	18	0.12
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB1	18	0.12
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB2	18	0.12
(3,305)	1:B:129:GLU:H	1:B:112:ALA:HB3	18	0.12
(3,305)	1:B:129:GLU:H	1:B:133:LYS:HG3	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1874)	1:B:118:LEU:HD11	1:B:84:LEU:HG	5	0.12
(3,1874)	1:B:118:LEU:HD12	1:B:84:LEU:HG	5	0.12
(3,1874)	1:B:118:LEU:HD13	1:B:84:LEU:HG	5	0.12
(3,1874)	1:B:118:LEU:HD11	1:B:121:LEU:HB3	5	0.12
(3,1874)	1:B:118:LEU:HD12	1:B:121:LEU:HB3	5	0.12
(3,1874)	1:B:118:LEU:HD13	1:B:121:LEU:HB3	5	0.12
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG21	4	0.12
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG22	4	0.12
(3,1834)	1:B:9:TRP:HD1	1:B:8:THR:HG23	4	0.12
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG21	4	0.12
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG22	4	0.12
(3,1834)	1:B:9:TRP:HD1	1:B:42:THR:HG23	4	0.12
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	4	0.12
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	4	0.12
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	4	0.12
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	4	0.12
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB1	10	0.12
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB2	10	0.12
(3,1796)	1:B:16:HIS:HD2	1:B:23:ALA:HB3	10	0.12
(3,1796)	1:B:16:HIS:HD2	1:B:22:LEU:HB3	10	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD11	3	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD12	3	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD13	3	0.12
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG21	3	0.12
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG22	3	0.12
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG23	3	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG21	3	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG22	3	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG23	3	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD11	20	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD12	20	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD13	20	0.12
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG21	20	0.12
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG22	20	0.12
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG23	20	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG21	20	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG22	20	0.12
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG23	20	0.12
(3,1566)	1:B:40:LEU:HB3	1:B:41:ASN:HB3	14	0.12
(3,1566)	1:B:40:LEU:HB3	1:B:45:ARG:HD3	14	0.12
(3,1566)	1:B:40:LEU:HB3	1:B:53:HIS:HB3	14	0.12
(3,1565)	1:B:40:LEU:HB2	1:B:41:ASN:HB3	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1565)	1:B:40:LEU:HB2	1:B:45:ARG:HD3	19	0.12
(3,1565)	1:B:22:LEU:HB2	1:B:26:ASP:HB2	19	0.12
(3,1565)	1:B:40:LEU:HB2	1:B:53:HIS:HB3	19	0.12
(3,1551)	1:B:43:VAL:HG21	1:B:9:TRP:HE3	2	0.12
(3,1551)	1:B:43:VAL:HG22	1:B:9:TRP:HE3	2	0.12
(3,1551)	1:B:43:VAL:HG23	1:B:9:TRP:HE3	2	0.12
(3,1551)	1:B:43:VAL:HG21	1:B:45:ARG:HE	2	0.12
(3,1551)	1:B:43:VAL:HG22	1:B:45:ARG:HE	2	0.12
(3,1551)	1:B:43:VAL:HG23	1:B:45:ARG:HE	2	0.12
(3,147)	1:B:67:GLN:H	1:B:67:GLN:HG2	2	0.12
(3,147)	1:B:67:GLN:H	1:B:67:GLN:HG3	2	0.12
(3,147)	1:B:67:GLN:H	1:B:65:ASP:HB3	2	0.12
(3,1464)	1:B:50:ILE:HG21	1:B:49:GLN:HG2	4	0.12
(3,1464)	1:B:50:ILE:HG22	1:B:49:GLN:HG2	4	0.12
(3,1464)	1:B:50:ILE:HG23	1:B:49:GLN:HG2	4	0.12
(3,1464)	1:B:114:ILE:HG21	1:B:89:GLU:HG3	4	0.12
(3,1464)	1:B:114:ILE:HG22	1:B:89:GLU:HG3	4	0.12
(3,1464)	1:B:114:ILE:HG23	1:B:89:GLU:HG3	4	0.12
(3,1423)	1:B:52:HIS:HE1	1:B:63:VAL:HB	16	0.12
(3,1423)	1:B:52:HIS:HE1	1:B:56:GLN:HG2	16	0.12
(3,1392)	1:B:54:LEU:HD11	1:B:57:MET:H	5	0.12
(3,1392)	1:B:54:LEU:HD12	1:B:57:MET:H	5	0.12
(3,1392)	1:B:54:LEU:HD13	1:B:57:MET:H	5	0.12
(3,1392)	1:B:54:LEU:HD11	1:B:62:SER:H	5	0.12
(3,1392)	1:B:54:LEU:HD12	1:B:62:SER:H	5	0.12
(3,1392)	1:B:54:LEU:HD13	1:B:62:SER:H	5	0.12
(3,1392)	1:B:54:LEU:HD11	1:B:57:MET:H	17	0.12
(3,1392)	1:B:54:LEU:HD12	1:B:57:MET:H	17	0.12
(3,1392)	1:B:54:LEU:HD13	1:B:57:MET:H	17	0.12
(3,1392)	1:B:54:LEU:HD11	1:B:62:SER:H	17	0.12
(3,1392)	1:B:54:LEU:HD12	1:B:62:SER:H	17	0.12
(3,1392)	1:B:54:LEU:HD13	1:B:62:SER:H	17	0.12
(3,1392)	1:B:54:LEU:HD11	1:B:57:MET:H	18	0.12
(3,1392)	1:B:54:LEU:HD12	1:B:57:MET:H	18	0.12
(3,1392)	1:B:54:LEU:HD13	1:B:57:MET:H	18	0.12
(3,1392)	1:B:54:LEU:HD11	1:B:62:SER:H	18	0.12
(3,1392)	1:B:54:LEU:HD12	1:B:62:SER:H	18	0.12
(3,1392)	1:B:54:LEU:HD13	1:B:62:SER:H	18	0.12
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	14	0.12
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	14	0.12
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	14	0.12
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	14	0.12
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	14	0.12
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	14	0.12
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	14	0.12
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	14	0.12
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	3	0.12
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	3	0.12
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	3	0.12
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	3	0.12
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	3	0.12
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	3	0.12
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	12	0.12
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	12	0.12
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	12	0.12
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	12	0.12
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	12	0.12
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	12	0.12
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG11	17	0.12
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG12	17	0.12
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG13	17	0.12
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG11	17	0.12
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG12	17	0.12
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG13	17	0.12
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG21	17	0.12
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG22	17	0.12
(3,1267)	1:B:64:LYS:HG3	1:B:63:VAL:HG23	17	0.12
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD21	17	0.12
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD22	17	0.12
(3,1267)	1:B:136:LYS:HG3	1:B:138:LEU:HD23	17	0.12
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG21	17	0.12
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG22	17	0.12
(3,1267)	1:B:64:LYS:HG2	1:B:63:VAL:HG23	17	0.12
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE1	18	0.12
(3,1253)	1:B:67:GLN:HB2	1:B:66:PHE:HE2	18	0.12
(3,1253)	1:B:67:GLN:HB2	1:B:52:HIS:HD2	18	0.12
(3,1247)	1:B:89:GLU:HB3	1:B:90:GLU:HB3	2	0.12
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG3	2	0.12
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG2	2	0.12
(3,1232)	1:B:8:THR:HB	1:B:7:PRO:HB2	1	0.12
(3,1232)	1:B:71:THR:HB	1:B:82:LEU:HB3	1	0.12
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	4	0.12
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	4	0.12
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	4	0.12
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	4	0.12
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	4	0.12
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	4	0.12
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	4	0.12
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	4	0.12
(3,1188)	1:B:73:ILE:HG21	1:B:109:ARG:HD3	19	0.12
(3,1188)	1:B:73:ILE:HG22	1:B:109:ARG:HD3	19	0.12
(3,1188)	1:B:73:ILE:HG23	1:B:109:ARG:HD3	19	0.12
(3,1188)	1:B:73:ILE:HG21	1:B:80:GLN:HB2	19	0.12
(3,1188)	1:B:73:ILE:HG22	1:B:80:GLN:HB2	19	0.12
(3,1188)	1:B:73:ILE:HG23	1:B:80:GLN:HB2	19	0.12
(3,1188)	1:B:73:ILE:HG21	1:B:83:GLU:HB2	19	0.12
(3,1188)	1:B:73:ILE:HG22	1:B:83:GLU:HB2	19	0.12
(3,1188)	1:B:73:ILE:HG23	1:B:83:GLU:HB2	19	0.12
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	2	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	2	0.12
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	2	0.12
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	2	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	2	0.12
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	2	0.12
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	3	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	3	0.12
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	3	0.12
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	3	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	3	0.12
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	3	0.12
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	5	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	5	0.12
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	5	0.12
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	5	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	5	0.12
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	5	0.12
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	11	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	11	0.12
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	11	0.12
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	11	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	11	0.12
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	11	0.12
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	19	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	19	0.12
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	19	0.12
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	19	0.12
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	19	0.12
(3,1137)	1:B:76:TRP:HB2	1:B:81:GLU:HB3	10	0.12
(3,1137)	1:B:76:TRP:HB2	1:B:84:LEU:HB3	10	0.12
(3,1137)	1:B:52:HIS:HB3	1:B:55:VAL:HB	10	0.12
(3,1137)	1:B:76:TRP:HB2	1:B:74:VAL:HB	10	0.12
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD11	9	0.12
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD12	9	0.12
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD13	9	0.12
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG11	9	0.12
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG12	9	0.12
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG13	9	0.12
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG21	9	0.12
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG22	9	0.12
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG23	9	0.12
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	3	0.12
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	3	0.12
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	4	0.12
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	4	0.12
(3,1004)	1:B:89:GLU:HG2	1:B:85:GLN:HE21	5	0.12
(3,1004)	1:B:89:GLU:HG2	1:B:124:VAL:H	5	0.12
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD11	12	0.12
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD12	12	0.12
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD13	12	0.12
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD11	18	0.12
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD12	18	0.12
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD13	18	0.12
(2,5)	1:B:59:LEU:H	1:B:56:GLN:HA	19	0.12
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	4	0.12
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	5	0.12
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	10	0.12
(2,15)	1:B:111:ARG:HE	1:B:101:ILE:HB	10	0.12
(1,959)	1:B:131:TYR:HD1	1:B:127:ARG:HB3	12	0.12
(1,959)	1:B:131:TYR:HD2	1:B:127:ARG:HB3	12	0.12
(1,959)	1:B:131:TYR:HD1	1:B:127:ARG:HB2	12	0.12
(1,959)	1:B:131:TYR:HD2	1:B:127:ARG:HB2	12	0.12
(1,888)	1:B:75:LEU:HD21	1:B:75:LEU:HA	8	0.12
(1,888)	1:B:75:LEU:HD22	1:B:75:LEU:HA	8	0.12
(1,888)	1:B:75:LEU:HD23	1:B:75:LEU:HA	8	0.12
(1,888)	1:B:75:LEU:HD21	1:B:75:LEU:HA	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:B:75:LEU:HD22	1:B:75:LEU:HA	12	0.12
(1,888)	1:B:75:LEU:HD23	1:B:75:LEU:HA	12	0.12
(1,888)	1:B:75:LEU:HD21	1:B:75:LEU:HA	18	0.12
(1,888)	1:B:75:LEU:HD22	1:B:75:LEU:HA	18	0.12
(1,888)	1:B:75:LEU:HD23	1:B:75:LEU:HA	18	0.12
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG21	1	0.12
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG22	1	0.12
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG23	1	0.12
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG11	1	0.12
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG12	1	0.12
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG13	1	0.12
(1,807)	1:B:135:GLN:HE21	1:B:135:GLN:HA	18	0.12
(1,789)	1:B:130:LEU:H	1:B:130:LEU:HB2	15	0.12
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG11	9	0.12
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG12	9	0.12
(1,760)	1:B:124:VAL:H	1:B:124:VAL:HG13	9	0.12
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	2	0.12
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	2	0.12
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	2	0.12
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	6	0.12
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	6	0.12
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	6	0.12
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	19	0.12
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	19	0.12
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	19	0.12
(1,707)	1:B:113:ARG:H	1:B:113:ARG:HG2	6	0.12
(1,707)	1:B:113:ARG:H	1:B:113:ARG:HG3	6	0.12
(1,670)	1:B:107:ALA:H	1:B:105:ILE:HG13	2	0.12
(1,662)	1:B:106:THR:H	1:B:105:ILE:HG13	12	0.12
(1,611)	1:B:95:ASP:H	1:B:94:SER:HB3	16	0.12
(1,491)	1:B:77:THR:H	1:B:80:GLN:HB3	5	0.12
(1,491)	1:B:77:THR:H	1:B:80:GLN:HB3	9	0.12
(1,491)	1:B:77:THR:H	1:B:80:GLN:HB3	12	0.12
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	16	0.12
(1,482)	1:B:76:TRP:HE1	1:B:114:ILE:HG13	20	0.12
(1,462)	1:B:73:ILE:H	1:B:72:HIS:HA	5	0.12
(1,435)	1:B:67:GLN:H	1:B:66:PHE:H	20	0.12
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	18	0.12
(1,2759)	1:B:88:PHE:HZ	1:B:89:GLU:HG3	3	0.12
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	8	0.12
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	9	0.12
(1,2701)	1:B:118:LEU:HD11	1:B:88:PHE:HB3	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2701)	1:B:118:LEU:HD12	1:B:88:PHE:HB3	13	0.12
(1,2701)	1:B:118:LEU:HD13	1:B:88:PHE:HB3	13	0.12
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG3	8	0.12
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG2	8	0.12
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG3	13	0.12
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG2	13	0.12
(1,2687)	1:B:6:ALA:HB1	1:B:49:GLN:HE22	5	0.12
(1,2687)	1:B:6:ALA:HB2	1:B:49:GLN:HE22	5	0.12
(1,2687)	1:B:6:ALA:HB3	1:B:49:GLN:HE22	5	0.12
(1,2683)	1:B:6:ALA:HB1	1:B:7:PRO:HD2	6	0.12
(1,2683)	1:B:6:ALA:HB2	1:B:7:PRO:HD2	6	0.12
(1,2683)	1:B:6:ALA:HB3	1:B:7:PRO:HD2	6	0.12
(1,2662)	1:B:42:THR:HG21	1:B:44:PRO:HD2	18	0.12
(1,2662)	1:B:42:THR:HG22	1:B:44:PRO:HD2	18	0.12
(1,2662)	1:B:42:THR:HG23	1:B:44:PRO:HD2	18	0.12
(1,2658)	1:B:8:THR:HB	1:B:9:TRP:HD1	15	0.12
(1,2601)	1:B:14:GLU:HA	1:B:53:HIS:HD2	3	0.12
(1,2591)	1:B:15:ALA:HB1	1:B:19:GLU:HB2	9	0.12
(1,2591)	1:B:15:ALA:HB2	1:B:19:GLU:HB2	9	0.12
(1,2591)	1:B:15:ALA:HB3	1:B:19:GLU:HB2	9	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	1	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	1	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	1	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	2	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	2	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	2	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	13	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	13	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	13	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	14	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	14	0.12
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	14	0.12
(1,2568)	1:B:17:LEU:HD21	1:B:9:TRP:HZ2	1	0.12
(1,2568)	1:B:17:LEU:HD22	1:B:9:TRP:HZ2	1	0.12
(1,2568)	1:B:17:LEU:HD23	1:B:9:TRP:HZ2	1	0.12
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE1	14	0.12
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE2	14	0.12
(1,2559)	1:B:17:LEU:HD21	1:B:57:MET:HE3	14	0.12
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE1	14	0.12
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE2	14	0.12
(1,2559)	1:B:17:LEU:HD22	1:B:57:MET:HE3	14	0.12
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE1	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE2	14	0.12
(1,2559)	1:B:17:LEU:HD23	1:B:57:MET:HE3	14	0.12
(1,2552)	1:B:17:LEU:HD11	1:B:40:LEU:HB2	3	0.12
(1,2552)	1:B:17:LEU:HD12	1:B:40:LEU:HB2	3	0.12
(1,2552)	1:B:17:LEU:HD13	1:B:40:LEU:HB2	3	0.12
(1,2552)	1:B:17:LEU:HD11	1:B:40:LEU:HG	3	0.12
(1,2552)	1:B:17:LEU:HD12	1:B:40:LEU:HG	3	0.12
(1,2552)	1:B:17:LEU:HD13	1:B:40:LEU:HG	3	0.12
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	13	0.12
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	13	0.12
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	13	0.12
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	13	0.12
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	13	0.12
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	13	0.12
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	13	0.12
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	13	0.12
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	13	0.12
(1,2355)	1:B:39:HIS:HD2	1:B:20:LEU:HG	15	0.12
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG3	4	0.12
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG3	4	0.12
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG3	4	0.12
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HG2	4	0.12
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HG2	4	0.12
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HG2	4	0.12
(1,2335)	1:B:40:LEU:HD11	1:B:13:GLU:HB3	4	0.12
(1,2335)	1:B:40:LEU:HD12	1:B:13:GLU:HB3	4	0.12
(1,2335)	1:B:40:LEU:HD13	1:B:13:GLU:HB3	4	0.12
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG21	20	0.12
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG22	20	0.12
(1,2285)	1:B:43:VAL:HG11	1:B:42:THR:HG23	20	0.12
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG21	20	0.12
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG22	20	0.12
(1,2285)	1:B:43:VAL:HG12	1:B:42:THR:HG23	20	0.12
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG21	20	0.12
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG22	20	0.12
(1,2285)	1:B:43:VAL:HG13	1:B:42:THR:HG23	20	0.12
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD11	13	0.12
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD12	13	0.12
(1,2251)	1:B:44:PRO:HA	1:B:50:ILE:HD13	13	0.12
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	5	0.12
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	5	0.12
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	13	0.12
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	13	0.12
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	13	0.12
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	17	0.12
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	17	0.12
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	17	0.12
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	20	0.12
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	20	0.12
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	20	0.12
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	1	0.12
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD21	10	0.12
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD22	10	0.12
(1,2018)	1:B:57:MET:HA	1:B:54:LEU:HD23	10	0.12
(1,1995)	1:B:37:LEU:HD21	1:B:50:ILE:HB	12	0.12
(1,1995)	1:B:37:LEU:HD22	1:B:50:ILE:HB	12	0.12
(1,1995)	1:B:37:LEU:HD23	1:B:50:ILE:HB	12	0.12
(1,1943)	1:B:62:SER:HB3	1:B:63:VAL:H	7	0.12
(1,1920)	1:B:30:GLN:HB3	1:B:30:GLN:HE21	6	0.12
(1,1914)	1:B:64:LYS:HD2	1:B:64:LYS:HA	2	0.12
(1,1914)	1:B:64:LYS:HD3	1:B:64:LYS:HA	2	0.12
(1,1823)	1:B:74:VAL:HG21	1:B:109:ARG:HG2	2	0.12
(1,1823)	1:B:74:VAL:HG22	1:B:109:ARG:HG2	2	0.12
(1,1823)	1:B:74:VAL:HG23	1:B:109:ARG:HG2	2	0.12
(1,1738)	1:B:85:GLN:HG3	1:B:85:GLN:HA	7	0.12
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD11	2	0.12
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD12	2	0.12
(1,1728)	1:B:85:GLN:HG3	1:B:123:LEU:HD13	2	0.12
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG11	5	0.12
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG12	5	0.12
(1,171)	1:B:30:GLN:HE21	1:B:27:VAL:HG13	5	0.12
(1,1701)	1:B:12:GLU:HA	1:B:12:GLU:HG3	4	0.12
(1,169)	1:B:30:GLN:HE21	1:B:30:GLN:HG2	2	0.12
(1,1624)	1:B:90:GLU:HG2	1:B:89:GLU:HG2	20	0.12
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD3	15	0.12
(1,1572)	1:B:133:LYS:HG3	1:B:134:ARG:HD2	15	0.12
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD3	15	0.12
(1,1572)	1:B:133:LYS:HG2	1:B:134:ARG:HD2	15	0.12
(1,1557)	1:B:92:ARG:HD2	1:B:89:GLU:HB3	11	0.12
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG11	1	0.12
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG12	1	0.12
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG13	1	0.12
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG21	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG22	1	0.12
(1,1538)	1:B:95:ASP:HA	1:B:97:VAL:HG23	1	0.12
(1,1534)	1:B:97:VAL:HG11	1:B:88:PHE:H	20	0.12
(1,1534)	1:B:97:VAL:HG12	1:B:88:PHE:H	20	0.12
(1,1534)	1:B:97:VAL:HG13	1:B:88:PHE:H	20	0.12
(1,1451)	1:B:102:MET:HE1	1:B:111:ARG:HG3	17	0.12
(1,1451)	1:B:102:MET:HE2	1:B:111:ARG:HG3	17	0.12
(1,1451)	1:B:102:MET:HE3	1:B:111:ARG:HG3	17	0.12
(1,1444)	1:B:102:MET:HG2	1:B:102:MET:H	5	0.12
(1,1444)	1:B:102:MET:HG2	1:B:102:MET:H	9	0.12
(1,1444)	1:B:102:MET:HG2	1:B:102:MET:H	14	0.12
(1,1443)	1:B:102:MET:HE1	1:B:103:LYS:H	9	0.12
(1,1443)	1:B:102:MET:HE2	1:B:103:LYS:H	9	0.12
(1,1443)	1:B:102:MET:HE3	1:B:103:LYS:H	9	0.12
(1,1443)	1:B:102:MET:HE1	1:B:103:LYS:H	18	0.12
(1,1443)	1:B:102:MET:HE2	1:B:103:LYS:H	18	0.12
(1,1443)	1:B:102:MET:HE3	1:B:103:LYS:H	18	0.12
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD11	17	0.12
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD12	17	0.12
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD13	17	0.12
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD11	19	0.12
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD12	19	0.12
(1,1429)	1:B:104:ASN:HB3	1:B:87:LEU:HD13	19	0.12
(1,1388)	1:B:106:THR:HG21	1:B:80:GLN:HG2	18	0.12
(1,1388)	1:B:106:THR:HG22	1:B:80:GLN:HG2	18	0.12
(1,1388)	1:B:106:THR:HG23	1:B:80:GLN:HG2	18	0.12
(1,1311)	1:B:110:SER:HA	1:B:102:MET:HG3	8	0.12
(1,1311)	1:B:110:SER:HA	1:B:102:MET:HG3	20	0.12
(1,1271)	1:B:114:ILE:HG12	1:B:76:TRP:HH2	14	0.12
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD11	12	0.12
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD12	12	0.12
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD13	12	0.12
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD11	12	0.12
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD12	12	0.12
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD13	12	0.12
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD11	12	0.12
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD12	12	0.12
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD13	12	0.12
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	5	0.12
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	5	0.12
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	5	0.12
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	6	0.12
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	6	0.12
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	16	0.12
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	16	0.12
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	16	0.12
(1,1232)	1:B:27:VAL:HG11	1:B:24:ASN:HB2	20	0.12
(1,1232)	1:B:27:VAL:HG12	1:B:24:ASN:HB2	20	0.12
(1,1232)	1:B:27:VAL:HG13	1:B:24:ASN:HB2	20	0.12
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	6	0.12
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	7	0.12
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	12	0.12
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	13	0.12
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	19	0.12
(1,1175)	1:B:119:LEU:HD11	1:B:118:LEU:H	16	0.12
(1,1175)	1:B:119:LEU:HD12	1:B:118:LEU:H	16	0.12
(1,1175)	1:B:119:LEU:HD13	1:B:118:LEU:H	16	0.12
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD21	2	0.12
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD22	2	0.12
(1,1155)	1:B:120:ALA:HB1	1:B:121:LEU:HD23	2	0.12
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD21	2	0.12
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD22	2	0.12
(1,1155)	1:B:120:ALA:HB2	1:B:121:LEU:HD23	2	0.12
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD21	2	0.12
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD22	2	0.12
(1,1155)	1:B:120:ALA:HB3	1:B:121:LEU:HD23	2	0.12
(1,1137)	1:B:121:LEU:HD11	1:B:121:LEU:HB3	5	0.12
(1,1137)	1:B:121:LEU:HD12	1:B:121:LEU:HB3	5	0.12
(1,1137)	1:B:121:LEU:HD13	1:B:121:LEU:HB3	5	0.12
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	11	0.12
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	11	0.12
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	11	0.12
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	11	0.12
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	11	0.12
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	11	0.12
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	11	0.12
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	11	0.12
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	11	0.12
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB2	14	0.12
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB2	14	0.12
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB2	14	0.12
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB3	14	0.12
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB3	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB3	14	0.12
(1,1076)	1:B:124:VAL:HG11	1:B:115:VAL:HA	3	0.12
(1,1076)	1:B:124:VAL:HG12	1:B:115:VAL:HA	3	0.12
(1,1076)	1:B:124:VAL:HG13	1:B:115:VAL:HA	3	0.12
(3,936)	1:B:32:VAL:HG21	1:B:35:ALA:HA	20	0.11
(3,936)	1:B:32:VAL:HG22	1:B:35:ALA:HA	20	0.11
(3,936)	1:B:32:VAL:HG23	1:B:35:ALA:HA	20	0.11
(3,936)	1:B:32:VAL:HG21	1:B:59:LEU:HA	20	0.11
(3,936)	1:B:32:VAL:HG22	1:B:59:LEU:HA	20	0.11
(3,936)	1:B:32:VAL:HG23	1:B:59:LEU:HA	20	0.11
(3,931)	1:B:97:VAL:HG11	1:B:97:VAL:HA	13	0.11
(3,931)	1:B:97:VAL:HG12	1:B:97:VAL:HA	13	0.11
(3,931)	1:B:97:VAL:HG13	1:B:97:VAL:HA	13	0.11
(3,931)	1:B:97:VAL:HG11	1:B:92:ARG:HA	13	0.11
(3,931)	1:B:97:VAL:HG12	1:B:92:ARG:HA	13	0.11
(3,931)	1:B:97:VAL:HG13	1:B:92:ARG:HA	13	0.11
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	4	0.11
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	4	0.11
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	4	0.11
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	4	0.11
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	4	0.11
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	4	0.11
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	4	0.11
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	4	0.11
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	4	0.11
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	4	0.11
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	4	0.11
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	4	0.11
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	4	0.11
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	4	0.11
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	4	0.11
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	4	0.11
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	4	0.11
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	4	0.11
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG11	15	0.11
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG12	15	0.11
(3,908)	1:B:98:LEU:HD11	1:B:115:VAL:HG13	15	0.11
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG11	15	0.11
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG12	15	0.11
(3,908)	1:B:98:LEU:HD12	1:B:115:VAL:HG13	15	0.11
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG11	15	0.11
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG12	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,908)	1:B:98:LEU:HD13	1:B:115:VAL:HG13	15	0.11
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD11	15	0.11
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD12	15	0.11
(3,908)	1:B:98:LEU:HD11	1:B:84:LEU:HD13	15	0.11
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD11	15	0.11
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD12	15	0.11
(3,908)	1:B:98:LEU:HD12	1:B:84:LEU:HD13	15	0.11
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD11	15	0.11
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD12	15	0.11
(3,908)	1:B:98:LEU:HD13	1:B:84:LEU:HD13	15	0.11
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE1	13	0.11
(3,830)	1:B:31:ASP:HB3	1:B:66:PHE:HE2	13	0.11
(3,830)	1:B:31:ASP:HB3	1:B:30:GLN:HE21	13	0.11
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB3	5	0.11
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB3	5	0.11
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB3	5	0.11
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB2	5	0.11
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB2	5	0.11
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB2	5	0.11
(3,825)	1:B:105:ILE:HG21	1:B:111:ARG:HG2	5	0.11
(3,825)	1:B:105:ILE:HG22	1:B:111:ARG:HG2	5	0.11
(3,825)	1:B:105:ILE:HG23	1:B:111:ARG:HG2	5	0.11
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB3	8	0.11
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB3	8	0.11
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB3	8	0.11
(3,825)	1:B:105:ILE:HG21	1:B:108:LYS:HB2	8	0.11
(3,825)	1:B:105:ILE:HG22	1:B:108:LYS:HB2	8	0.11
(3,825)	1:B:105:ILE:HG23	1:B:108:LYS:HB2	8	0.11
(3,825)	1:B:105:ILE:HG21	1:B:111:ARG:HG2	8	0.11
(3,825)	1:B:105:ILE:HG22	1:B:111:ARG:HG2	8	0.11
(3,825)	1:B:105:ILE:HG23	1:B:111:ARG:HG2	8	0.11
(3,817)	1:B:105:ILE:HD11	1:B:76:TRP:HE3	6	0.11
(3,817)	1:B:105:ILE:HD12	1:B:76:TRP:HE3	6	0.11
(3,817)	1:B:105:ILE:HD13	1:B:76:TRP:HE3	6	0.11
(3,817)	1:B:101:ILE:HD11	1:B:104:ASN:H	6	0.11
(3,817)	1:B:101:ILE:HD12	1:B:104:ASN:H	6	0.11
(3,817)	1:B:101:ILE:HD13	1:B:104:ASN:H	6	0.11
(3,815)	1:B:106:THR:HG21	1:B:84:LEU:H	5	0.11
(3,815)	1:B:106:THR:HG22	1:B:84:LEU:H	5	0.11
(3,815)	1:B:106:THR:HG23	1:B:84:LEU:H	5	0.11
(3,815)	1:B:106:THR:HG21	1:B:83:GLU:H	5	0.11
(3,815)	1:B:106:THR:HG22	1:B:83:GLU:H	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,815)	1:B:106:THR:HG23	1:B:83:GLU:H	5	0.11
(3,815)	1:B:106:THR:HG21	1:B:114:ILE:H	5	0.11
(3,815)	1:B:106:THR:HG22	1:B:114:ILE:H	5	0.11
(3,815)	1:B:106:THR:HG23	1:B:114:ILE:H	5	0.11
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG21	1	0.11
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG22	1	0.11
(3,76)	1:B:37:LEU:H	1:B:50:ILE:HG23	1	0.11
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG21	1	0.11
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG22	1	0.11
(3,76)	1:B:37:LEU:H	1:B:33:VAL:HG23	1	0.11
(3,713)	1:B:22:LEU:HD21	1:B:22:LEU:H	4	0.11
(3,713)	1:B:22:LEU:HD22	1:B:22:LEU:H	4	0.11
(3,713)	1:B:22:LEU:HD23	1:B:22:LEU:H	4	0.11
(3,713)	1:B:33:VAL:HG21	1:B:37:LEU:H	4	0.11
(3,713)	1:B:33:VAL:HG22	1:B:37:LEU:H	4	0.11
(3,713)	1:B:33:VAL:HG23	1:B:37:LEU:H	4	0.11
(3,713)	1:B:22:LEU:HD21	1:B:22:LEU:H	20	0.11
(3,713)	1:B:22:LEU:HD22	1:B:22:LEU:H	20	0.11
(3,713)	1:B:22:LEU:HD23	1:B:22:LEU:H	20	0.11
(3,713)	1:B:33:VAL:HG21	1:B:37:LEU:H	20	0.11
(3,713)	1:B:33:VAL:HG22	1:B:37:LEU:H	20	0.11
(3,713)	1:B:33:VAL:HG23	1:B:37:LEU:H	20	0.11
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG11	18	0.11
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG12	18	0.11
(3,690)	1:B:115:VAL:HG21	1:B:124:VAL:HG13	18	0.11
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG11	18	0.11
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG12	18	0.11
(3,690)	1:B:115:VAL:HG22	1:B:124:VAL:HG13	18	0.11
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG11	18	0.11
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG12	18	0.11
(3,690)	1:B:115:VAL:HG23	1:B:124:VAL:HG13	18	0.11
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD11	18	0.11
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD12	18	0.11
(3,690)	1:B:115:VAL:HG21	1:B:118:LEU:HD13	18	0.11
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD11	18	0.11
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD12	18	0.11
(3,690)	1:B:115:VAL:HG22	1:B:118:LEU:HD13	18	0.11
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD11	18	0.11
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD12	18	0.11
(3,690)	1:B:115:VAL:HG23	1:B:118:LEU:HD13	18	0.11
(3,679)	1:B:97:VAL:HB	1:B:88:PHE:HB2	10	0.11
(3,679)	1:B:63:VAL:HB	1:B:51:ILE:HA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,679)	1:B:63:VAL:HB	1:B:64:LYS:HE3	10	0.11
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG11	5	0.11
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG12	5	0.11
(3,674)	1:B:7:PRO:HB3	1:B:43:VAL:HG13	5	0.11
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD21	5	0.11
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD22	5	0.11
(3,674)	1:B:115:VAL:HB	1:B:118:LEU:HD23	5	0.11
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD11	5	0.11
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD12	5	0.11
(3,674)	1:B:63:VAL:HB	1:B:51:ILE:HD13	5	0.11
(3,655)	1:B:116:ASP:HB3	1:B:115:VAL:HA	19	0.11
(3,655)	1:B:116:ASP:HB3	1:B:113:ARG:HD2	19	0.11
(3,655)	1:B:116:ASP:HB3	1:B:113:ARG:HD3	19	0.11
(3,646)	1:B:17:LEU:HG	1:B:59:LEU:HB2	6	0.11
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG21	6	0.11
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG22	6	0.11
(3,646)	1:B:17:LEU:HG	1:B:42:THR:HG23	6	0.11
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB1	6	0.11
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB2	6	0.11
(3,646)	1:B:17:LEU:HG	1:B:60:ALA:HB3	6	0.11
(3,611)	1:B:120:ALA:HB1	1:B:119:LEU:HB2	19	0.11
(3,611)	1:B:120:ALA:HB2	1:B:119:LEU:HB2	19	0.11
(3,611)	1:B:120:ALA:HB3	1:B:119:LEU:HB2	19	0.11
(3,611)	1:B:112:ALA:HB1	1:B:111:ARG:HG2	19	0.11
(3,611)	1:B:112:ALA:HB2	1:B:111:ARG:HG2	19	0.11
(3,611)	1:B:112:ALA:HB3	1:B:111:ARG:HG2	19	0.11
(3,611)	1:B:112:ALA:HB1	1:B:127:ARG:HG2	19	0.11
(3,611)	1:B:112:ALA:HB2	1:B:127:ARG:HG2	19	0.11
(3,611)	1:B:112:ALA:HB3	1:B:127:ARG:HG2	19	0.11
(3,60)	1:B:29:GLY:H	1:B:27:VAL:HA	5	0.11
(3,60)	1:B:29:GLY:H	1:B:25:LYS:HA	5	0.11
(3,596)	1:B:84:LEU:HD21	1:B:114:ILE:HG13	18	0.11
(3,596)	1:B:84:LEU:HD22	1:B:114:ILE:HG13	18	0.11
(3,596)	1:B:84:LEU:HD23	1:B:114:ILE:HG13	18	0.11
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HB2	18	0.11
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HB2	18	0.11
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HB2	18	0.11
(3,596)	1:B:20:LEU:HD21	1:B:40:LEU:HG	18	0.11
(3,596)	1:B:20:LEU:HD22	1:B:40:LEU:HG	18	0.11
(3,596)	1:B:20:LEU:HD23	1:B:40:LEU:HG	18	0.11
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG21	15	0.11
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG22	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HG23	15	0.11
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG21	15	0.11
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG22	15	0.11
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HG23	15	0.11
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG21	15	0.11
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG22	15	0.11
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HG23	15	0.11
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD11	15	0.11
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD12	15	0.11
(3,593)	1:B:84:LEU:HD21	1:B:101:ILE:HD13	15	0.11
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD11	15	0.11
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD12	15	0.11
(3,593)	1:B:84:LEU:HD22	1:B:101:ILE:HD13	15	0.11
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD11	15	0.11
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD12	15	0.11
(3,593)	1:B:84:LEU:HD23	1:B:101:ILE:HD13	15	0.11
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD11	15	0.11
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD12	15	0.11
(3,593)	1:B:84:LEU:HD21	1:B:114:ILE:HD13	15	0.11
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD11	15	0.11
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD12	15	0.11
(3,593)	1:B:84:LEU:HD22	1:B:114:ILE:HD13	15	0.11
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD11	15	0.11
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD12	15	0.11
(3,593)	1:B:84:LEU:HD23	1:B:114:ILE:HD13	15	0.11
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG21	15	0.11
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG22	15	0.11
(3,593)	1:B:20:LEU:HD21	1:B:36:ILE:HG23	15	0.11
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG21	15	0.11
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG22	15	0.11
(3,593)	1:B:20:LEU:HD22	1:B:36:ILE:HG23	15	0.11
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG21	15	0.11
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG22	15	0.11
(3,593)	1:B:20:LEU:HD23	1:B:36:ILE:HG23	15	0.11
(3,589)	1:B:84:LEU:HD21	1:B:86:ARG:H	3	0.11
(3,589)	1:B:84:LEU:HD22	1:B:86:ARG:H	3	0.11
(3,589)	1:B:84:LEU:HD23	1:B:86:ARG:H	3	0.11
(3,589)	1:B:84:LEU:HD21	1:B:74:VAL:H	3	0.11
(3,589)	1:B:84:LEU:HD22	1:B:74:VAL:H	3	0.11
(3,589)	1:B:84:LEU:HD23	1:B:74:VAL:H	3	0.11
(3,589)	1:B:84:LEU:HD21	1:B:118:LEU:H	3	0.11
(3,589)	1:B:84:LEU:HD22	1:B:118:LEU:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,589)	1:B:84:LEU:HD23	1:B:118:LEU:H	3	0.11
(3,553)	1:B:124:VAL:HG11	1:B:115:VAL:H	9	0.11
(3,553)	1:B:124:VAL:HG12	1:B:115:VAL:H	9	0.11
(3,553)	1:B:124:VAL:HG13	1:B:115:VAL:H	9	0.11
(3,553)	1:B:124:VAL:HG11	1:B:128:ARG:H	9	0.11
(3,553)	1:B:124:VAL:HG12	1:B:128:ARG:H	9	0.11
(3,553)	1:B:124:VAL:HG13	1:B:128:ARG:H	9	0.11
(3,532)	1:B:126:GLU:HG2	1:B:128:ARG:HG2	16	0.11
(3,532)	1:B:126:GLU:HG2	1:B:128:ARG:HG3	16	0.11
(3,532)	1:B:126:GLU:HG2	1:B:130:LEU:HG	16	0.11
(3,526)	1:B:126:GLU:HG3	1:B:124:VAL:HA	10	0.11
(3,526)	1:B:126:GLU:HG3	1:B:130:LEU:HA	10	0.11
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB1	8	0.11
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB2	8	0.11
(3,504)	1:B:129:GLU:HG2	1:B:125:ALA:HB3	8	0.11
(3,504)	1:B:13:GLU:HG3	1:B:40:LEU:HB3	8	0.11
(3,504)	1:B:13:GLU:HG3	1:B:17:LEU:HG	8	0.11
(3,504)	1:B:13:GLU:HG2	1:B:40:LEU:HB3	8	0.11
(3,504)	1:B:13:GLU:HG2	1:B:45:ARG:HG2	8	0.11
(3,504)	1:B:13:GLU:HG3	1:B:45:ARG:HG2	8	0.11
(3,504)	1:B:13:GLU:HG2	1:B:17:LEU:HG	8	0.11
(3,453)	1:B:47:ARG:HD3	1:B:37:LEU:HD21	2	0.11
(3,453)	1:B:47:ARG:HD3	1:B:37:LEU:HD22	2	0.11
(3,453)	1:B:47:ARG:HD3	1:B:37:LEU:HD23	2	0.11
(3,453)	1:B:47:ARG:HD2	1:B:37:LEU:HD21	2	0.11
(3,453)	1:B:47:ARG:HD2	1:B:37:LEU:HD22	2	0.11
(3,453)	1:B:47:ARG:HD2	1:B:37:LEU:HD23	2	0.11
(3,453)	1:B:127:ARG:HD3	1:B:119:LEU:HD21	2	0.11
(3,453)	1:B:127:ARG:HD3	1:B:119:LEU:HD22	2	0.11
(3,453)	1:B:127:ARG:HD3	1:B:119:LEU:HD23	2	0.11
(3,453)	1:B:18:ARG:HD2	1:B:59:LEU:HD11	2	0.11
(3,453)	1:B:18:ARG:HD2	1:B:59:LEU:HD12	2	0.11
(3,453)	1:B:18:ARG:HD2	1:B:59:LEU:HD13	2	0.11
(3,453)	1:B:127:ARG:HD2	1:B:119:LEU:HD21	2	0.11
(3,453)	1:B:127:ARG:HD2	1:B:119:LEU:HD22	2	0.11
(3,453)	1:B:127:ARG:HD2	1:B:119:LEU:HD23	2	0.11
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD21	2	0.11
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD22	2	0.11
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD23	2	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD21	2	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD22	2	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD23	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD11	2	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD12	2	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD13	2	0.11
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD21	10	0.11
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD22	10	0.11
(3,440)	1:B:18:ARG:HB3	1:B:59:LEU:HD23	10	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD21	10	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD22	10	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD23	10	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD11	10	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD12	10	0.11
(3,440)	1:B:18:ARG:HB3	1:B:22:LEU:HD13	10	0.11
(3,367)	1:B:98:LEU:HD11	1:B:98:LEU:HA	14	0.11
(3,367)	1:B:98:LEU:HD12	1:B:98:LEU:HA	14	0.11
(3,367)	1:B:98:LEU:HD13	1:B:98:LEU:HA	14	0.11
(3,367)	1:B:98:LEU:HD11	1:B:111:ARG:HA	14	0.11
(3,367)	1:B:98:LEU:HD12	1:B:111:ARG:HA	14	0.11
(3,367)	1:B:98:LEU:HD13	1:B:111:ARG:HA	14	0.11
(3,340)	1:B:63:VAL:HA	1:B:63:VAL:HB	11	0.11
(3,340)	1:B:110:SER:HB3	1:B:113:ARG:HB2	11	0.11
(3,1859)	1:B:8:THR:HG21	1:B:9:TRP:HE1	14	0.11
(3,1859)	1:B:8:THR:HG22	1:B:9:TRP:HE1	14	0.11
(3,1859)	1:B:8:THR:HG23	1:B:9:TRP:HE1	14	0.11
(3,1859)	1:B:42:THR:HG21	1:B:9:TRP:HE1	14	0.11
(3,1859)	1:B:42:THR:HG22	1:B:9:TRP:HE1	14	0.11
(3,1859)	1:B:42:THR:HG23	1:B:9:TRP:HE1	14	0.11
(3,1833)	1:B:9:TRP:HD1	1:B:53:HIS:HB2	11	0.11
(3,1833)	1:B:9:TRP:HD1	1:B:17:LEU:HB3	11	0.11
(3,1833)	1:B:9:TRP:HD1	1:B:49:GLN:HB3	11	0.11
(3,1829)	1:B:10:SER:HB2	1:B:10:SER:HB3	3	0.11
(3,1829)	1:B:10:SER:HB2	1:B:11:PRO:HD2	3	0.11
(3,1829)	1:B:10:SER:HB2	1:B:10:SER:HB3	16	0.11
(3,1829)	1:B:10:SER:HB2	1:B:11:PRO:HD2	16	0.11
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG11	20	0.11
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG12	20	0.11
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG13	20	0.11
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD11	20	0.11
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD12	20	0.11
(3,180)	1:B:83:GLU:H	1:B:82:LEU:HD13	20	0.11
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG21	20	0.11
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG22	20	0.11
(3,180)	1:B:69:LYS:H	1:B:63:VAL:HG23	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1768)	1:B:17:LEU:HD21	1:B:14:GLU:HA	11	0.11
(3,1768)	1:B:17:LEU:HD22	1:B:14:GLU:HA	11	0.11
(3,1768)	1:B:17:LEU:HD23	1:B:14:GLU:HA	11	0.11
(3,1768)	1:B:17:LEU:HD21	1:B:17:LEU:HA	11	0.11
(3,1768)	1:B:17:LEU:HD22	1:B:17:LEU:HA	11	0.11
(3,1768)	1:B:17:LEU:HD23	1:B:17:LEU:HA	11	0.11
(3,1768)	1:B:17:LEU:HD21	1:B:53:HIS:HA	11	0.11
(3,1768)	1:B:17:LEU:HD22	1:B:53:HIS:HA	11	0.11
(3,1768)	1:B:17:LEU:HD23	1:B:53:HIS:HA	11	0.11
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG11	11	0.11
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG12	11	0.11
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG13	11	0.11
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG11	11	0.11
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG12	11	0.11
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG13	11	0.11
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD11	11	0.11
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD12	11	0.11
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD13	11	0.11
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG11	15	0.11
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG12	15	0.11
(3,1752)	1:B:113:ARG:HD2	1:B:74:VAL:HG13	15	0.11
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG11	15	0.11
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG12	15	0.11
(3,1752)	1:B:113:ARG:HD3	1:B:74:VAL:HG13	15	0.11
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD11	15	0.11
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD12	15	0.11
(3,1752)	1:B:18:ARG:HD3	1:B:59:LEU:HD13	15	0.11
(3,1670)	1:B:32:VAL:HG21	1:B:22:LEU:H	9	0.11
(3,1670)	1:B:32:VAL:HG22	1:B:22:LEU:H	9	0.11
(3,1670)	1:B:32:VAL:HG23	1:B:22:LEU:H	9	0.11
(3,1670)	1:B:32:VAL:HG21	1:B:37:LEU:H	9	0.11
(3,1670)	1:B:32:VAL:HG22	1:B:37:LEU:H	9	0.11
(3,1670)	1:B:32:VAL:HG23	1:B:37:LEU:H	9	0.11
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD11	11	0.11
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD12	11	0.11
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HD13	11	0.11
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG21	11	0.11
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG22	11	0.11
(3,1655)	1:B:33:VAL:HA	1:B:33:VAL:HG23	11	0.11
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG21	11	0.11
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG22	11	0.11
(3,1655)	1:B:33:VAL:HA	1:B:36:ILE:HG23	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1612)	1:B:75:LEU:HG	1:B:76:TRP:HD1	11	0.11
(3,1612)	1:B:119:LEU:HG	1:B:131:TYR:H	11	0.11
(3,1570)	1:B:40:LEU:HB3	1:B:37:LEU:HA	7	0.11
(3,1570)	1:B:40:LEU:HB3	1:B:17:LEU:HA	7	0.11
(3,1565)	1:B:40:LEU:HB2	1:B:41:ASN:HB3	4	0.11
(3,1565)	1:B:40:LEU:HB2	1:B:45:ARG:HD3	4	0.11
(3,1565)	1:B:22:LEU:HB2	1:B:26:ASP:HB2	4	0.11
(3,1565)	1:B:40:LEU:HB2	1:B:53:HIS:HB3	4	0.11
(3,1531)	1:B:77:THR:HG21	1:B:80:GLN:HB3	15	0.11
(3,1531)	1:B:77:THR:HG22	1:B:80:GLN:HB3	15	0.11
(3,1531)	1:B:77:THR:HG23	1:B:80:GLN:HB3	15	0.11
(3,1531)	1:B:46:THR:HG21	1:B:49:GLN:HG2	15	0.11
(3,1531)	1:B:46:THR:HG22	1:B:49:GLN:HG2	15	0.11
(3,1531)	1:B:46:THR:HG23	1:B:49:GLN:HG2	15	0.11
(3,1528)	1:B:46:THR:HB	1:B:45:ARG:HG2	16	0.11
(3,1528)	1:B:46:THR:HB	1:B:48:LYS:HG3	16	0.11
(3,1477)	1:B:50:ILE:HG12	1:B:50:ILE:H	12	0.11
(3,1477)	1:B:50:ILE:HG12	1:B:51:ILE:H	12	0.11
(3,145)	1:B:66:PHE:H	1:B:65:ASP:HB3	11	0.11
(3,145)	1:B:66:PHE:H	1:B:67:GLN:HG2	11	0.11
(3,145)	1:B:66:PHE:H	1:B:67:GLN:HG3	11	0.11
(3,1392)	1:B:54:LEU:HD11	1:B:57:MET:H	15	0.11
(3,1392)	1:B:54:LEU:HD12	1:B:57:MET:H	15	0.11
(3,1392)	1:B:54:LEU:HD13	1:B:57:MET:H	15	0.11
(3,1392)	1:B:54:LEU:HD11	1:B:62:SER:H	15	0.11
(3,1392)	1:B:54:LEU:HD12	1:B:62:SER:H	15	0.11
(3,1392)	1:B:54:LEU:HD13	1:B:62:SER:H	15	0.11
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	1	0.11
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	1	0.11
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	1	0.11
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	1	0.11
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	1	0.11
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	1	0.11
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	1	0.11
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	1	0.11
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	1	0.11
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	11	0.11
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	11	0.11
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	11	0.11
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	11	0.11
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	11	0.11
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	11	0.11
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	11	0.11
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	11	0.11
(3,1387)	1:B:54:LEU:HD21	1:B:53:HIS:HA	12	0.11
(3,1387)	1:B:54:LEU:HD22	1:B:53:HIS:HA	12	0.11
(3,1387)	1:B:54:LEU:HD23	1:B:53:HIS:HA	12	0.11
(3,1387)	1:B:54:LEU:HD21	1:B:55:VAL:HA	12	0.11
(3,1387)	1:B:54:LEU:HD22	1:B:55:VAL:HA	12	0.11
(3,1387)	1:B:54:LEU:HD23	1:B:55:VAL:HA	12	0.11
(3,1387)	1:B:54:LEU:HD21	1:B:57:MET:HA	12	0.11
(3,1387)	1:B:54:LEU:HD22	1:B:57:MET:HA	12	0.11
(3,1387)	1:B:54:LEU:HD23	1:B:57:MET:HA	12	0.11
(3,1338)	1:B:57:MET:HE1	1:B:57:MET:HB3	19	0.11
(3,1338)	1:B:57:MET:HE2	1:B:57:MET:HB3	19	0.11
(3,1338)	1:B:57:MET:HE3	1:B:57:MET:HB3	19	0.11
(3,1338)	1:B:57:MET:HE1	1:B:18:ARG:HG3	19	0.11
(3,1338)	1:B:57:MET:HE2	1:B:18:ARG:HG3	19	0.11
(3,1338)	1:B:57:MET:HE3	1:B:18:ARG:HG3	19	0.11
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE1	3	0.11
(3,1319)	1:B:37:LEU:HD21	1:B:66:PHE:HE2	3	0.11
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE1	3	0.11
(3,1319)	1:B:37:LEU:HD22	1:B:66:PHE:HE2	3	0.11
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE1	3	0.11
(3,1319)	1:B:37:LEU:HD23	1:B:66:PHE:HE2	3	0.11
(3,1319)	1:B:37:LEU:HD21	1:B:52:HIS:HD2	3	0.11
(3,1319)	1:B:37:LEU:HD22	1:B:52:HIS:HD2	3	0.11
(3,1319)	1:B:37:LEU:HD23	1:B:52:HIS:HD2	3	0.11
(3,1289)	1:B:31:ASP:HB2	1:B:30:GLN:HG2	6	0.11
(3,1289)	1:B:31:ASP:HB2	1:B:36:ILE:HB	6	0.11
(3,1288)	1:B:31:ASP:HB2	1:B:37:LEU:HG	9	0.11
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD3	9	0.11
(3,1288)	1:B:61:ASP:HB2	1:B:64:LYS:HD2	9	0.11
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD3	9	0.11
(3,1288)	1:B:61:ASP:HB3	1:B:64:LYS:HD2	9	0.11
(3,1276)	1:B:63:VAL:HG21	1:B:67:GLN:HE22	19	0.11
(3,1276)	1:B:63:VAL:HG22	1:B:67:GLN:HE22	19	0.11
(3,1276)	1:B:63:VAL:HG23	1:B:67:GLN:HE22	19	0.11
(3,1276)	1:B:63:VAL:HG21	1:B:66:PHE:HZ	19	0.11
(3,1276)	1:B:63:VAL:HG22	1:B:66:PHE:HZ	19	0.11
(3,1276)	1:B:63:VAL:HG23	1:B:66:PHE:HZ	19	0.11
(3,1247)	1:B:89:GLU:HB3	1:B:90:GLU:HB3	4	0.11
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG3	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1247)	1:B:67:GLN:HB3	1:B:64:LYS:HG2	4	0.11
(3,1243)	1:B:70:GLY:HA3	1:B:63:VAL:HB	13	0.11
(3,1243)	1:B:70:GLY:HA2	1:B:63:VAL:HB	13	0.11
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB2	13	0.11
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HG3	13	0.11
(3,1243)	1:B:122:GLY:HA2	1:B:115:VAL:HB	13	0.11
(3,1243)	1:B:122:GLY:HA2	1:B:126:GLU:HB2	13	0.11
(3,1243)	1:B:70:GLY:HA2	1:B:85:GLN:HB2	13	0.11
(3,1243)	1:B:70:GLY:HA3	1:B:85:GLN:HB2	13	0.11
(3,1243)	1:B:122:GLY:HA2	1:B:85:GLN:HB3	13	0.11
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB3	3	0.11
(3,1242)	1:B:70:GLY:HA2	1:B:69:LYS:HB2	3	0.11
(3,1242)	1:B:122:GLY:HA2	1:B:119:LEU:HB2	3	0.11
(3,1201)	1:B:73:ILE:HB	1:B:76:TRP:H	8	0.11
(3,1201)	1:B:73:ILE:HB	1:B:81:GLU:H	8	0.11
(3,1196)	1:B:73:ILE:HD11	1:B:71:THR:HB	2	0.11
(3,1196)	1:B:73:ILE:HD12	1:B:71:THR:HB	2	0.11
(3,1196)	1:B:73:ILE:HD13	1:B:71:THR:HB	2	0.11
(3,1196)	1:B:73:ILE:HD11	1:B:73:ILE:HA	2	0.11
(3,1196)	1:B:73:ILE:HD12	1:B:73:ILE:HA	2	0.11
(3,1196)	1:B:73:ILE:HD13	1:B:73:ILE:HA	2	0.11
(3,1196)	1:B:73:ILE:HD11	1:B:71:THR:HB	5	0.11
(3,1196)	1:B:73:ILE:HD12	1:B:71:THR:HB	5	0.11
(3,1196)	1:B:73:ILE:HD13	1:B:71:THR:HB	5	0.11
(3,1196)	1:B:73:ILE:HD11	1:B:73:ILE:HA	5	0.11
(3,1196)	1:B:73:ILE:HD12	1:B:73:ILE:HA	5	0.11
(3,1196)	1:B:73:ILE:HD13	1:B:73:ILE:HA	5	0.11
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	6	0.11
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	6	0.11
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	6	0.11
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	6	0.11
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	6	0.11
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	6	0.11
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	8	0.11
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	8	0.11
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	8	0.11
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	8	0.11
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	8	0.11
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	8	0.11
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	9	0.11
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	9	0.11
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	9	0.11
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	9	0.11
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	9	0.11
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	15	0.11
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	15	0.11
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	15	0.11
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	15	0.11
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	15	0.11
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	15	0.11
(3,1187)	1:B:73:ILE:HD11	1:B:73:ILE:HB	20	0.11
(3,1187)	1:B:73:ILE:HD12	1:B:73:ILE:HB	20	0.11
(3,1187)	1:B:73:ILE:HD13	1:B:73:ILE:HB	20	0.11
(3,1187)	1:B:73:ILE:HD11	1:B:81:GLU:HB2	20	0.11
(3,1187)	1:B:73:ILE:HD12	1:B:81:GLU:HB2	20	0.11
(3,1187)	1:B:73:ILE:HD13	1:B:81:GLU:HB2	20	0.11
(3,1186)	1:B:73:ILE:HD11	1:B:84:LEU:HB3	17	0.11
(3,1186)	1:B:73:ILE:HD12	1:B:84:LEU:HB3	17	0.11
(3,1186)	1:B:73:ILE:HD13	1:B:84:LEU:HB3	17	0.11
(3,1186)	1:B:73:ILE:HD11	1:B:74:VAL:HB	17	0.11
(3,1186)	1:B:73:ILE:HD12	1:B:74:VAL:HB	17	0.11
(3,1186)	1:B:73:ILE:HD13	1:B:74:VAL:HB	17	0.11
(3,1137)	1:B:76:TRP:HB2	1:B:81:GLU:HB3	1	0.11
(3,1137)	1:B:76:TRP:HB2	1:B:84:LEU:HB3	1	0.11
(3,1137)	1:B:52:HIS:HB3	1:B:55:VAL:HB	1	0.11
(3,1137)	1:B:76:TRP:HB2	1:B:74:VAL:HB	1	0.11
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD11	3	0.11
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD12	3	0.11
(3,1117)	1:B:54:LEU:HB3	1:B:59:LEU:HD13	3	0.11
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG11	3	0.11
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG12	3	0.11
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG13	3	0.11
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG21	3	0.11
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG22	3	0.11
(3,1117)	1:B:54:LEU:HB3	1:B:55:VAL:HG23	3	0.11
(3,1006)	1:B:19:GLU:HG3	1:B:18:ARG:H	17	0.11
(3,1006)	1:B:19:GLU:HG3	1:B:16:HIS:HE1	17	0.11
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD11	6	0.11
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD12	6	0.11
(2,56)	1:B:39:HIS:HE1	1:B:20:LEU:HD13	6	0.11
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	1	0.11
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	2	0.11
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:B:24:ASN:H	1:B:30:GLN:HE21	13	0.11
(2,16)	1:B:3:SER:HB3	1:B:44:PRO:HA	10	0.11
(2,15)	1:B:111:ARG:HE	1:B:101:ILE:HB	18	0.11
(2,10)	1:B:104:ASN:H	1:B:100:HIS:H	5	0.11
(2,10)	1:B:104:ASN:H	1:B:100:HIS:H	19	0.11
(1,993)	1:B:129:GLU:HB3	1:B:124:VAL:HG21	6	0.11
(1,993)	1:B:129:GLU:HB3	1:B:124:VAL:HG22	6	0.11
(1,993)	1:B:129:GLU:HB3	1:B:124:VAL:HG23	6	0.11
(1,979)	1:B:82:LEU:HD21	1:B:83:GLU:HA	12	0.11
(1,979)	1:B:82:LEU:HD22	1:B:83:GLU:HA	12	0.11
(1,979)	1:B:82:LEU:HD23	1:B:83:GLU:HA	12	0.11
(1,978)	1:B:82:LEU:HD11	1:B:79:ASP:HA	15	0.11
(1,978)	1:B:82:LEU:HD12	1:B:79:ASP:HA	15	0.11
(1,978)	1:B:82:LEU:HD13	1:B:79:ASP:HA	15	0.11
(1,966)	1:B:131:TYR:HD1	1:B:130:LEU:H	13	0.11
(1,966)	1:B:131:TYR:HD2	1:B:130:LEU:H	13	0.11
(1,929)	1:B:67:GLN:HG2	1:B:51:ILE:HG12	19	0.11
(1,929)	1:B:67:GLN:HG3	1:B:51:ILE:HG12	19	0.11
(1,875)	1:B:33:VAL:HG11	1:B:35:ALA:H	10	0.11
(1,875)	1:B:33:VAL:HG12	1:B:35:ALA:H	10	0.11
(1,875)	1:B:33:VAL:HG13	1:B:35:ALA:H	10	0.11
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB1	10	0.11
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB2	10	0.11
(1,855)	1:B:141:SER:HB2	1:B:125:ALA:HB3	10	0.11
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB1	10	0.11
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB2	10	0.11
(1,855)	1:B:141:SER:HB3	1:B:125:ALA:HB3	10	0.11
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG21	20	0.11
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG22	20	0.11
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG23	20	0.11
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG11	20	0.11
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG12	20	0.11
(1,838)	1:B:45:ARG:HE	1:B:43:VAL:HG13	20	0.11
(1,831)	1:B:80:GLN:HE21	1:B:80:GLN:HB3	2	0.11
(1,831)	1:B:80:GLN:HE21	1:B:80:GLN:HB3	13	0.11
(1,831)	1:B:80:GLN:HE21	1:B:80:GLN:HB3	14	0.11
(1,798)	1:B:131:TYR:H	1:B:131:TYR:HB2	17	0.11
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	7	0.11
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	7	0.11
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	7	0.11
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD21	16	0.11
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD22	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:B:123:LEU:H	1:B:130:LEU:HD23	16	0.11
(1,662)	1:B:106:THR:H	1:B:105:ILE:HG13	15	0.11
(1,662)	1:B:106:THR:H	1:B:105:ILE:HG13	20	0.11
(1,617)	1:B:96:ASP:H	1:B:100:HIS:HD2	15	0.11
(1,594)	1:B:93:ASP:H	1:B:93:ASP:HB2	1	0.11
(1,54)	1:B:13:GLU:H	1:B:12:GLU:HB3	10	0.11
(1,491)	1:B:77:THR:H	1:B:80:GLN:HB3	19	0.11
(1,467)	1:B:73:ILE:H	1:B:72:HIS:HE1	8	0.11
(1,431)	1:B:67:GLN:H	1:B:64:LYS:HB3	2	0.11
(1,425)	1:B:66:PHE:H	1:B:67:GLN:HB2	12	0.11
(1,335)	1:B:53:HIS:H	1:B:56:GLN:HB3	13	0.11
(1,2760)	1:B:128:ARG:HB2	1:B:131:TYR:HE1	14	0.11
(1,2760)	1:B:128:ARG:HB2	1:B:131:TYR:HE2	14	0.11
(1,2760)	1:B:128:ARG:HB3	1:B:131:TYR:HE1	14	0.11
(1,2760)	1:B:128:ARG:HB3	1:B:131:TYR:HE2	14	0.11
(1,2759)	1:B:88:PHE:HZ	1:B:89:GLU:HG3	5	0.11
(1,2759)	1:B:88:PHE:HZ	1:B:89:GLU:HG3	18	0.11
(1,2754)	1:B:109:ARG:HD2	1:B:114:ILE:H	11	0.11
(1,2754)	1:B:109:ARG:HD2	1:B:114:ILE:H	14	0.11
(1,2721)	1:B:57:MET:HA	1:B:60:ALA:H	14	0.11
(1,2711)	1:B:87:LEU:HD21	1:B:101:ILE:HA	5	0.11
(1,2711)	1:B:87:LEU:HD22	1:B:101:ILE:HA	5	0.11
(1,2711)	1:B:87:LEU:HD23	1:B:101:ILE:HA	5	0.11
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG3	16	0.11
(1,2689)	1:B:5:ARG:HB2	1:B:5:ARG:HG2	16	0.11
(1,2662)	1:B:42:THR:HG21	1:B:44:PRO:HD2	3	0.11
(1,2662)	1:B:42:THR:HG22	1:B:44:PRO:HD2	3	0.11
(1,2662)	1:B:42:THR:HG23	1:B:44:PRO:HD2	3	0.11
(1,2662)	1:B:42:THR:HG21	1:B:44:PRO:HD2	16	0.11
(1,2662)	1:B:42:THR:HG22	1:B:44:PRO:HD2	16	0.11
(1,2662)	1:B:42:THR:HG23	1:B:44:PRO:HD2	16	0.11
(1,2658)	1:B:8:THR:HB	1:B:9:TRP:HD1	18	0.11
(1,2610)	1:B:12:GLU:HG2	1:B:12:GLU:HB3	12	0.11
(1,2610)	1:B:12:GLU:HG2	1:B:12:GLU:HB3	20	0.11
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD21	16	0.11
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD22	16	0.11
(1,2584)	1:B:16:HIS:HD2	1:B:20:LEU:HD23	16	0.11
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG21	4	0.11
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG22	4	0.11
(1,2583)	1:B:16:HIS:HD2	1:B:42:THR:HG23	4	0.11
(1,248)	1:B:40:LEU:H	1:B:37:LEU:HA	17	0.11
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	8	0.11
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	8	0.11
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	8	0.11
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	8	0.11
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	8	0.11
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	8	0.11
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	8	0.11
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	8	0.11
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD11	15	0.11
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD12	15	0.11
(1,2395)	1:B:35:ALA:HB1	1:B:20:LEU:HD13	15	0.11
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD11	15	0.11
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD12	15	0.11
(1,2395)	1:B:35:ALA:HB2	1:B:20:LEU:HD13	15	0.11
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD11	15	0.11
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD12	15	0.11
(1,2395)	1:B:35:ALA:HB3	1:B:20:LEU:HD13	15	0.11
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD11	7	0.11
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD12	7	0.11
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD13	7	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD11	7	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD12	7	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD13	7	0.11
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD11	7	0.11
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD12	7	0.11
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD13	7	0.11
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD11	14	0.11
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD12	14	0.11
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD13	14	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD11	14	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD12	14	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD13	14	0.11
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD11	14	0.11
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD12	14	0.11
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD13	14	0.11
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD11	17	0.11
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD12	17	0.11
(1,2394)	1:B:35:ALA:HB1	1:B:54:LEU:HD13	17	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD11	17	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD12	17	0.11
(1,2394)	1:B:35:ALA:HB2	1:B:54:LEU:HD13	17	0.11
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD11	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD12	17	0.11
(1,2394)	1:B:35:ALA:HB3	1:B:54:LEU:HD13	17	0.11
(1,2352)	1:B:16:HIS:HE1	1:B:39:HIS:HB2	20	0.11
(1,223)	1:B:37:LEU:H	1:B:37:LEU:HG	1	0.11
(1,2229)	1:B:45:ARG:HD2	1:B:43:VAL:HB	11	0.11
(1,2196)	1:B:49:GLN:HG2	1:B:46:THR:HG21	6	0.11
(1,2196)	1:B:49:GLN:HG2	1:B:46:THR:HG22	6	0.11
(1,2196)	1:B:49:GLN:HG2	1:B:46:THR:HG23	6	0.11
(1,2155)	1:B:51:ILE:HG21	1:B:56:GLN:HE21	8	0.11
(1,2155)	1:B:51:ILE:HG22	1:B:56:GLN:HE21	8	0.11
(1,2155)	1:B:51:ILE:HG23	1:B:56:GLN:HE21	8	0.11
(1,2116)	1:B:52:HIS:HE1	1:B:63:VAL:HG11	12	0.11
(1,2116)	1:B:52:HIS:HE1	1:B:63:VAL:HG12	12	0.11
(1,2116)	1:B:52:HIS:HE1	1:B:63:VAL:HG13	12	0.11
(1,2116)	1:B:52:HIS:HE1	1:B:63:VAL:HG21	12	0.11
(1,2116)	1:B:52:HIS:HE1	1:B:63:VAL:HG22	12	0.11
(1,2116)	1:B:52:HIS:HE1	1:B:63:VAL:HG23	12	0.11
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	2	0.11
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	2	0.11
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	2	0.11
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	3	0.11
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	3	0.11
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	3	0.11
(1,2088)	1:B:54:LEU:HD21	1:B:59:LEU:HA	15	0.11
(1,2088)	1:B:54:LEU:HD22	1:B:59:LEU:HA	15	0.11
(1,2088)	1:B:54:LEU:HD23	1:B:59:LEU:HA	15	0.11
(1,2061)	1:B:56:GLN:HB3	1:B:54:LEU:H	8	0.11
(1,1977)	1:B:60:ALA:HB1	1:B:66:PHE:HZ	2	0.11
(1,1977)	1:B:60:ALA:HB2	1:B:66:PHE:HZ	2	0.11
(1,1977)	1:B:60:ALA:HB3	1:B:66:PHE:HZ	2	0.11
(1,1957)	1:B:61:ASP:HA	1:B:62:SER:HB3	18	0.11
(1,1847)	1:B:73:ILE:HD11	1:B:81:GLU:HG2	17	0.11
(1,1847)	1:B:73:ILE:HD12	1:B:81:GLU:HG2	17	0.11
(1,1847)	1:B:73:ILE:HD13	1:B:81:GLU:HG2	17	0.11
(1,1844)	1:B:73:ILE:HD11	1:B:80:GLN:HE21	3	0.11
(1,1844)	1:B:73:ILE:HD12	1:B:80:GLN:HE21	3	0.11
(1,1844)	1:B:73:ILE:HD13	1:B:80:GLN:HE21	3	0.11
(1,1844)	1:B:73:ILE:HD11	1:B:80:GLN:HE21	13	0.11
(1,1844)	1:B:73:ILE:HD12	1:B:80:GLN:HE21	13	0.11
(1,1844)	1:B:73:ILE:HD13	1:B:80:GLN:HE21	13	0.11
(1,1809)	1:B:74:VAL:HG11	1:B:113:ARG:HD2	11	0.11
(1,1809)	1:B:74:VAL:HG12	1:B:113:ARG:HD2	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1809)	1:B:74:VAL:HG13	1:B:113:ARG:HD2	11	0.11
(1,1809)	1:B:74:VAL:HG11	1:B:113:ARG:HD3	11	0.11
(1,1809)	1:B:74:VAL:HG12	1:B:113:ARG:HD3	11	0.11
(1,1809)	1:B:74:VAL:HG13	1:B:113:ARG:HD3	11	0.11
(1,1809)	1:B:74:VAL:HG11	1:B:113:ARG:HD2	15	0.11
(1,1809)	1:B:74:VAL:HG12	1:B:113:ARG:HD2	15	0.11
(1,1809)	1:B:74:VAL:HG13	1:B:113:ARG:HD2	15	0.11
(1,1809)	1:B:74:VAL:HG11	1:B:113:ARG:HD3	15	0.11
(1,1809)	1:B:74:VAL:HG12	1:B:113:ARG:HD3	15	0.11
(1,1809)	1:B:74:VAL:HG13	1:B:113:ARG:HD3	15	0.11
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD1	1	0.11
(1,1762)	1:B:37:LEU:HG	1:B:66:PHE:HD2	1	0.11
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB1	5	0.11
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB2	5	0.11
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB3	5	0.11
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB1	13	0.11
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB2	13	0.11
(1,1758)	1:B:12:GLU:HG2	1:B:15:ALA:HB3	13	0.11
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE2	15	0.11
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE2	15	0.11
(1,1632)	1:B:45:ARG:HB2	1:B:48:LYS:HE3	15	0.11
(1,1632)	1:B:45:ARG:HB3	1:B:48:LYS:HE3	15	0.11
(1,1609)	1:B:66:PHE:HD1	1:B:51:ILE:HG12	11	0.11
(1,1609)	1:B:66:PHE:HD2	1:B:51:ILE:HG12	11	0.11
(1,1592)	1:B:92:ARG:HD3	1:B:88:PHE:HE1	15	0.11
(1,1592)	1:B:92:ARG:HD3	1:B:88:PHE:HE2	15	0.11
(1,1558)	1:B:92:ARG:HD2	1:B:89:GLU:HB2	8	0.11
(1,1509)	1:B:98:LEU:HD21	1:B:101:ILE:H	20	0.11
(1,1509)	1:B:98:LEU:HD22	1:B:101:ILE:H	20	0.11
(1,1509)	1:B:98:LEU:HD23	1:B:101:ILE:H	20	0.11
(1,1444)	1:B:102:MET:HG2	1:B:102:MET:H	3	0.11
(1,1444)	1:B:102:MET:HG2	1:B:102:MET:H	17	0.11
(1,1443)	1:B:102:MET:HE1	1:B:103:LYS:H	20	0.11
(1,1443)	1:B:102:MET:HE2	1:B:103:LYS:H	20	0.11
(1,1443)	1:B:102:MET:HE3	1:B:103:LYS:H	20	0.11
(1,1422)	1:B:105:ILE:HG21	1:B:109:ARG:HD3	14	0.11
(1,1422)	1:B:105:ILE:HG22	1:B:109:ARG:HD3	14	0.11
(1,1422)	1:B:105:ILE:HG23	1:B:109:ARG:HD3	14	0.11
(1,1311)	1:B:110:SER:HA	1:B:102:MET:HG3	12	0.11
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD21	10	0.11
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD22	10	0.11
(1,1293)	1:B:114:ILE:HD11	1:B:84:LEU:HD23	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD21	10	0.11
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD22	10	0.11
(1,1293)	1:B:114:ILE:HD12	1:B:84:LEU:HD23	10	0.11
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD21	10	0.11
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD22	10	0.11
(1,1293)	1:B:114:ILE:HD13	1:B:84:LEU:HD23	10	0.11
(1,1268)	1:B:114:ILE:HG21	1:B:111:ARG:HA	9	0.11
(1,1268)	1:B:114:ILE:HG22	1:B:111:ARG:HA	9	0.11
(1,1268)	1:B:114:ILE:HG23	1:B:111:ARG:HA	9	0.11
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD11	4	0.11
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD12	4	0.11
(1,1264)	1:B:114:ILE:HG21	1:B:118:LEU:HD13	4	0.11
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD11	4	0.11
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD12	4	0.11
(1,1264)	1:B:114:ILE:HG22	1:B:118:LEU:HD13	4	0.11
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD11	4	0.11
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD12	4	0.11
(1,1264)	1:B:114:ILE:HG23	1:B:118:LEU:HD13	4	0.11
(1,1252)	1:B:63:VAL:HG11	1:B:64:LYS:H	8	0.11
(1,1252)	1:B:63:VAL:HG12	1:B:64:LYS:H	8	0.11
(1,1252)	1:B:63:VAL:HG13	1:B:64:LYS:H	8	0.11
(1,1249)	1:B:27:VAL:HG11	1:B:28:GLU:H	11	0.11
(1,1249)	1:B:27:VAL:HG12	1:B:28:GLU:H	11	0.11
(1,1249)	1:B:27:VAL:HG13	1:B:28:GLU:H	11	0.11
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	3	0.11
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	3	0.11
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	3	0.11
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	9	0.11
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	9	0.11
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	9	0.11
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	10	0.11
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	10	0.11
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	10	0.11
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	11	0.11
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	11	0.11
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	11	0.11
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	12	0.11
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	12	0.11
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	12	0.11
(1,1248)	1:B:22:LEU:HD21	1:B:18:ARG:H	15	0.11
(1,1248)	1:B:22:LEU:HD22	1:B:18:ARG:H	15	0.11
(1,1248)	1:B:22:LEU:HD23	1:B:18:ARG:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:B:87:LEU:HD11	1:B:104:ASN:H	3	0.11
(1,1246)	1:B:87:LEU:HD12	1:B:104:ASN:H	3	0.11
(1,1246)	1:B:87:LEU:HD13	1:B:104:ASN:H	3	0.11
(1,1239)	1:B:63:VAL:HB	1:B:66:PHE:HD1	12	0.11
(1,1239)	1:B:63:VAL:HB	1:B:66:PHE:HD2	12	0.11
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	1	0.11
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	5	0.11
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	8	0.11
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	11	0.11
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	14	0.11
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	16	0.11
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	17	0.11
(1,1183)	1:B:119:LEU:HG	1:B:119:LEU:HA	18	0.11
(1,1171)	1:B:119:LEU:HD21	1:B:116:ASP:HB3	10	0.11
(1,1171)	1:B:119:LEU:HD22	1:B:116:ASP:HB3	10	0.11
(1,1171)	1:B:119:LEU:HD23	1:B:116:ASP:HB3	10	0.11
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG11	5	0.11
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG12	5	0.11
(1,1162)	1:B:119:LEU:HD11	1:B:124:VAL:HG13	5	0.11
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG11	5	0.11
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG12	5	0.11
(1,1162)	1:B:119:LEU:HD12	1:B:124:VAL:HG13	5	0.11
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG11	5	0.11
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG12	5	0.11
(1,1162)	1:B:119:LEU:HD13	1:B:124:VAL:HG13	5	0.11
(1,1137)	1:B:121:LEU:HD11	1:B:121:LEU:HB3	1	0.11
(1,1137)	1:B:121:LEU:HD12	1:B:121:LEU:HB3	1	0.11
(1,1137)	1:B:121:LEU:HD13	1:B:121:LEU:HB3	1	0.11
(1,1137)	1:B:121:LEU:HD11	1:B:121:LEU:HB3	3	0.11
(1,1137)	1:B:121:LEU:HD12	1:B:121:LEU:HB3	3	0.11
(1,1137)	1:B:121:LEU:HD13	1:B:121:LEU:HB3	3	0.11
(1,1137)	1:B:121:LEU:HD11	1:B:121:LEU:HB3	7	0.11
(1,1137)	1:B:121:LEU:HD12	1:B:121:LEU:HB3	7	0.11
(1,1137)	1:B:121:LEU:HD13	1:B:121:LEU:HB3	7	0.11
(1,1137)	1:B:121:LEU:HD11	1:B:121:LEU:HB3	10	0.11
(1,1137)	1:B:121:LEU:HD12	1:B:121:LEU:HB3	10	0.11
(1,1137)	1:B:121:LEU:HD13	1:B:121:LEU:HB3	10	0.11
(1,1137)	1:B:121:LEU:HD11	1:B:121:LEU:HB3	12	0.11
(1,1137)	1:B:121:LEU:HD12	1:B:121:LEU:HB3	12	0.11
(1,1137)	1:B:121:LEU:HD13	1:B:121:LEU:HB3	12	0.11
(1,1137)	1:B:121:LEU:HD11	1:B:121:LEU:HB3	13	0.11
(1,1137)	1:B:121:LEU:HD12	1:B:121:LEU:HB3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:B:121:LEU:HD13	1:B:121:LEU:HB3	13	0.11
(1,1137)	1:B:121:LEU:HD11	1:B:121:LEU:HB3	15	0.11
(1,1137)	1:B:121:LEU:HD12	1:B:121:LEU:HB3	15	0.11
(1,1137)	1:B:121:LEU:HD13	1:B:121:LEU:HB3	15	0.11
(1,1137)	1:B:121:LEU:HD11	1:B:121:LEU:HB3	16	0.11
(1,1137)	1:B:121:LEU:HD12	1:B:121:LEU:HB3	16	0.11
(1,1137)	1:B:121:LEU:HD13	1:B:121:LEU:HB3	16	0.11
(1,1137)	1:B:121:LEU:HD11	1:B:121:LEU:HB3	19	0.11
(1,1137)	1:B:121:LEU:HD12	1:B:121:LEU:HB3	19	0.11
(1,1137)	1:B:121:LEU:HD13	1:B:121:LEU:HB3	19	0.11
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	10	0.11
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	10	0.11
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	10	0.11
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	10	0.11
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	10	0.11
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	10	0.11
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	10	0.11
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	10	0.11
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	10	0.11
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB1	16	0.11
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB2	16	0.11
(1,1101)	1:B:55:VAL:HG21	1:B:60:ALA:HB3	16	0.11
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB1	16	0.11
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB2	16	0.11
(1,1101)	1:B:55:VAL:HG22	1:B:60:ALA:HB3	16	0.11
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB1	16	0.11
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB2	16	0.11
(1,1101)	1:B:55:VAL:HG23	1:B:60:ALA:HB3	16	0.11
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB2	1	0.11
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB2	1	0.11
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB2	1	0.11
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB3	1	0.11
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB3	1	0.11
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB3	1	0.11
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB2	9	0.11
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB2	9	0.11
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB2	9	0.11
(1,1099)	1:B:55:VAL:HG21	1:B:61:ASP:HB3	9	0.11
(1,1099)	1:B:55:VAL:HG22	1:B:61:ASP:HB3	9	0.11
(1,1099)	1:B:55:VAL:HG23	1:B:61:ASP:HB3	9	0.11
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD3	4	0.11
(1,1020)	1:B:126:GLU:HB3	1:B:128:ARG:HD2	4	0.11

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

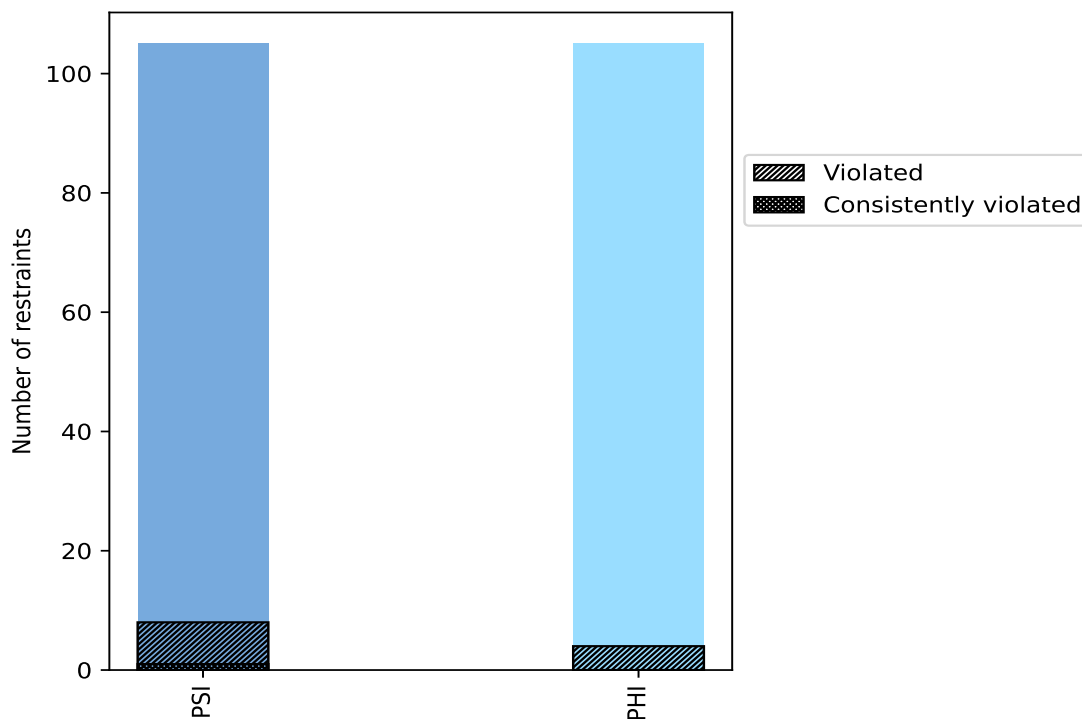
### 10.1 Summary of dihedral-angle violations [i](#)

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	% <sup>1</sup>	Violated <sup>3</sup>			Consistently Violated <sup>4</sup>		
			Count	% <sup>2</sup>	% <sup>1</sup>	Count	% <sup>2</sup>	% <sup>1</sup>
PSI	105	50.0	8	7.6	3.8	1	1.0	0.5
PHI	105	50.0	4	3.8	1.9	0	0.0	0.0
Total	210	100.0	12	5.7	5.7	1	0.5	0.5

<sup>1</sup> percentage calculated with respect to total number of dihedral-angle restraints, <sup>2</sup> percentage calculated with respect to number of restraints in a particular dihedral-angle type, <sup>3</sup> violated in at least one model, <sup>4</sup> 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

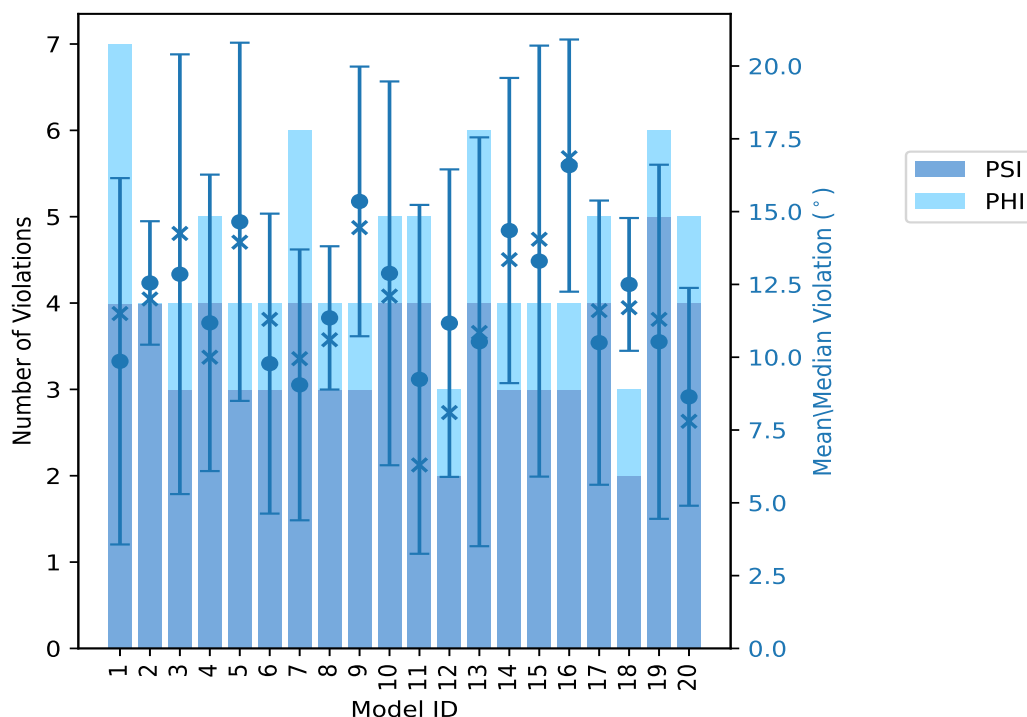
## 10.2 Dihedral-angle violation statistics for each model

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 (°)
	PSI	PHI	Total				
1	4	3	7	9.86	21.0	6.29	11.5
2	4	0	4	12.55	16.0	2.12	12.0
3	3	1	4	12.85	21.7	7.55	14.25
4	4	1	5	11.18	16.9	5.09	10.0
5	3	1	4	14.65	23.4	6.15	13.95
6	3	1	4	9.78	15.1	5.15	11.3
7	4	2	6	9.05	15.7	4.65	9.95
8	3	1	4	11.35	15.4	2.46	10.6
9	3	1	4	15.35	22.0	4.63	14.45
10	4	1	5	12.88	23.0	6.59	12.1
11	4	1	5	9.24	19.5	5.99	6.3
12	2	1	3	11.17	18.6	5.28	8.1
13	4	2	6	10.53	22.4	7.02	10.85
14	3	1	4	14.35	21.9	5.24	13.35
15	3	1	4	13.3	22.8	7.4	14.05
16	3	1	4	16.58	21.6	4.33	16.85
17	4	1	5	10.5	16.4	4.88	11.6
18	2	1	3	12.5	15.6	2.28	11.7
19	5	1	6	10.53	18.8	6.08	11.3
20	4	1	5	8.64	12.8	3.74	7.8



### 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	
PSI	PHI	Total	Count <sup>1</sup>	%
3	2	5	1	5.0
0	1	1	2	10.0
1	0	1	3	15.0
0	0	0	4	20.0
0	0	0	5	25.0
1	0	1	6	30.0
0	0	0	7	35.0
0	0	0	8	40.0
0	0	0	9	45.0
0	0	0	10	50.0
0	0	0	11	55.0

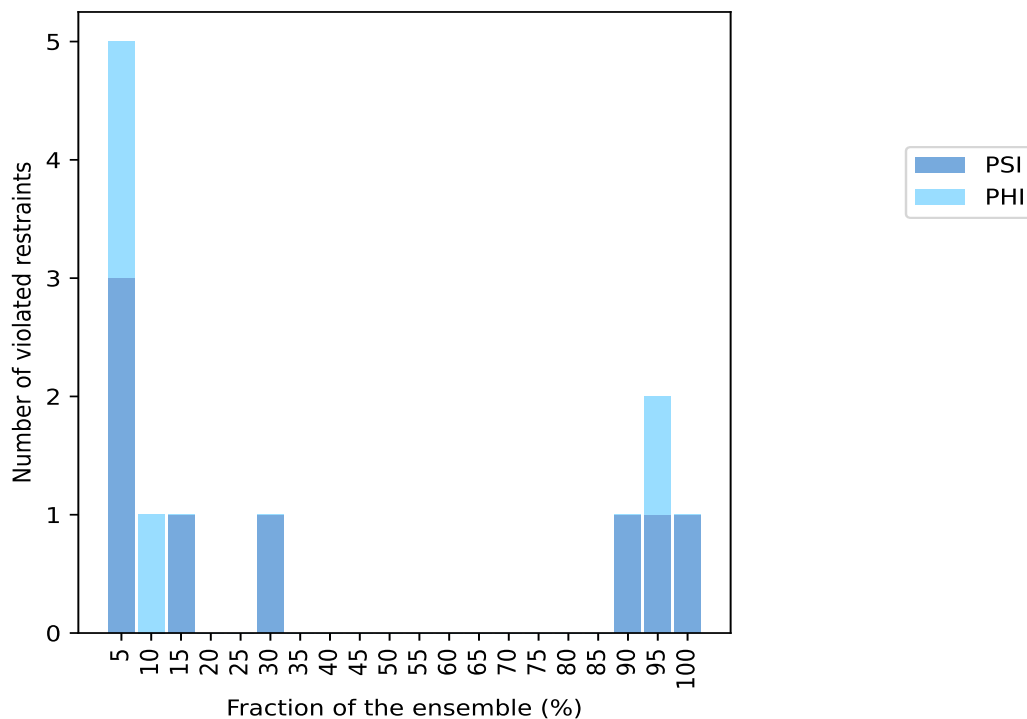
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count <sup>1</sup>	%
0	0	0	12	60.0
0	0	0	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
1	0	1	18	90.0
1	1	2	19	95.0
1	0	1	20	100.0

<sup>1</sup> Number of models with violations

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

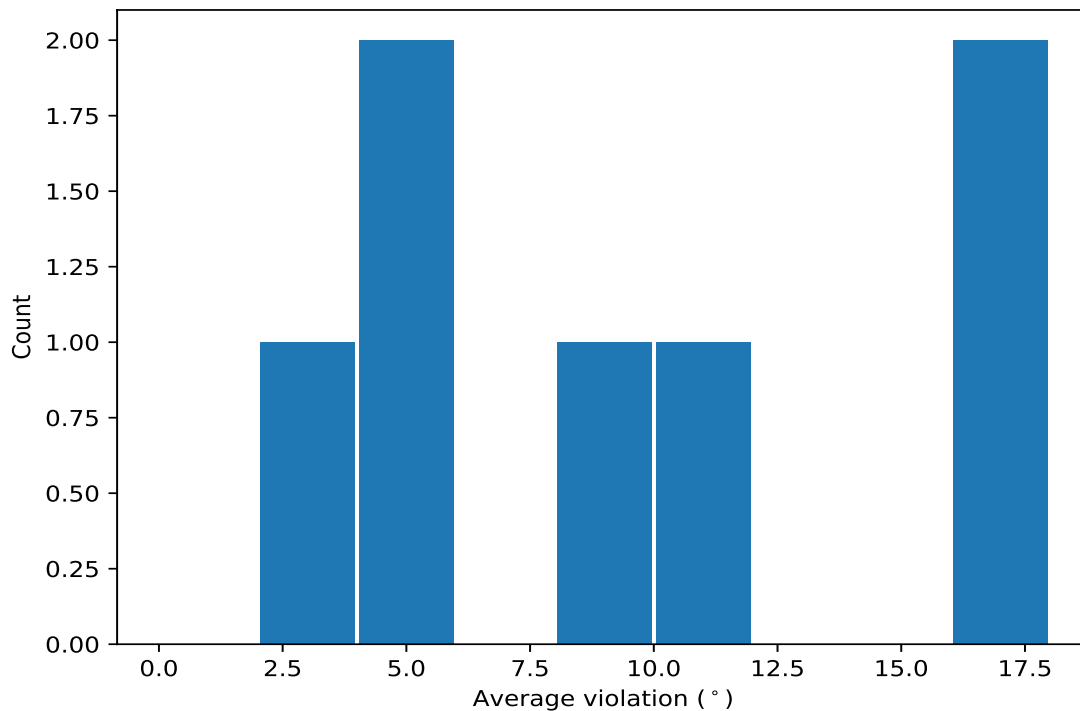


## 10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

### 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.

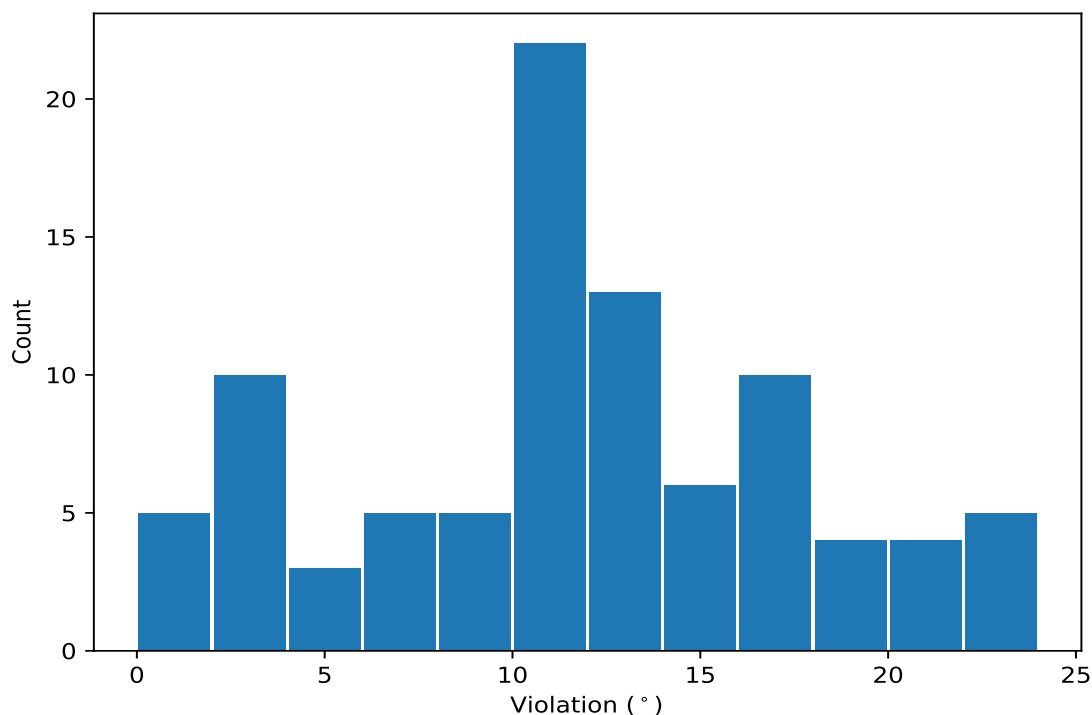
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models <sup>1</sup>	Mean	SD <sup>2</sup>	Median
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	20	16.78	1.91	16.45
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	19	10.57	2.68	10.9
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	19	9.72	2.67	10.3
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	18	16.12	6.11	16.5
(1,112)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:TRP:N	6	4.23	3.59	2.8
(1,2)	1:B:8:THR:N	1:B:8:THR:CA	1:B:8:THR:C	1:B:9:TRP:N	3	4.1	0.65	3.8
(1,1)	1:B:7:PRO:C	1:B:8:THR:N	1:B:8:THR:CA	1:B:8:THR:C	2	3.3	0.9	3.3

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

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

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

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



### 10.5.2 Table: All violated dihedral-angle restraints [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 (°)
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	5	23.4
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	10	23.0
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	15	22.8
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	13	22.4
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	9	22.0
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	14	21.9
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	3	21.7
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	16	21.6
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	1	21.0
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	16	19.9
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	11	19.5
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	19	18.8
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	12	18.6
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	9	17.3
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	5	17.1
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	4	16.9
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	4	16.9
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	3	16.5
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	14	16.5
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	17	16.4
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	19	16.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	2	16.0
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	10	16.0
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	15	15.9
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	7	15.7
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	18	15.6
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	8	15.4
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	6	15.1
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	13	14.6
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	1	13.8
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	16	13.8
(1,110)	1:B:66:PHE:N	1:B:66:PHE:CA	1:B:66:PHE:C	1:B:67:GLN:N	20	12.8
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	7	12.5
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	6	12.5
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	19	12.5
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	11	12.4
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	20	12.3
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1	12.2
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	15	12.2
(1,112)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:TRP:N	2	12.1
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	10	12.1
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	3	12.0
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	2	11.9
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	17	11.8
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	18	11.7
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	17	11.6
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	9	11.6
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	1	11.5
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	13	11.3
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	17	11.2
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	16	11.0
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	8	10.9
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	5	10.8
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	9	10.5
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	13	10.4
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	8	10.3
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	7	10.3
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	10	10.3
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	2	10.2
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	18	10.2
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	14	10.2
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	6	10.1
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	19	10.1
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	4	10.0
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	7	9.6
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	8	8.8
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	14	8.8
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	4	8.3
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	12	8.1
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	20	7.8
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	20	7.8
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	5	7.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	12	6.8
(1,70)	1:B:44:PRO:N	1:B:44:PRO:CA	1:B:44:PRO:C	1:B:45:ARG:N	11	6.3
(1,2)	1:B:8:THR:N	1:B:8:THR:CA	1:B:8:THR:C	1:B:9:TRP:N	1	5.0
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	11	4.5
(1,1)	1:B:7:PRO:C	1:B:8:THR:N	1:B:8:THR:CA	1:B:8:THR:C	1	4.2
(1,2)	1:B:8:THR:N	1:B:8:THR:CA	1:B:8:THR:C	1:B:9:TRP:N	7	3.8
(1,112)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:TRP:N	4	3.8
(1,2)	1:B:8:THR:N	1:B:8:THR:CA	1:B:8:THR:C	1:B:9:TRP:N	11	3.5
(1,170)	1:B:109:ARG:N	1:B:109:ARG:CA	1:B:109:ARG:C	1:B:110:SER:N	19	3.1
(1,112)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:TRP:N	10	3.0
(1,152)	1:B:97:VAL:N	1:B:97:VAL:CA	1:B:97:VAL:C	1:B:98:LEU:N	13	2.6
(1,112)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:TRP:N	19	2.6
(1,112)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:TRP:N	20	2.5
(1,1)	1:B:7:PRO:C	1:B:8:THR:N	1:B:8:THR:CA	1:B:8:THR:C	7	2.4
(1,111)	1:B:74:VAL:C	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	15	2.3
(1,151)	1:B:96:ASP:C	1:B:97:VAL:N	1:B:97:VAL:CA	1:B:97:VAL:C	13	1.9
(1,210)	1:B:130:LEU:N	1:B:130:LEU:CA	1:B:130:LEU:C	1:B:131:TYR:N	17	1.5
(1,112)	1:B:75:LEU:N	1:B:75:LEU:CA	1:B:75:LEU:C	1:B:76:TRP:N	6	1.4
(1,3)	1:B:8:THR:C	1:B:9:TRP:N	1:B:9:TRP:CA	1:B:9:TRP:C	1	1.3
(1,102)	1:B:61:ASP:N	1:B:61:ASP:CA	1:B:61:ASP:C	1:B:62:SER:N	3	1.2