



# Full wwPDB NMR Structure Validation Report ⓘ

Jun 5, 2023 – 08:31 PM EDT

PDB ID : 2M9G  
BMRB ID : 19293  
Title : Solution structure of calcium-bound human S100A12  
Authors : Hung, K.W.; Hsu, C.C.; Yu, C.  
Deposited on : 2013-06-07

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

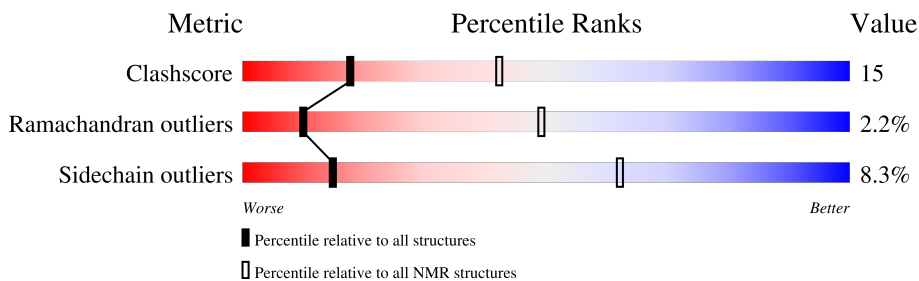
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*SOLUTION NMR*

The overall completeness of chemical shifts assignment is 37%.

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



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	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	A	92	50% 30% 17%
1	B	92	51% 29% 17%

## 2 Ensemble composition and analysis

This entry contains 20 models. Model 12 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:5-A:17, A:28-A:90, B:5-B:17, B:28-B:90 (152)	0.64	12

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

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

The models can be grouped into 3 clusters and 1 single-model cluster was found.

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

### 3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 3004 atoms, of which 1510 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Protein S100-A12.

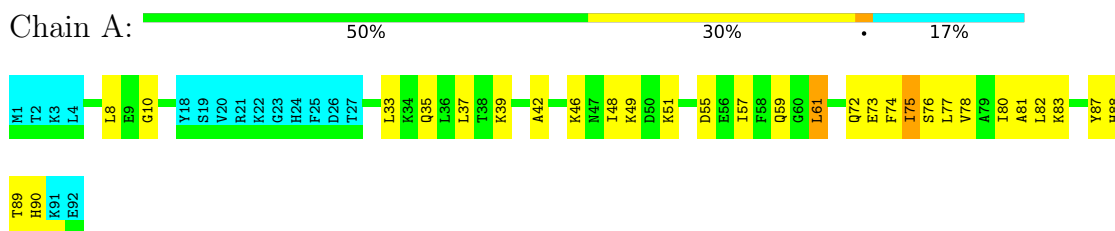
Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	92	1502	476	755	127	143	1	0
1	B	92	1502	476	755	127	143	1	0

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

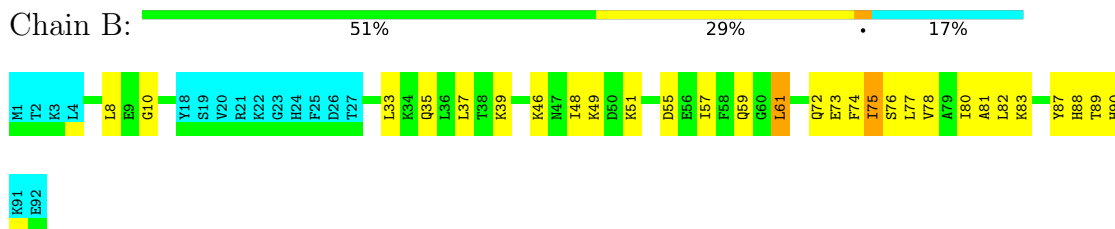
### 4.1 Average score per residue in the NMR ensemble

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 S100-A12



- Molecule 1: Protein S100-A12

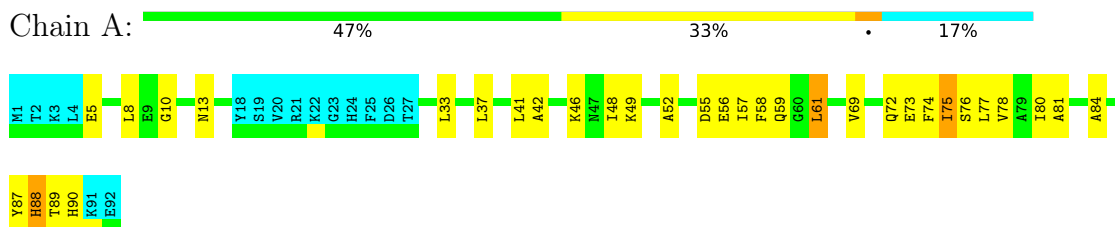


### 4.2 Scores per residue for each member of the ensemble

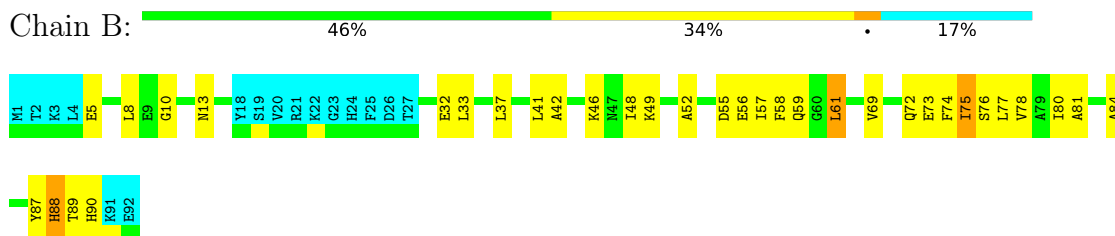
Colouring as in section 4.1 above.

#### 4.2.1 Score per residue for model 1

- Molecule 1: Protein S100-A12

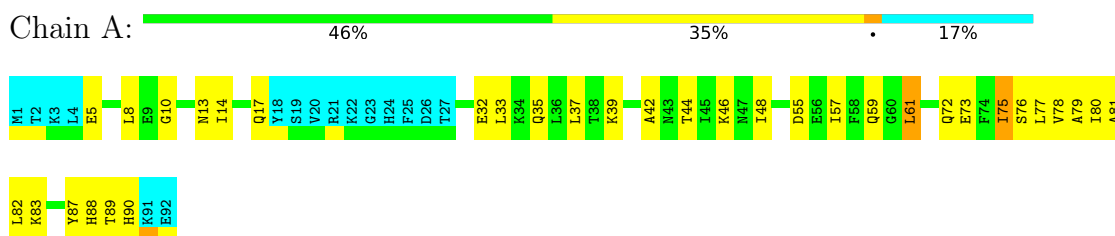


- Molecule 1: Protein S100-A12

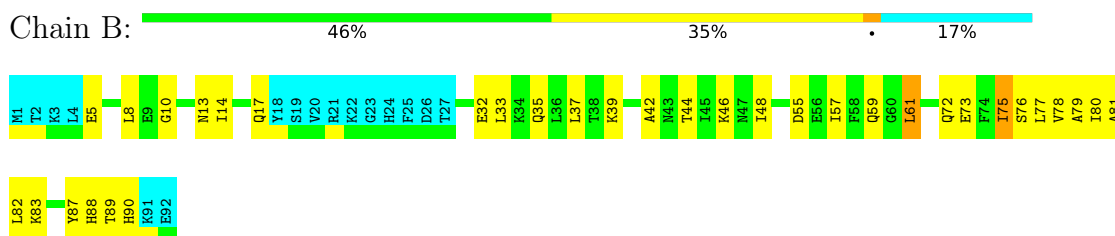


#### 4.2.2 Score per residue for model 2

- Molecule 1: Protein S100-A12

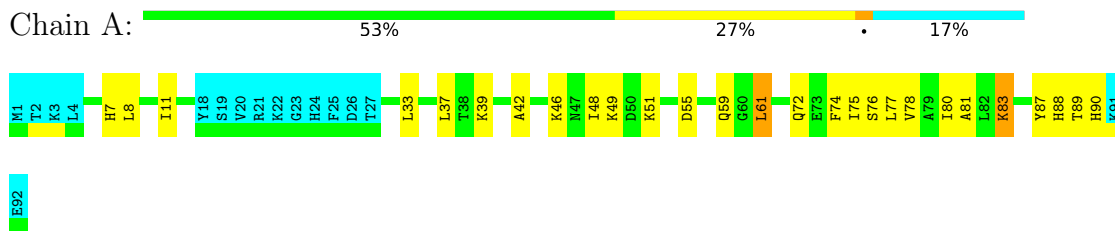


- Molecule 1: Protein S100-A12

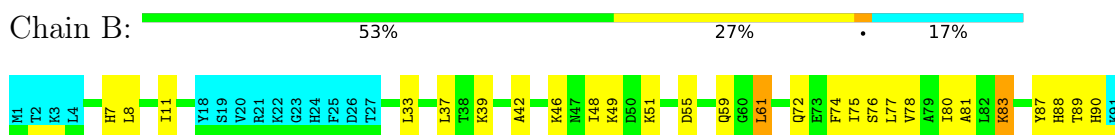


#### 4.2.3 Score per residue for model 3

- Molecule 1: Protein S100-A12



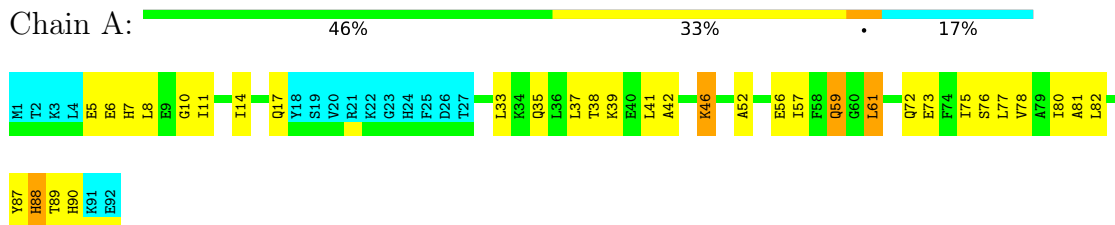
- Molecule 1: Protein S100-A12



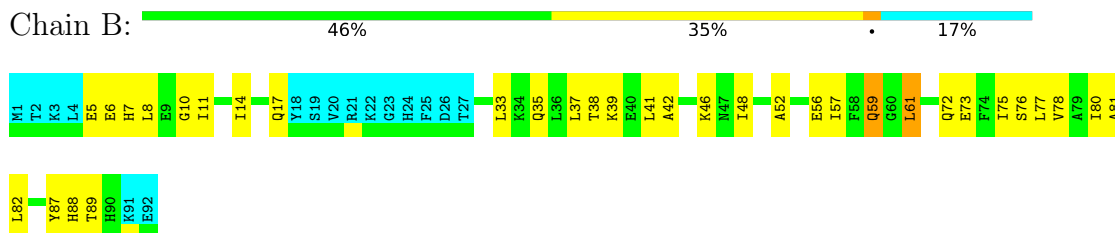
E92

#### 4.2.4 Score per residue for model 4

- Molecule 1: Protein S100-A12

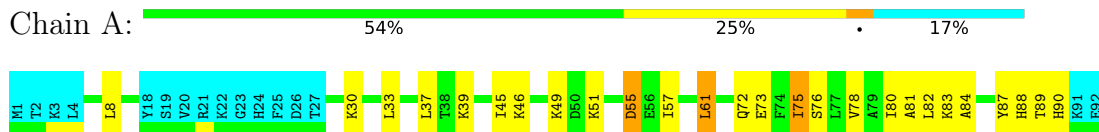


- Molecule 1: Protein S100-A12

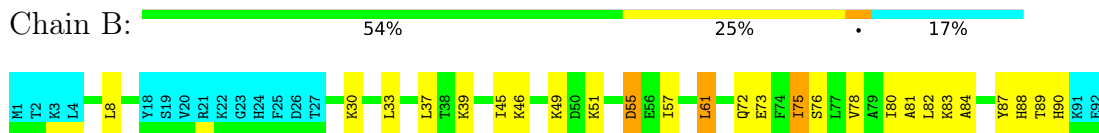


#### 4.2.5 Score per residue for model 5

- Molecule 1: Protein S100-A12



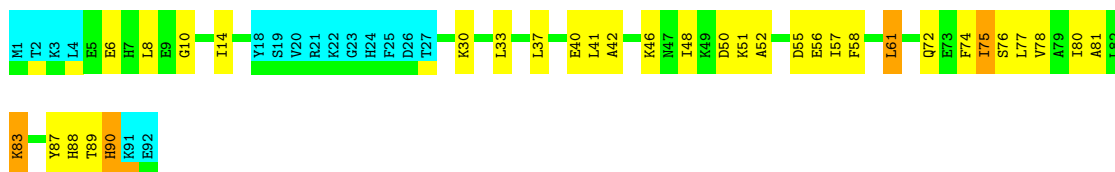
- Molecule 1: Protein S100-A12



#### 4.2.6 Score per residue for model 6

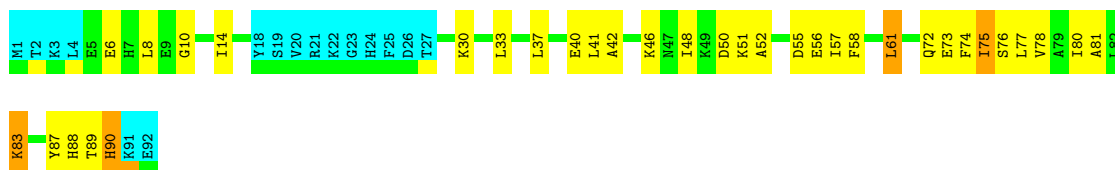
- Molecule 1: Protein S100-A12





- Molecule 1: Protein S100-A12

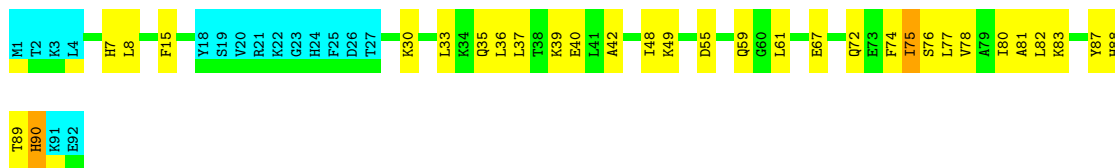
Chain B: 46% 33% 0% 17%



#### 4.2.7 Score per residue for model 7

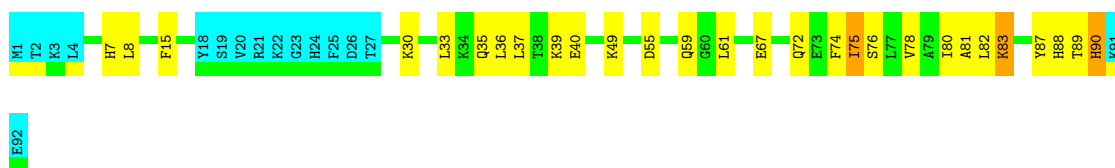
- Molecule 1: Protein S100-A12

Chain A: 49% 32% 0% 17%



- Molecule 1: Protein S100-A12

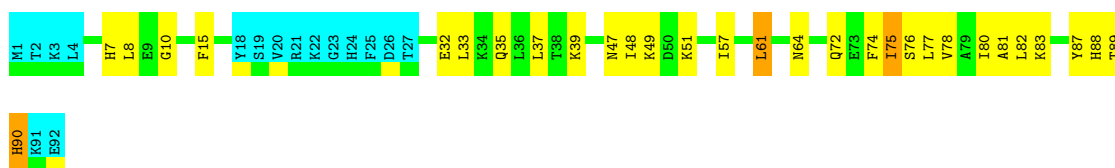
Chain B: 52% 27% 0% 17%



#### 4.2.8 Score per residue for model 8

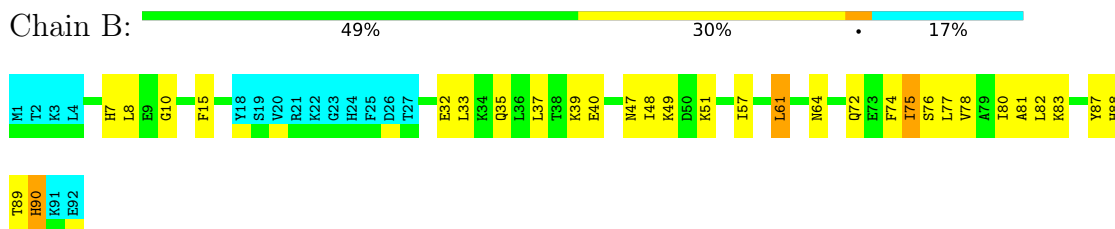
- Molecule 1: Protein S100-A12

Chain A: 50% 29% 0% 17%



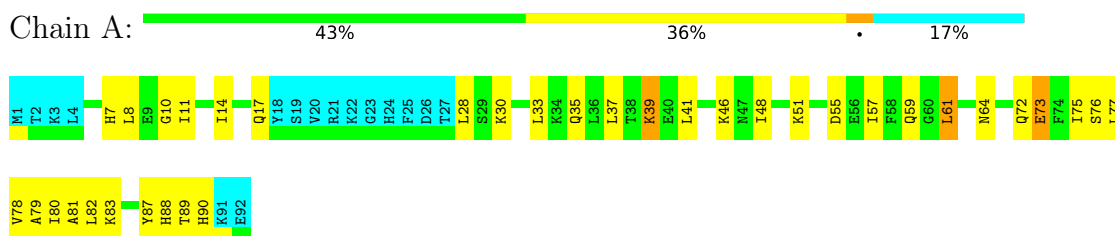


- Molecule 1: Protein S100-A12

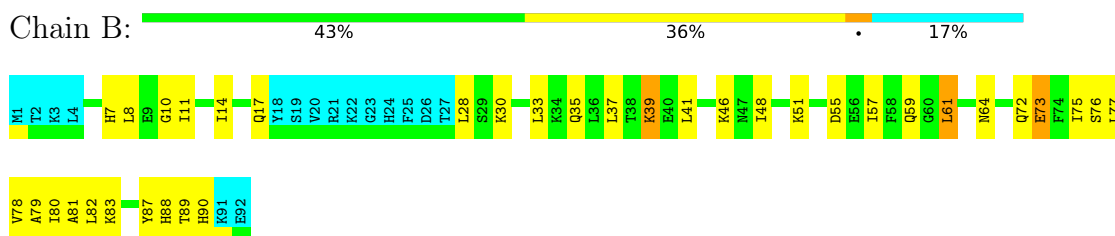


#### 4.2.9 Score per residue for model 9

- Molecule 1: Protein S100-A12

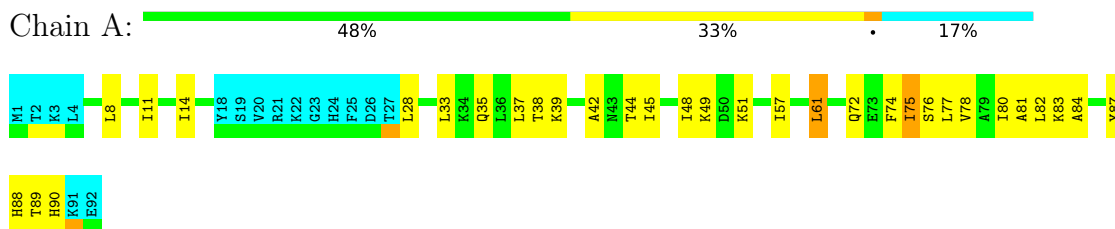


- Molecule 1: Protein S100-A12

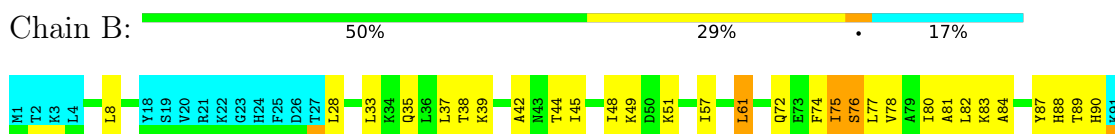


#### 4.2.10 Score per residue for model 10

- Molecule 1: Protein S100-A12



- Molecule 1: Protein S100-A12

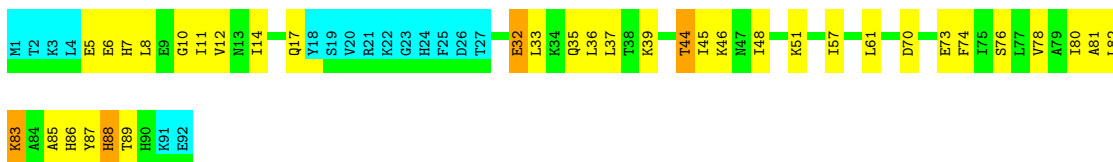


E92

#### 4.2.11 Score per residue for model 11

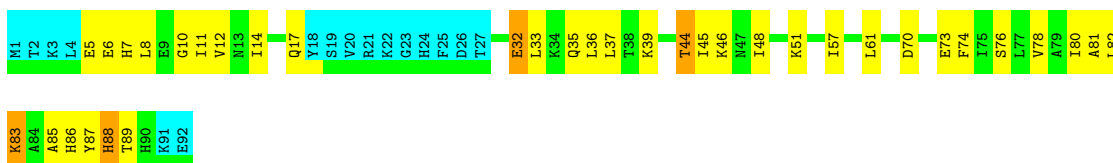
- Molecule 1: Protein S100-A12

Chain A:  43% 35% 17%



- Molecule 1: Protein S100-A12

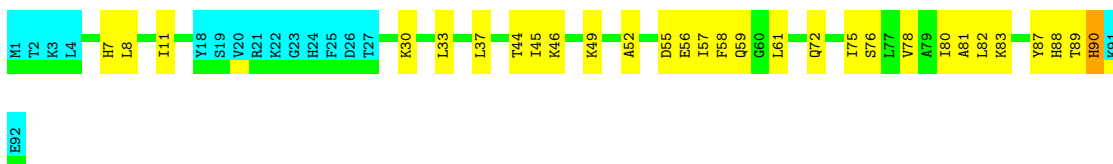
Chain B:  43% 35% 17%



#### 4.2.12 Score per residue for model 12 (medoid)

- Molecule 1: Protein S100-A12

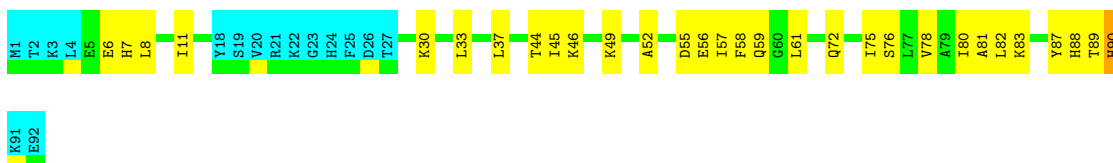
Chain A:  51% 30% 17%



E92

- Molecule 1: Protein S100-A12

Chain B:  50% 32% 17%

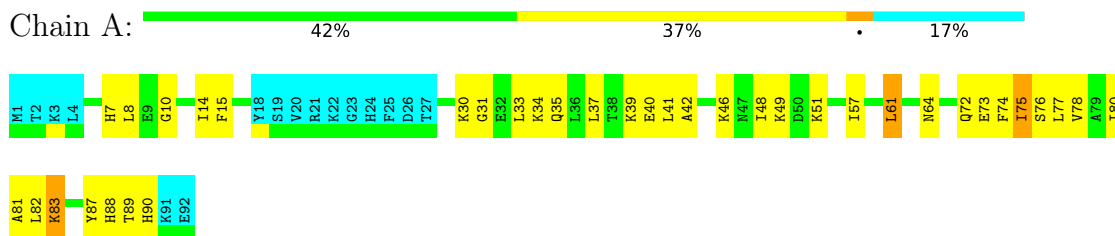


K91

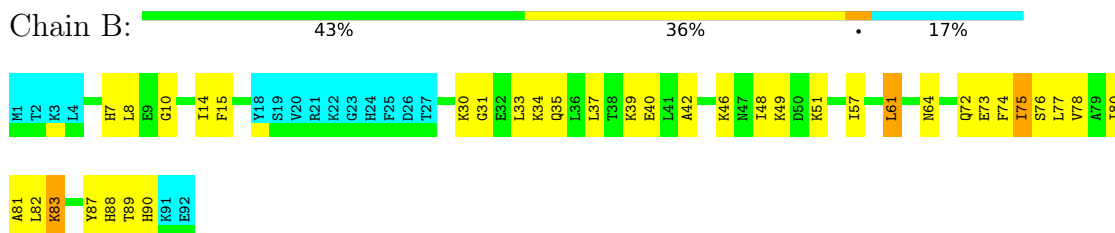
E92

### 4.2.13 Score per residue for model 13

- Molecule 1: Protein S100-A12

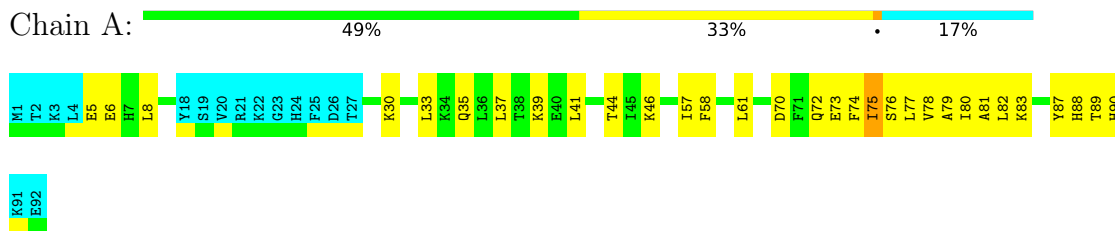


- Molecule 1: Protein S100-A12

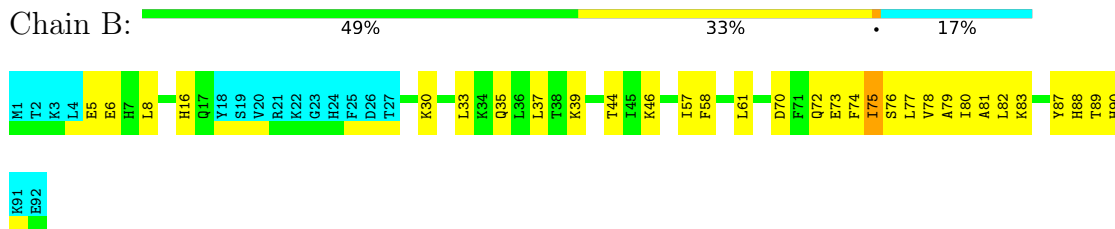


### 4.2.14 Score per residue for model 14

- Molecule 1: Protein S100-A12



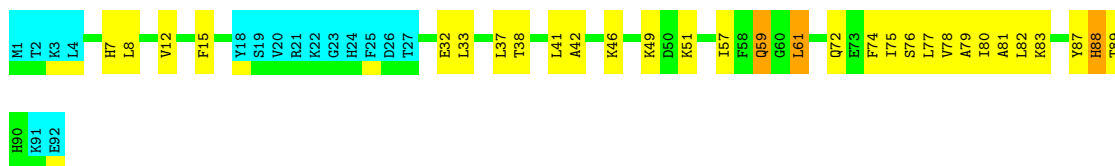
- Molecule 1: Protein S100-A12



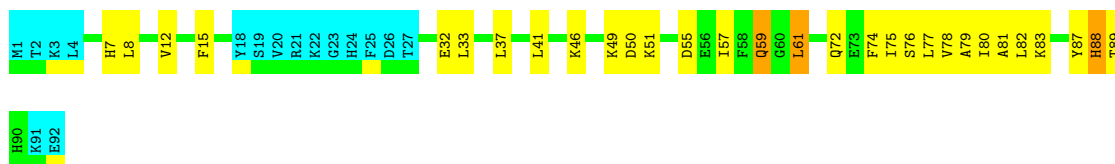
### 4.2.15 Score per residue for model 15

- Molecule 1: Protein S100-A12



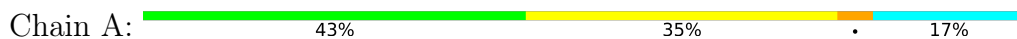


- Molecule 1: Protein S100-A12

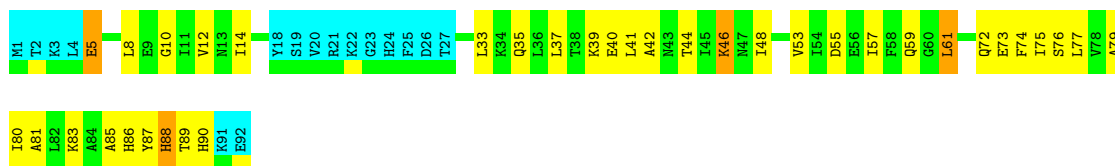


#### 4.2.16 Score per residue for model 16

- Molecule 1: Protein S100-A12

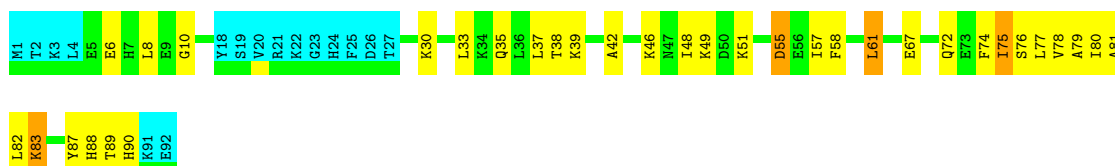


- Molecule 1: Protein S100-A12

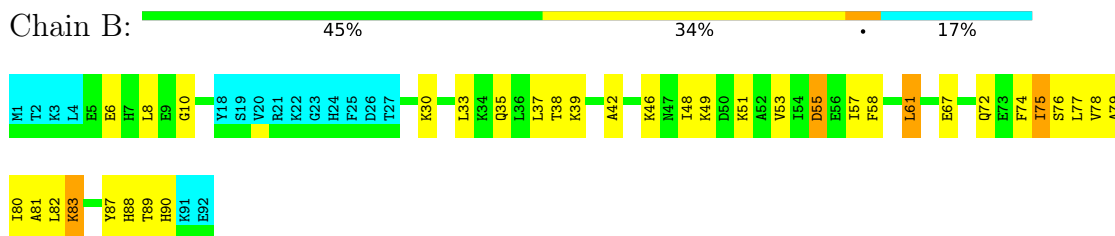


#### 4.2.17 Score per residue for model 17

- Molecule 1: Protein S100-A12

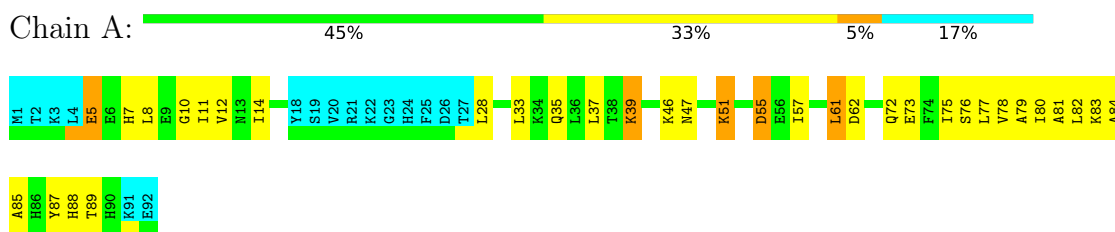


- Molecule 1: Protein S100-A12

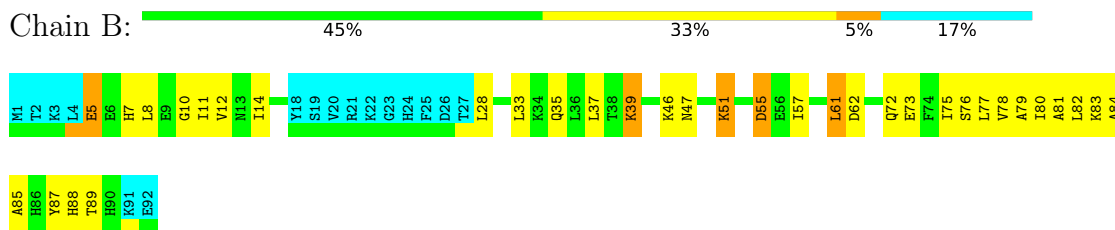


#### 4.2.18 Score per residue for model 18

- Molecule 1: Protein S100-A12

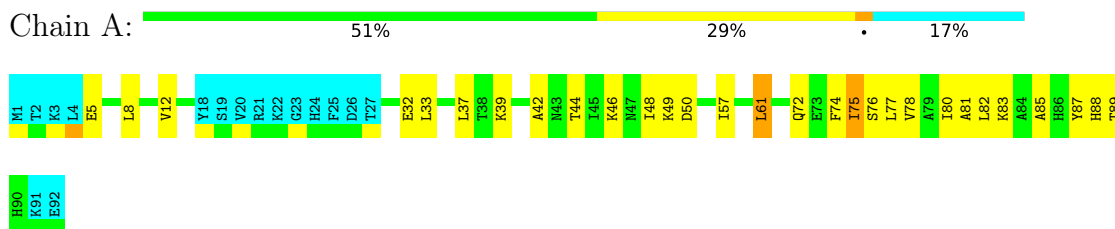


- Molecule 1: Protein S100-A12

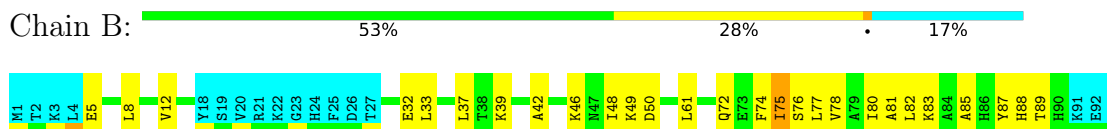


#### 4.2.19 Score per residue for model 19

- Molecule 1: Protein S100-A12



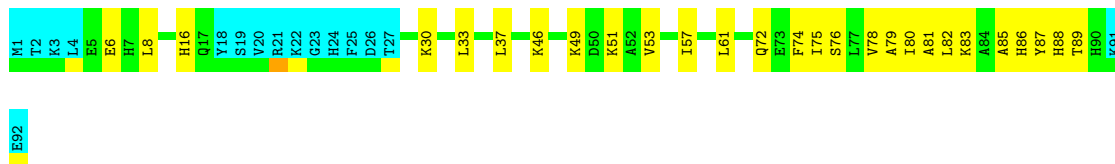
- Molecule 1: Protein S100-A12



### 4.2.20 Score per residue for model 20

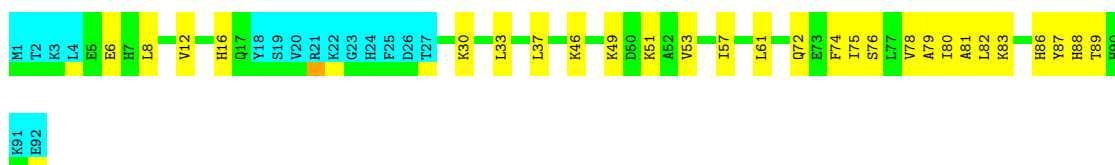
- Molecule 1: Protein S100-A12

Chain A:  53% 29% 17%



- Molecule 1: Protein S100-A12

Chain B:  53% 29% 17%



## 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
ARIA	structure solution	
ARIA	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	824
Number of shifts mapped to atoms	824
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	37%

## 6 Model quality i

### 6.1 Standard geometry i

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

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

### 6.2 Too-close contacts i

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	611	614	609	22±4
1	B	611	614	609	21±4
All	All	24440	24560	24360	731

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 15.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:8:LEU:HD13	1:B:81:ALA:HB1	0.76	1.58	15	18
1:A:81:ALA:HB1	1:B:8:LEU:HD13	0.74	1.58	15	18
1:A:35:GLN:O	1:A:39:LYS:HG2	0.64	1.91	9	12
1:B:35:GLN:O	1:B:39:LYS:HG2	0.64	1.91	9	12
1:A:83:LYS:HG2	1:B:75:ILE:CD1	0.64	2.22	2	3
1:A:75:ILE:CD1	1:B:83:LYS:HG2	0.63	2.23	2	3
1:B:76:SER:O	1:B:80:ILE:HD13	0.61	1.94	15	20
1:A:76:SER:O	1:A:80:ILE:HD13	0.61	1.95	15	20
1:A:10:GLY:O	1:A:14:ILE:HG12	0.60	1.97	11	5
1:B:10:GLY:O	1:B:14:ILE:HG12	0.59	1.97	11	5
1:A:8:LEU:CD1	1:B:81:ALA:HB1	0.58	2.29	10	19
1:A:81:ALA:HB1	1:B:8:LEU:CD1	0.57	2.29	15	19
1:A:41:LEU:HD22	1:B:8:LEU:HD11	0.56	1.77	15	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:78:VAL:O	1:B:82:LEU:HG	0.56	2.01	11	16
1:A:78:VAL:O	1:A:82:LEU:HG	0.56	2.01	11	16
1:A:57:ILE:O	1:A:61:LEU:HG	0.56	2.01	9	15
1:A:33:LEU:O	1:A:37:LEU:HG	0.56	2.00	9	20
1:B:33:LEU:O	1:B:37:LEU:HG	0.56	2.01	9	20
1:A:8:LEU:HD11	1:B:41:LEU:HD22	0.56	1.76	15	3
1:B:57:ILE:O	1:B:61:LEU:HG	0.55	2.01	9	14
1:B:72:GLN:O	1:B:75:ILE:HB	0.55	2.01	2	18
1:A:10:GLY:O	1:A:14:ILE:HG13	0.55	2.01	9	3
1:A:12:VAL:HG21	1:B:85:ALA:HB3	0.55	1.78	18	3
1:B:10:GLY:O	1:B:14:ILE:HG13	0.55	2.02	9	3
1:A:85:ALA:HB3	1:B:12:VAL:HG21	0.55	1.77	18	4
1:B:61:LEU:HB3	1:B:73:GLU:O	0.54	2.02	5	8
1:A:72:GLN:O	1:A:75:ILE:HB	0.54	2.01	2	18
1:B:74:PHE:O	1:B:77:LEU:HB3	0.54	2.03	8	9
1:B:52:ALA:O	1:B:56:GLU:HG3	0.54	2.02	4	1
1:A:75:ILE:CD1	1:B:83:LYS:HG3	0.54	2.33	15	3
1:A:83:LYS:HG3	1:B:75:ILE:CD1	0.54	2.33	15	3
1:A:61:LEU:HB3	1:A:73:GLU:O	0.54	2.02	5	7
1:A:74:PHE:O	1:A:77:LEU:HB3	0.54	2.03	8	10
1:B:33:LEU:HD11	1:B:77:LEU:HD22	0.53	1.80	2	2
1:A:52:ALA:O	1:A:56:GLU:HG3	0.53	2.02	4	1
1:A:85:ALA:O	1:A:88:HIS:HB2	0.53	2.04	11	1
1:B:83:LYS:O	1:B:87:TYR:HB3	0.53	2.04	9	7
1:B:51:LYS:O	1:B:55:ASP:HB2	0.53	2.03	17	3
1:A:83:LYS:O	1:A:87:TYR:HB3	0.52	2.04	9	7
1:A:51:LYS:O	1:A:55:ASP:HB2	0.52	2.03	17	3
1:A:33:LEU:HD11	1:A:77:LEU:HD22	0.52	1.80	2	3
1:B:7:HIS:O	1:B:11:ILE:HG13	0.52	2.05	4	4
1:A:55:ASP:O	1:A:59:GLN:HG2	0.51	2.05	9	6
1:B:55:ASP:O	1:B:59:GLN:HG2	0.51	2.05	9	6
1:A:7:HIS:O	1:A:11:ILE:HG13	0.51	2.06	4	4
1:B:70:ASP:HB2	1:B:73:GLU:OE1	0.51	2.06	11	1
1:A:74:PHE:O	1:A:78:VAL:HG23	0.51	2.06	14	8
1:A:44:THR:OG1	1:B:5:GLU:HB3	0.51	2.05	11	4
1:A:41:LEU:HG	1:B:8:LEU:HD11	0.51	1.80	4	3
1:B:61:LEU:O	1:B:73:GLU:HG3	0.51	2.05	11	2
1:A:8:LEU:HD11	1:B:41:LEU:HG	0.51	1.80	4	3
1:B:74:PHE:O	1:B:78:VAL:HG23	0.51	2.06	14	8
1:B:30:LYS:HB2	1:B:67:GLU:OE2	0.51	2.06	7	1
1:A:61:LEU:O	1:A:73:GLU:HG3	0.51	2.05	11	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:85:ALA:O	1:B:88:HIS:HB2	0.51	2.05	11	1
1:A:87:TYR:O	1:A:89:THR:N	0.51	2.44	3	20
1:A:30:LYS:HB2	1:A:67:GLU:OE2	0.51	2.06	7	1
1:A:36:LEU:O	1:A:40:GLU:HB3	0.50	2.06	7	1
1:B:36:LEU:O	1:B:40:GLU:HB3	0.50	2.06	7	1
1:A:5:GLU:HB3	1:B:44:THR:OG1	0.50	2.06	11	4
1:A:70:ASP:HB2	1:A:73:GLU:OE1	0.50	2.06	11	1
1:A:76:SER:O	1:A:79:ALA:HB3	0.50	2.07	17	7
1:A:75:ILE:HG23	1:B:79:ALA:HB1	0.50	1.83	9	1
1:A:83:LYS:HG2	1:A:86:HIS:NE2	0.50	2.21	20	1
1:B:83:LYS:HG2	1:B:86:HIS:NE2	0.50	2.21	20	1
1:B:76:SER:O	1:B:79:ALA:HB3	0.49	2.07	17	7
1:A:79:ALA:HB1	1:B:75:ILE:HG23	0.49	1.83	9	1
1:B:87:TYR:O	1:B:89:THR:N	0.49	2.45	4	20
1:A:33:LEU:HD11	1:A:77:LEU:HG	0.49	1.83	3	3
1:B:37:LEU:HD13	1:B:48:ILE:HD11	0.49	1.84	8	1
1:B:33:LEU:HD11	1:B:77:LEU:HG	0.49	1.83	3	3
1:A:87:TYR:C	1:A:89:THR:H	0.48	2.12	9	13
1:B:87:TYR:C	1:B:89:THR:H	0.48	2.12	9	11
1:B:6:GLU:O	1:B:10:GLY:HA3	0.48	2.08	6	3
1:A:37:LEU:HD13	1:A:48:ILE:HD11	0.48	1.84	8	1
1:A:6:GLU:O	1:A:10:GLY:HA3	0.48	2.09	6	3
1:B:46:LYS:HG2	1:B:90:HIS:O	0.48	2.08	17	2
1:A:37:LEU:HD21	1:A:77:LEU:HD11	0.48	1.86	17	1
1:B:52:ALA:O	1:B:56:GLU:HG2	0.48	2.09	6	3
1:A:46:LYS:HG2	1:A:90:HIS:O	0.47	2.08	17	2
1:A:12:VAL:HG13	1:B:86:HIS:HB2	0.47	1.85	16	1
1:A:86:HIS:HB2	1:B:12:VAL:HG13	0.47	1.85	16	1
1:A:89:THR:O	1:A:90:HIS:HB2	0.47	2.10	7	2
1:B:37:LEU:HD21	1:B:77:LEU:HD11	0.47	1.86	17	1
1:A:52:ALA:O	1:A:56:GLU:HG2	0.47	2.10	1	3
1:A:75:ILE:HD13	1:B:83:LYS:HG2	0.47	1.87	8	1
1:B:89:THR:O	1:B:90:HIS:HB2	0.47	2.10	7	2
1:A:57:ILE:HG21	1:A:77:LEU:HD23	0.47	1.85	8	2
1:A:10:GLY:HA3	1:B:7:HIS:CE1	0.46	2.44	13	3
1:A:13:ASN:O	1:A:17:GLN:HG2	0.46	2.11	2	1
1:B:38:THR:O	1:B:42:ALA:HB2	0.46	2.11	4	3
1:A:31:GLY:O	1:A:34:LYS:HG3	0.46	2.11	13	1
1:A:12:VAL:CG1	1:B:86:HIS:HB2	0.46	2.41	16	2
1:B:57:ILE:HG21	1:B:77:LEU:HD23	0.46	1.85	8	2
1:A:37:LEU:HD21	1:A:77:LEU:HD21	0.45	1.88	15	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:38:THR:O	1:A:42:ALA:HB2	0.45	2.11	17	4
1:A:7:HIS:CE1	1:B:10:GLY:HA3	0.45	2.46	13	3
1:B:33:LEU:HG	1:B:37:LEU:HD11	0.45	1.89	19	4
1:A:14:ILE:HG22	1:A:36:LEU:HD11	0.45	1.87	11	1
1:B:14:ILE:HG22	1:B:36:LEU:HD11	0.45	1.87	11	1
1:B:58:PHE:CZ	1:B:67:GLU:HA	0.45	2.47	17	1
1:A:5:GLU:OE1	1:A:7:HIS:HB2	0.45	2.12	18	1
1:A:42:ALA:HA	1:A:48:ILE:CG2	0.45	2.42	16	10
1:B:12:VAL:O	1:B:15:PHE:HB3	0.45	2.12	15	1
1:B:5:GLU:OE1	1:B:7:HIS:HB2	0.45	2.12	18	1
1:A:83:LYS:HG2	1:B:75:ILE:HD13	0.45	1.87	8	1
1:A:45:ILE:HA	1:A:84:ALA:HB1	0.44	1.89	5	2
1:B:31:GLY:O	1:B:34:LYS:HG3	0.44	2.12	13	1
1:B:13:ASN:O	1:B:17:GLN:HG2	0.44	2.11	2	1
1:B:37:LEU:HD21	1:B:77:LEU:HD21	0.44	1.88	15	2
1:A:58:PHE:CZ	1:A:67:GLU:HA	0.44	2.47	17	1
1:B:42:ALA:HA	1:B:48:ILE:CG2	0.44	2.42	16	10
1:B:33:LEU:HG	1:B:37:LEU:CD1	0.44	2.43	7	2
1:A:59:GLN:HA	1:A:59:GLN:HE21	0.44	1.73	4	2
1:B:45:ILE:HA	1:B:84:ALA:HB1	0.44	1.89	5	2
1:A:33:LEU:HG	1:A:37:LEU:CD1	0.44	2.43	3	4
1:B:61:LEU:HD13	1:B:77:LEU:HB2	0.44	1.90	3	3
1:A:61:LEU:HD13	1:A:77:LEU:HB2	0.44	1.90	14	4
1:A:45:ILE:HB	1:A:48:ILE:HB	0.44	1.90	10	2
1:A:87:TYR:O	1:A:89:THR:HG22	0.44	2.13	16	2
1:B:30:LYS:HD2	1:B:51:LYS:HE2	0.44	1.90	17	2
1:B:30:LYS:HD2	1:B:51:LYS:HE3	0.43	1.90	20	2
1:A:30:LYS:HE3	1:A:58:PHE:CD2	0.43	2.48	6	1
1:A:86:HIS:HB2	1:B:12:VAL:CG1	0.43	2.42	16	2
1:A:33:LEU:HG	1:A:37:LEU:HD11	0.43	1.89	19	5
1:A:72:GLN:HA	1:A:75:ILE:HD12	0.43	1.91	1	1
1:A:30:LYS:HD2	1:A:51:LYS:HE2	0.43	1.90	9	2
1:A:12:VAL:O	1:A:15:PHE:HB3	0.43	2.13	15	1
1:A:30:LYS:HD2	1:A:51:LYS:HE3	0.43	1.90	20	2
1:B:30:LYS:HE3	1:B:58:PHE:CD2	0.43	2.48	6	1
1:B:15:PHE:CE2	1:B:74:PHE:HB3	0.43	2.49	7	1
1:A:42:ALA:HA	1:A:48:ILE:HG21	0.43	1.91	16	3
1:A:83:LYS:NZ	1:B:72:GLN:HB2	0.43	2.29	3	1
1:B:45:ILE:HB	1:B:48:ILE:HB	0.43	1.90	10	2
1:A:30:LYS:HD2	1:A:51:LYS:CE	0.43	2.44	13	1
1:A:33:LEU:HD11	1:A:77:LEU:HD13	0.43	1.91	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:10:GLY:HA2	1:A:13:ASN:ND2	0.43	2.29	1	1
1:A:11:ILE:HG21	1:A:78:VAL:HG21	0.43	1.89	3	2
1:B:59:GLN:HE21	1:B:59:GLN:HA	0.43	1.72	4	2
1:B:30:LYS:HD2	1:B:51:LYS:CE	0.43	2.44	13	1
1:B:87:TYR:O	1:B:89:THR:HG22	0.43	2.14	18	2
1:B:10:GLY:HA2	1:B:13:ASN:ND2	0.42	2.29	1	1
1:B:72:GLN:HA	1:B:75:ILE:HD12	0.42	1.91	1	1
1:B:11:ILE:HG21	1:B:78:VAL:HG21	0.42	1.89	3	2
1:A:28:LEU:H	1:A:28:LEU:CD2	0.42	2.26	9	1
1:B:28:LEU:CD2	1:B:28:LEU:H	0.42	2.27	9	1
1:B:53:VAL:O	1:B:57:ILE:HG13	0.42	2.14	20	3
1:A:47:ASN:C	1:A:49:LYS:H	0.42	2.18	8	1
1:B:14:ILE:O	1:B:17:GLN:HB3	0.42	2.15	11	1
1:A:30:LYS:HA	1:A:58:PHE:CE2	0.42	2.50	12	1
1:A:30:LYS:HB2	1:A:58:PHE:CG	0.42	2.49	14	1
1:A:15:PHE:CE2	1:A:74:PHE:HB3	0.42	2.49	7	1
1:A:14:ILE:O	1:A:17:GLN:HB3	0.42	2.15	11	1
1:A:62:ASP:HA	1:A:73:GLU:OE1	0.42	2.15	18	1
1:A:85:ALA:CB	1:B:12:VAL:HG21	0.42	2.44	18	1
1:B:30:LYS:HB2	1:B:58:PHE:CD2	0.42	2.50	14	1
1:A:53:VAL:O	1:A:57:ILE:HG13	0.42	2.14	20	2
1:B:42:ALA:HA	1:B:48:ILE:HG21	0.42	1.91	16	1
1:B:58:PHE:CE1	1:B:69:VAL:HG23	0.42	2.50	1	1
1:A:72:GLN:HB2	1:B:83:LYS:NZ	0.42	2.30	3	1
1:A:57:ILE:CG2	1:A:77:LEU:HD23	0.42	2.45	18	2
1:B:57:ILE:CG2	1:B:77:LEU:HD23	0.42	2.45	18	2
1:B:30:LYS:HB2	1:B:58:PHE:CG	0.42	2.49	14	1
1:B:33:LEU:HD11	1:B:77:LEU:HD13	0.42	1.91	17	1
1:B:55:ASP:O	1:B:59:GLN:HG3	0.41	2.15	7	1
1:A:37:LEU:HB3	1:A:48:ILE:CG1	0.41	2.45	9	2
1:B:30:LYS:HA	1:B:58:PHE:CE2	0.41	2.50	12	1
1:B:62:ASP:HA	1:B:73:GLU:OE1	0.41	2.15	18	1
1:B:77:LEU:HD13	1:B:77:LEU:C	0.41	2.35	8	1
1:A:28:LEU:H	1:A:28:LEU:HD23	0.41	1.75	9	1
1:A:84:ALA:O	1:A:88:HIS:HA	0.41	2.15	1	1
1:B:37:LEU:HB3	1:B:48:ILE:CG1	0.41	2.45	9	1
1:B:45:ILE:HG21	1:B:57:ILE:HD11	0.41	1.91	12	1
1:A:30:LYS:HB2	1:A:58:PHE:CD2	0.41	2.50	14	1
1:A:12:VAL:HG21	1:B:85:ALA:CB	0.41	2.44	18	1
1:B:84:ALA:O	1:B:88:HIS:HA	0.41	2.15	1	1
1:B:77:LEU:O	1:B:77:LEU:HD22	0.41	2.16	18	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:55:ASP:O	1:A:59:GLN:HG3	0.41	2.15	7	1
1:A:88:HIS:C	1:A:90:HIS:H	0.41	2.20	4	1
1:A:77:LEU:C	1:A:77:LEU:HD13	0.41	2.35	8	1
1:A:45:ILE:HG21	1:A:57:ILE:HD11	0.41	1.91	12	1
1:A:58:PHE:CE1	1:A:69:VAL:HG23	0.41	2.50	1	1
1:A:77:LEU:O	1:A:77:LEU:HD22	0.41	2.16	18	1
1:A:44:THR:HG21	1:B:8:LEU:HD12	0.41	1.93	19	1
1:B:47:ASN:C	1:B:49:LYS:H	0.40	2.18	8	1
1:A:30:LYS:HE2	1:A:58:PHE:CD2	0.40	2.52	17	1
1:B:77:LEU:C	1:B:77:LEU:HD13	0.40	2.36	10	1
1:B:39:LYS:HG3	1:B:40:GLU:OE1	0.40	2.16	8	1
1:B:28:LEU:H	1:B:28:LEU:HD23	0.40	1.75	9	1
1:A:11:ILE:O	1:A:14:ILE:HG22	0.40	2.16	10	1
1:A:79:ALA:CB	1:B:75:ILE:HG23	0.40	2.47	9	1

## 6.3 Torsion angles [i](#)

### 6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	76/92 (83%)	70±2 (92±2%)	5±2 (6±2%)	2±0 (2±1%)	10	49
1	B	76/92 (83%)	70±2 (92±2%)	5±2 (6±2%)	2±0 (2±1%)	10	49
All	All	3040/3680 (83%)	2791 (92%)	183 (6%)	66 (2%)	10	49

All 6 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	88	HIS	20
1	B	88	HIS	20
1	A	90	HIS	12
1	B	90	HIS	12
1	A	28	LEU	1
1	B	28	LEU	1

### 6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	66/81 (81%)	61±1 (92±2%)	5±1 (8±2%)	15	62
1	B	66/81 (81%)	60±1 (92±2%)	6±1 (8±2%)	14	61
All	All	2640/3240 (81%)	2421 (92%)	219 (8%)	15	62

All 43 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	61	LEU	18
1	B	61	LEU	18
1	A	46	LYS	16
1	B	46	LYS	16
1	A	49	LYS	11
1	A	75	ILE	11
1	B	49	LYS	11
1	B	75	ILE	11
1	A	83	LYS	9
1	B	83	LYS	9
1	A	51	LYS	7
1	B	51	LYS	7
1	A	5	GLU	5
1	B	5	GLU	5
1	A	39	LYS	5
1	B	39	LYS	5
1	B	55	ASP	5
1	A	55	ASP	4
1	B	50	ASP	3
1	A	64	ASN	3
1	B	64	ASN	3
1	A	44	THR	3
1	B	44	THR	3
1	A	6	GLU	3
1	B	6	GLU	3
1	A	7	HIS	2
1	B	7	HIS	2
1	A	17	GLN	2

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Mol	Chain	Res	Type	Models (Total)
1	A	59	GLN	2
1	B	17	GLN	2
1	B	59	GLN	2
1	A	50	ASP	2
1	A	73	GLU	1
1	B	73	GLU	1
1	B	76	SER	1
1	A	32	GLU	1
1	B	32	GLU	1
1	A	90	HIS	1
1	B	90	HIS	1
1	A	72	GLN	1
1	B	72	GLN	1
1	A	47	ASN	1
1	B	47	ASN	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 37% for the well-defined parts and 32% for the entire structure.

### 7.1 Chemical shift list 1

File name: working\_cs.cif

Chemical shift list name: *assigned\_chem\_shift\_list\_1*

#### 7.1.1 Bookkeeping (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	824
Number of shifts mapped to atoms	824
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

#### 7.1.2 Chemical shift referencing (i)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	79	$-0.65 \pm 0.15$	Should be checked
$^{13}\text{C}_\beta$	75	$0.19 \pm 0.14$	None needed ( $< 0.5$ ppm)
$^{13}\text{C}'$	75	$-0.23 \pm 0.12$	None needed ( $< 0.5$ ppm)
$^{15}\text{N}$	75	$1.42 \pm 0.39$	Should be applied

#### 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 37%, i.e. 791 atoms were assigned a chemical shift out of a possible 2140. 0 out of 26 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	$^1\text{H}$	$^{13}\text{C}$	$^{15}\text{N}$
Backbone	362/766 (47%)	144/310 (46%)	147/304 (48%)	71/152 (47%)
Sidechain	429/1196 (36%)	294/776 (38%)	135/386 (35%)	0/34 (0%)

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	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Aromatic	0/178 (0%)	0/88 (0%)	0/70 (0%)	0/20 (0%)
Overall	791/2140 (37%)	438/1174 (37%)	282/760 (37%)	71/206 (34%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 32%, i.e. 824 atoms were assigned a chemical shift out of a possible 2606. 0 out of 30 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Backbone	379/928 (41%)	150/376 (40%)	154/368 (42%)	75/184 (41%)
Sidechain	445/1446 (31%)	303/936 (32%)	142/464 (31%)	0/46 (0%)
Aromatic	0/232 (0%)	0/114 (0%)	0/94 (0%)	0/24 (0%)
Overall	824/2606 (32%)	453/1426 (32%)	296/926 (32%)	75/254 (30%)

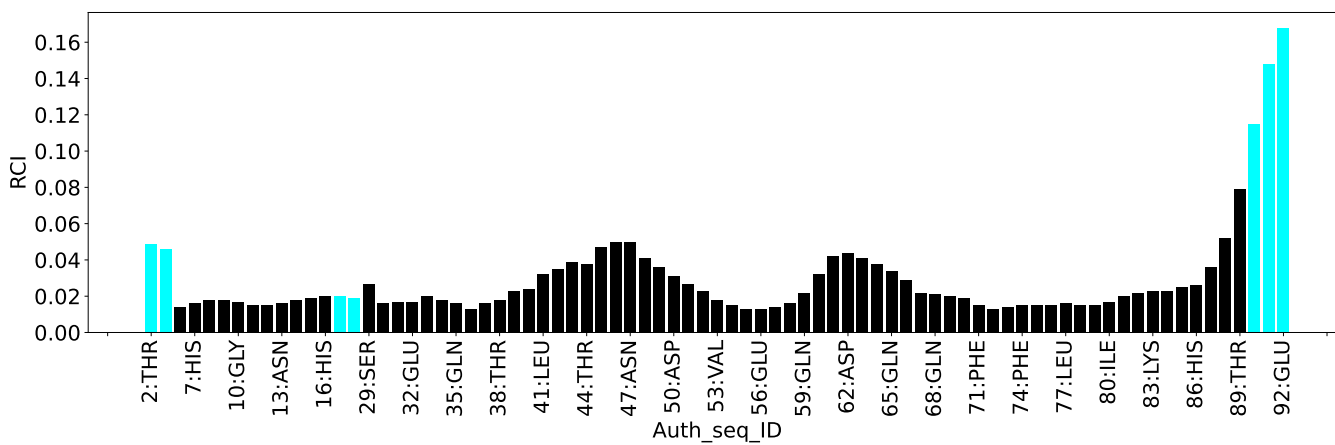
#### 7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

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

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

Random coil index (RCI) for chain A:



## 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	4122
Intra-residue ( $ i-j =0$ )	1186
Sequential ( $ i-j =1$ )	810
Medium range ( $ i-j >1$ and $ i-j <5$ )	1052
Long range ( $ i-j \geq 5$ )	632
Inter-chain	298
Hydrogen bond restraints	144
Disulfide bond restraints	0
Total dihedral-angle restraints	288
Number of unmapped restraints	0
Number of restraints per residue	24.0
Number of long range restraints per residue <sup>1</sup>	3.4

<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)	85.5	0.2
0.2-0.5 (Medium)	53.4	0.5
>0.5 (Large)	68.7	3.4

### 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)	11.4	5.3
10.0-20.0 (Medium)	2.0	14.7
>20.0 (Large)	None	None

## 9 Distance violation analysis [i](#)

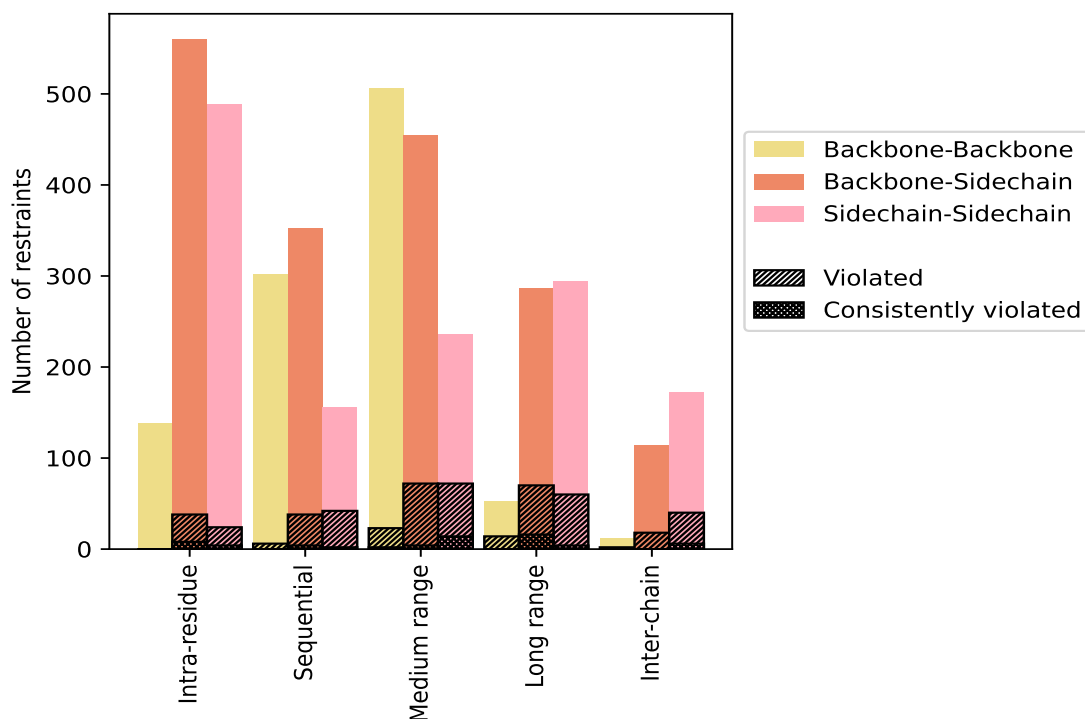
### 9.1 Summary of distance violations [i](#)

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

Restrains type	Count	% <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>1186</b>	<b>28.8</b>	<b>62</b>	<b>5.2</b>	<b>1.5</b>	<b>12</b>	<b>1.0</b>	<b>0.3</b>
Backbone-Backbone	138	3.3	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	560	13.6	38	6.8	0.9	8	1.4	0.2
Sidechain-Sidechain	488	11.8	24	4.9	0.6	4	0.8	0.1
<b>Sequential (<math> i-j =1</math>)</b>	<b>810</b>	<b>19.7</b>	<b>86</b>	<b>10.6</b>	<b>2.1</b>	<b>6</b>	<b>0.7</b>	<b>0.1</b>
Backbone-Backbone	302	7.3	6	2.0	0.1	0	0.0	0.0
Backbone-Sidechain	352	8.5	38	10.8	0.9	4	1.1	0.1
Sidechain-Sidechain	156	3.8	42	26.9	1.0	2	1.3	0.0
<b>Medium range (<math> i-j &gt;1</math> &amp; <math> i-j &lt;5</math>)</b>	<b>1052</b>	<b>25.5</b>	<b>150</b>	<b>14.3</b>	<b>3.6</b>	<b>20</b>	<b>1.9</b>	<b>0.5</b>
Backbone-Backbone	362	8.8	6	1.7	0.1	2	0.6	0.0
Backbone-Sidechain	454	11.0	72	15.9	1.7	4	0.9	0.1
Sidechain-Sidechain	236	5.7	72	30.5	1.7	14	5.9	0.3
<b>Long range (<math> i-j \geq 5</math>)</b>	<b>632</b>	<b>15.3</b>	<b>144</b>	<b>22.8</b>	<b>3.5</b>	<b>20</b>	<b>3.2</b>	<b>0.5</b>
Backbone-Backbone	52	1.3	14	26.9	0.3	0	0.0	0.0
Backbone-Sidechain	286	6.9	70	24.5	1.7	16	5.6	0.4
Sidechain-Sidechain	294	7.1	60	20.4	1.5	4	1.4	0.1
<b>Inter-chain</b>	<b>298</b>	<b>7.2</b>	<b>60</b>	<b>20.1</b>	<b>1.5</b>	<b>6</b>	<b>2.0</b>	<b>0.1</b>
Backbone-Backbone	12	0.3	2	16.7	0.0	0	0.0	0.0
Backbone-Sidechain	114	2.8	18	15.8	0.4	0	0.0	0.0
Sidechain-Sidechain	172	4.2	40	23.3	1.0	6	3.5	0.1
<b>Hydrogen bond</b>	<b>144</b>	<b>3.5</b>	<b>17</b>	<b>11.8</b>	<b>0.4</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>4122</b>	<b>100.0</b>	<b>519</b>	<b>12.6</b>	<b>12.6</b>	<b>64</b>	<b>1.6</b>	<b>1.6</b>
Backbone-Backbone	1010	24.5	45	4.5	1.1	2	0.2	0.0
Backbone-Sidechain	1766	42.8	236	13.4	5.7	32	1.8	0.8
Sidechain-Sidechain	1346	32.7	238	17.7	5.8	30	2.2	0.7

<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	30	36	59	58	24	207	0.49	2.22	0.44	0.28
2	22	28	58	64	34	206	0.51	1.64	0.43	0.32
3	22	36	82	48	31	219	0.48	1.92	0.44	0.29
4	24	26	72	54	22	198	0.5	2.51	0.47	0.26
5	23	36	49	52	22	182	0.51	1.66	0.43	0.34
6	30	38	70	56	27	221	0.46	1.61	0.43	0.22
7	26	36	67	54	22	205	0.48	2.67	0.44	0.28
8	20	24	62	52	27	185	0.49	2.5	0.44	0.34
9	28	32	64	61	20	205	0.44	2.15	0.41	0.22
10	26	32	63	60	40	221	0.47	2.2	0.44	0.26
11	28	38	76	62	28	232	0.39	1.49	0.35	0.25

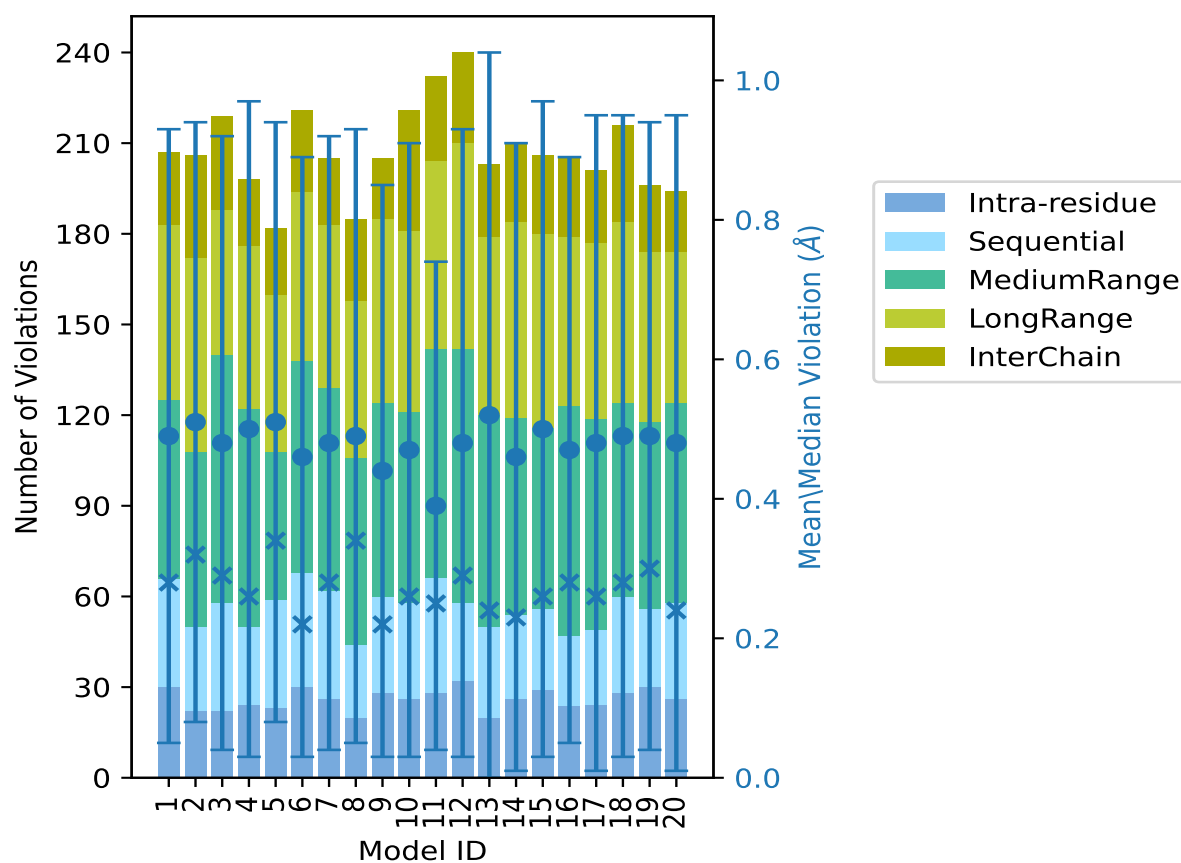
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Model ID	Number of violations					Total	Mean (Å)	Max (Å)	SD <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>					
12	32	26	84	68	30	240	0.48	2.78	0.45	0.29
13	20	30	70	59	24	203	0.52	3.4	0.52	0.24
14	26	28	65	65	26	210	0.46	3.07	0.45	0.23
15	29	27	60	64	26	206	0.5	2.06	0.47	0.26
16	24	23	76	56	26	205	0.47	2.0	0.42	0.28
17	24	25	70	58	24	201	0.48	2.75	0.47	0.26
18	28	32	64	60	32	216	0.49	1.81	0.46	0.28
19	30	26	62	56	22	196	0.49	2.26	0.45	0.3
20	26	32	66	50	20	194	0.48	2.54	0.47	0.24

<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 [\(i\)](#)



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

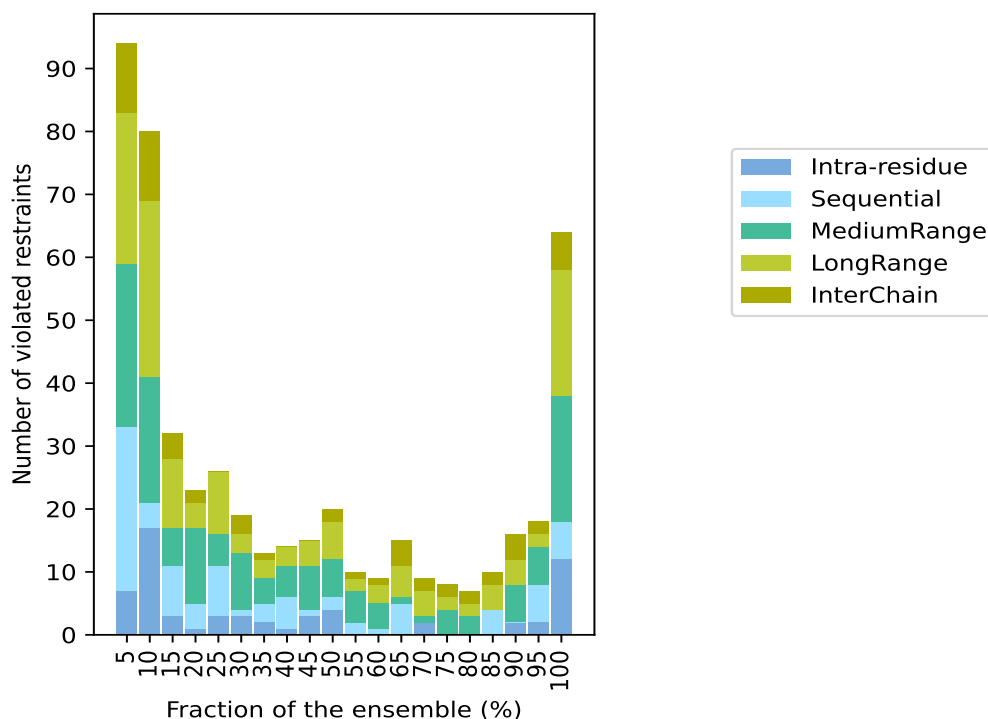
### 9.3 Distance violation statistics for the ensemble

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 3476(IR:1124, SQ:724, MR:902, LR:488, IC:238) 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>	%
7	26	26	24	11	94	1	5.0
17	4	20	28	11	80	2	10.0
3	8	6	11	4	32	3	15.0
1	4	12	4	2	23	4	20.0
3	8	5	10	0	26	5	25.0
3	1	9	3	3	19	6	30.0
2	3	4	3	1	13	7	35.0
1	5	5	3	0	14	8	40.0
3	1	7	4	0	15	9	45.0
4	2	6	6	2	20	10	50.0
0	2	5	2	1	10	11	55.0
0	1	4	3	1	9	12	60.0
0	5	1	5	4	15	13	65.0
2	0	1	4	2	9	14	70.0
0	0	4	2	2	8	15	75.0
0	0	3	2	2	7	16	80.0
0	4	0	4	2	10	17	85.0
2	0	6	4	4	16	18	90.0
2	6	6	2	2	18	19	95.0
12	6	20	20	6	64	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](#)

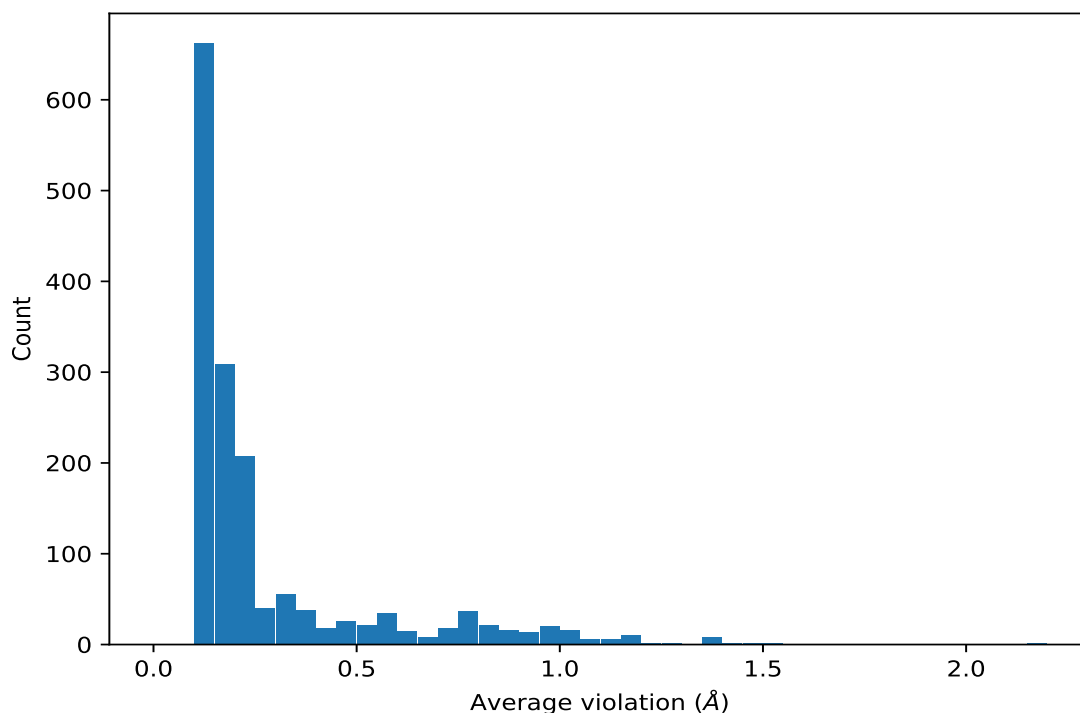


## 9.4 Most violated distance restraints in the ensemble [i](#)

### 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)
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	20	2.15	0.62	2.18
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	20	2.15	0.62	2.2
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	20	1.49	0.04	1.49
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	20	1.49	0.04	1.49
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	20	1.45	0.06	1.46
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	20	1.45	0.06	1.46
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	20	1.24	0.1	1.27
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	20	1.24	0.1	1.27
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	20	1.18	0.11	1.18
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	20	1.18	0.11	1.18
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	20	1.18	0.11	1.18
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	20	1.18	0.11	1.18
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	20	1.18	0.11	1.18
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	20	1.18	0.11	1.18
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	20	1.17	0.11	1.18
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	20	1.17	0.11	1.18

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	20	1.16	0.11	1.18
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	20	1.16	0.11	1.18
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	20	1.1	0.33	1.15
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	20	1.1	0.33	1.16
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	20	1.04	0.13	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	20	1.04	0.13	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	20	1.04	0.13	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	20	1.04	0.13	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	20	1.04	0.13	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	20	1.04	0.13	1.03
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	20	1.04	0.12	1.03
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	20	1.04	0.12	1.03
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	20	1.04	0.12	1.03
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	20	1.04	0.12	1.03
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	20	1.04	0.12	1.03
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	20	1.04	0.12	1.03
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	20	1.04	0.06	1.03
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	20	1.04	0.06	1.03
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	20	0.97	0.14	0.96
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	20	0.97	0.14	0.96
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	20	0.97	0.14	0.96
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	20	0.97	0.13	0.96
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	20	0.97	0.13	0.96
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	20	0.97	0.13	0.96
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	20	0.93	0.18	0.98
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	20	0.93	0.18	0.98
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	20	0.9	0.05	0.91
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	20	0.9	0.05	0.91
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	20	0.9	0.05	0.91
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	20	0.9	0.05	0.91
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	20	0.9	0.05	0.91
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	20	0.9	0.05	0.91
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	20	0.9	0.05	0.91
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	20	0.9	0.05	0.91
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	20	0.9	0.05	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	20	0.9	0.05	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	20	0.9	0.05	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	20	0.9	0.05	0.91
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	20	0.85	0.04	0.85
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	20	0.85	0.04	0.85
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	20	0.85	0.04	0.85
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	20	0.85	0.04	0.85

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	20	0.85	0.04	0.85
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	20	0.85	0.04	0.85
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	20	0.85	0.04	0.85
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	20	0.85	0.04	0.85
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	20	0.8	0.11	0.82
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	20	0.8	0.11	0.82
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	20	0.8	0.11	0.82
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	20	0.8	0.11	0.82
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	20	0.8	0.11	0.82
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	20	0.79	0.11	0.82
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	20	0.79	0.11	0.82
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	20	0.79	0.11	0.82
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	20	0.79	0.11	0.82
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	20	0.79	0.11	0.82
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	20	0.77	0.04	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	20	0.77	0.04	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	20	0.77	0.04	0.78
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	20	0.77	0.04	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	20	0.77	0.04	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	20	0.77	0.04	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	20	0.77	0.04	0.78
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	20	0.77	0.04	0.78
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	20	0.75	0.26	0.72
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	20	0.75	0.26	0.72
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	20	0.75	0.26	0.72
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	20	0.75	0.26	0.72
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	20	0.74	0.26	0.72
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	20	0.74	0.26	0.72
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	20	0.74	0.26	0.72
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	20	0.74	0.26	0.72
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	20	0.73	0.15	0.76
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	20	0.73	0.15	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	20	0.73	0.15	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	20	0.73	0.15	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	20	0.73	0.15	0.76
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	20	0.73	0.15	0.76
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	20	0.73	0.15	0.76
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	20	0.73	0.15	0.76
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	20	0.73	0.15	0.76
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	20	0.73	0.15	0.76
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	20	0.55	0.05	0.55
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	20	0.55	0.05	0.55

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	20	0.55	0.05	0.55
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	20	0.55	0.05	0.55
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	20	0.55	0.05	0.55
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	20	0.55	0.05	0.55
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	20	0.55	0.05	0.55
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	20	0.55	0.05	0.55
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	20	0.55	0.05	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	20	0.55	0.05	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	20	0.55	0.05	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	20	0.55	0.05	0.55
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	20	0.53	0.09	0.52
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	20	0.53	0.09	0.52
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	20	0.53	0.09	0.52
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	20	0.53	0.09	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	20	0.53	0.09	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	20	0.53	0.09	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	20	0.53	0.09	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	20	0.53	0.09	0.52
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	20	0.51	0.06	0.52
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	20	0.51	0.06	0.52
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	20	0.51	0.0	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	20	0.51	0.0	0.51
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	20	0.44	0.02	0.44
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	20	0.44	0.02	0.44
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	20	0.41	0.0	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	20	0.41	0.0	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	20	0.41	0.0	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	20	0.41	0.0	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	20	0.41	0.0	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	20	0.41	0.0	0.41
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	20	0.4	0.12	0.4
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	20	0.4	0.12	0.4
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	20	0.4	0.12	0.4
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	20	0.4	0.12	0.4
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	20	0.4	0.12	0.4
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	20	0.4	0.12	0.4
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	20	0.35	0.03	0.34
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	20	0.35	0.03	0.34
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	20	0.34	0.02	0.34
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	20	0.34	0.02	0.34
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	20	0.34	0.06	0.34
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	20	0.34	0.06	0.34

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	20	0.34	0.06	0.34
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	20	0.34	0.06	0.34
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	20	0.34	0.06	0.34
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	20	0.34	0.06	0.34
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	20	0.23	0.02	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	20	0.23	0.02	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	20	0.23	0.02	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	20	0.23	0.02	0.22
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	20	0.22	0.02	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	20	0.22	0.02	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	20	0.22	0.02	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	20	0.22	0.02	0.22
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	20	0.21	0.03	0.21
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	20	0.21	0.03	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	20	0.21	0.03	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	20	0.21	0.03	0.21
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	20	0.21	0.02	0.21
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	20	0.21	0.02	0.21
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	20	0.21	0.02	0.21
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	20	0.21	0.02	0.21
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	20	0.21	0.03	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	20	0.21	0.03	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	20	0.21	0.03	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	20	0.21	0.03	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	20	0.21	0.03	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	20	0.21	0.03	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	20	0.21	0.03	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	20	0.21	0.03	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	20	0.21	0.03	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	20	0.21	0.03	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	20	0.21	0.03	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	20	0.21	0.03	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	20	0.21	0.03	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	20	0.21	0.03	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	20	0.21	0.03	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	20	0.21	0.03	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	20	0.21	0.03	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	20	0.21	0.03	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	20	0.21	0.03	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	20	0.21	0.03	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	20	0.21	0.03	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	20	0.21	0.03	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	20	0.21	0.03	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	20	0.21	0.03	0.22
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	20	0.16	0.01	0.16
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	20	0.16	0.01	0.16
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	20	0.16	0.03	0.16
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	20	0.16	0.03	0.16
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	20	0.16	0.03	0.16
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	20	0.16	0.03	0.16
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	20	0.16	0.03	0.16
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	20	0.16	0.03	0.17
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	20	0.16	0.03	0.17
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	20	0.16	0.03	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	20	0.16	0.03	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	20	0.16	0.03	0.17
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	19	1.06	0.29	1.06
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	19	1.06	0.29	1.06
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	19	1.06	0.29	1.04
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	19	1.06	0.29	1.04
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	19	0.79	0.25	0.87
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	19	0.79	0.25	0.87
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	19	0.49	0.11	0.52
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	19	0.49	0.11	0.52
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	19	0.49	0.11	0.52
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	19	0.49	0.11	0.52
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	19	0.49	0.11	0.52
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	19	0.49	0.11	0.52
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	19	0.49	0.11	0.52
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	19	0.49	0.11	0.52
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	19	0.49	0.11	0.52
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	19	0.49	0.11	0.52
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	19	0.49	0.11	0.52
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	19	0.49	0.11	0.52
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	19	0.49	0.11	0.52
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	19	0.49	0.11	0.52
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	19	0.35	0.11	0.34
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	19	0.35	0.11	0.34
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	19	0.24	0.05	0.26
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	19	0.24	0.05	0.26
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	19	0.24	0.05	0.26
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	19	0.24	0.05	0.26
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	19	0.24	0.05	0.26
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	19	0.24	0.05	0.26

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	19	0.24	0.08	0.24
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	19	0.24	0.08	0.24
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	19	0.24	0.08	0.24
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	19	0.24	0.08	0.24
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	19	0.24	0.08	0.24
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	19	0.24	0.08	0.24
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	19	0.24	0.08	0.24
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	19	0.24	0.08	0.24
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	19	0.19	0.04	0.19
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	19	0.19	0.04	0.19
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	19	0.19	0.04	0.19
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	19	0.19	0.04	0.19
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	19	0.18	0.03	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	19	0.18	0.03	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	19	0.18	0.03	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	19	0.18	0.03	0.19
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	19	0.18	0.03	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	19	0.18	0.03	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	19	0.18	0.03	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	19	0.18	0.03	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	19	0.15	0.03	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	19	0.15	0.03	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	19	0.15	0.03	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	19	0.15	0.03	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	19	0.15	0.03	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	19	0.15	0.03	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	19	0.15	0.03	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	19	0.15	0.03	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	19	0.15	0.03	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	19	0.15	0.03	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	19	0.15	0.03	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	19	0.15	0.03	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	19	0.15	0.03	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	19	0.15	0.03	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	19	0.15	0.03	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	19	0.15	0.03	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	19	0.15	0.03	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	19	0.15	0.03	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	19	0.15	0.03	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	19	0.15	0.03	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	19	0.15	0.03	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	19	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	19	0.15	0.03	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	19	0.15	0.03	0.15
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	18	1.37	0.09	1.41
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	18	1.37	0.09	1.41
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	18	1.37	0.09	1.41
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	18	1.37	0.08	1.4
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	18	1.37	0.08	1.4
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	18	1.37	0.08	1.4
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	18	0.78	0.42	0.92
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	18	0.78	0.42	0.92
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	18	0.78	0.42	0.92
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	18	0.78	0.42	0.92
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	18	0.72	0.06	0.73
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	18	0.72	0.06	0.73
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	18	0.72	0.06	0.73
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	18	0.72	0.06	0.73
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	18	0.64	0.38	0.56
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	18	0.64	0.38	0.56
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	18	0.64	0.38	0.56
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	18	0.64	0.38	0.56
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	18	0.57	0.13	0.55
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	18	0.57	0.13	0.55
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	18	0.57	0.13	0.55
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	18	0.56	0.13	0.56
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	18	0.56	0.13	0.56
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	18	0.56	0.13	0.56
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	18	0.22	0.01	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	18	0.22	0.01	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	18	0.22	0.01	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	18	0.22	0.01	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	18	0.22	0.01	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	18	0.22	0.01	0.22
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	18	0.16	0.03	0.16
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	18	0.16	0.03	0.16
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	18	0.16	0.03	0.16
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	18	0.16	0.03	0.16
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	18	0.14	0.02	0.14
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	18	0.14	0.02	0.14
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	18	0.14	0.02	0.14
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	18	0.14	0.02	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	18	0.14	0.02	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	18	0.14	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)
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	17	0.75	0.45	0.68
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	17	0.75	0.45	0.67
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	17	0.36	0.1	0.38
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	17	0.36	0.1	0.38
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	17	0.36	0.1	0.38
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	17	0.36	0.1	0.38
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	17	0.36	0.1	0.38
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	17	0.36	0.1	0.38
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	17	0.36	0.1	0.38
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	17	0.36	0.1	0.38
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	17	0.36	0.1	0.38
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	17	0.36	0.1	0.38
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	17	0.36	0.1	0.38
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	17	0.36	0.1	0.38
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	17	0.34	0.19	0.3
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	17	0.34	0.19	0.3
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	17	0.34	0.19	0.3
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	17	0.34	0.19	0.3
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	17	0.34	0.19	0.3
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	17	0.34	0.19	0.3
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	17	0.34	0.18	0.3
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	17	0.34	0.18	0.3
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	17	0.34	0.18	0.3
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	17	0.34	0.18	0.3
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	17	0.34	0.18	0.3
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	17	0.34	0.18	0.3
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	17	0.15	0.03	0.15
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	17	0.15	0.03	0.15
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	17	0.15	0.03	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	17	0.15	0.03	0.15
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	17	0.15	0.03	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	17	0.15	0.03	0.16
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	17	0.15	0.03	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	17	0.15	0.03	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	17	0.15	0.03	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	17	0.15	0.03	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	17	0.15	0.03	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	17	0.15	0.03	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	17	0.15	0.03	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	17	0.15	0.03	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	17	0.15	0.03	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	17	0.15	0.03	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	17	0.15	0.03	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	17	0.15	0.03	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	17	0.14	0.03	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	17	0.14	0.03	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	17	0.14	0.03	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	17	0.14	0.03	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	17	0.14	0.03	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	17	0.14	0.03	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	17	0.14	0.03	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	17	0.14	0.03	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	17	0.14	0.03	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	17	0.14	0.03	0.15
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	16	0.25	0.09	0.24
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	16	0.25	0.09	0.24
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	16	0.24	0.08	0.22
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	16	0.24	0.08	0.22
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	16	0.2	0.1	0.16
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	16	0.2	0.1	0.16
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	16	0.2	0.1	0.16
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	16	0.2	0.1	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	16	0.2	0.1	0.16
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	16	0.2	0.1	0.16
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	16	0.2	0.1	0.16
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	16	0.2	0.1	0.16
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	16	0.2	0.1	0.16
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	16	0.2	0.1	0.16
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	16	0.15	0.02	0.15
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	16	0.15	0.02	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	16	0.15	0.02	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	16	0.15	0.02	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	16	0.15	0.02	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	16	0.15	0.02	0.15
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	16	0.15	0.03	0.15
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	16	0.15	0.03	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	16	0.15	0.03	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	16	0.15	0.03	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	16	0.15	0.03	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	16	0.15	0.03	0.15
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	16	0.13	0.02	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	16	0.13	0.02	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	16	0.13	0.02	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	16	0.13	0.02	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	16	0.13	0.02	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	16	0.13	0.02	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	16	0.13	0.02	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	16	0.13	0.02	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	16	0.13	0.02	0.12
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	15	1.52	0.18	1.56
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	15	1.52	0.18	1.56
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	15	1.1	0.65	1.54
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	15	1.1	0.65	1.53
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	15	0.16	0.03	0.16
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	15	0.16	0.03	0.16
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	15	0.15	0.01	0.15
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	15	0.15	0.01	0.15
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	15	0.15	0.01	0.15
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	15	0.15	0.01	0.15
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	15	0.13	0.02	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	15	0.13	0.02	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	15	0.13	0.02	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	15	0.13	0.02	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	15	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	15	0.13	0.02	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	15	0.13	0.02	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	15	0.13	0.02	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	15	0.13	0.02	0.12
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	14	0.61	0.2	0.59
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	14	0.61	0.2	0.59
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	14	0.61	0.2	0.59
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	14	0.61	0.2	0.59
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	14	0.61	0.2	0.59
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	14	0.61	0.2	0.59
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	14	0.61	0.2	0.59
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	14	0.61	0.2	0.59
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	14	0.61	0.2	0.59
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	14	0.6	0.2	0.6
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	14	0.6	0.2	0.6
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	14	0.6	0.2	0.6
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	14	0.6	0.2	0.6
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	14	0.6	0.2	0.6
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	14	0.6	0.2	0.6
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	14	0.6	0.2	0.6
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	14	0.6	0.2	0.6
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	14	0.6	0.2	0.6
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	14	0.32	0.17	0.3
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	14	0.32	0.17	0.3
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	14	0.32	0.17	0.3
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	14	0.32	0.17	0.3
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	14	0.17	0.06	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	14	0.17	0.06	0.16
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	14	0.16	0.03	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	14	0.16	0.03	0.16
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	14	0.14	0.03	0.14
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	14	0.14	0.03	0.14
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	14	0.14	0.03	0.14
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	14	0.14	0.03	0.14
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	14	0.14	0.03	0.14
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	14	0.14	0.03	0.14
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	14	0.12	0.01	0.12
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	14	0.12	0.01	0.12
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	14	0.12	0.01	0.12
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	14	0.12	0.01	0.12
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	14	0.12	0.01	0.12
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	14	0.12	0.01	0.12
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	13	1.12	0.53	1.39
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	13	1.12	0.53	1.39
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	13	0.81	0.55	1.19
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	13	0.81	0.55	1.19
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	13	0.81	0.55	1.19
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	13	0.81	0.55	1.19
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	13	0.23	0.11	0.24
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	13	0.23	0.11	0.24
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	13	0.22	0.08	0.2
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	13	0.22	0.08	0.2
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	13	0.22	0.08	0.2
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	13	0.22	0.08	0.2
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	13	0.19	0.05	0.17
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	13	0.19	0.05	0.17
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	13	0.19	0.05	0.17
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	13	0.18	0.05	0.18
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	13	0.18	0.05	0.18
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	13	0.18	0.05	0.18
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	13	0.18	0.06	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	13	0.18	0.06	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	13	0.18	0.06	0.16
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	13	0.17	0.04	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	13	0.17	0.04	0.18
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	13	0.17	0.04	0.18
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	13	0.17	0.04	0.18
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	13	0.17	0.04	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	13	0.17	0.04	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	13	0.17	0.04	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	13	0.17	0.04	0.18
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	13	0.17	0.04	0.18
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	13	0.17	0.04	0.18
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	13	0.17	0.04	0.18
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	13	0.17	0.04	0.18
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	13	0.17	0.04	0.18
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	13	0.17	0.04	0.18
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	13	0.17	0.04	0.18
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	13	0.17	0.04	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	13	0.17	0.04	0.18
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	13	0.17	0.04	0.18
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	13	0.17	0.04	0.18
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	13	0.17	0.04	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	13	0.17	0.04	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	13	0.17	0.04	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	13	0.17	0.04	0.18
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	13	0.17	0.04	0.18
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	13	0.17	0.04	0.18
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	13	0.17	0.04	0.18
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	13	0.17	0.04	0.18
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	13	0.17	0.04	0.18
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	13	0.17	0.04	0.18
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	13	0.17	0.04	0.18
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	13	0.16	0.04	0.15
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	13	0.16	0.04	0.15
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	13	0.16	0.04	0.15
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	13	0.14	0.02	0.14
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	13	0.14	0.02	0.14
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	13	0.14	0.02	0.14
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	13	0.14	0.02	0.14
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	13	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	13	0.14	0.02	0.14
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	13	0.14	0.02	0.14
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	13	0.14	0.02	0.14
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	13	0.14	0.02	0.14
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	13	0.14	0.02	0.14
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	13	0.14	0.02	0.14
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	13	0.14	0.02	0.14
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	13	0.13	0.01	0.13
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	13	0.13	0.01	0.13
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	12	0.24	0.11	0.24
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	12	0.24	0.11	0.24
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	12	0.23	0.08	0.21
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	12	0.23	0.08	0.21
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	12	0.23	0.08	0.21
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	12	0.23	0.08	0.21
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	12	0.21	0.08	0.17
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	12	0.16	0.03	0.16
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	12	0.16	0.03	0.16
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	12	0.16	0.03	0.16
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	12	0.14	0.02	0.15
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	12	0.14	0.02	0.15
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	12	0.14	0.02	0.15
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	12	0.14	0.02	0.15
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	12	0.14	0.02	0.15
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	12	0.14	0.02	0.15
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	12	0.14	0.02	0.15
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	12	0.14	0.02	0.15
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	12	0.14	0.02	0.15
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	12	0.14	0.02	0.15
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	12	0.14	0.02	0.15
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	12	0.14	0.02	0.15
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	12	0.13	0.02	0.12
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	12	0.13	0.02	0.12
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	12	0.13	0.02	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	12	0.12	0.01	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	12	0.12	0.01	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	12	0.12	0.01	0.12
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	12	0.12	0.01	0.12
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	12	0.12	0.01	0.12
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	12	0.12	0.01	0.12
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	12	0.12	0.01	0.12
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	12	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)
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	12	0.12	0.01	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	12	0.12	0.01	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	12	0.12	0.01	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	12	0.12	0.01	0.12
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	12	0.12	0.01	0.12
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	12	0.12	0.01	0.12
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	12	0.12	0.01	0.12
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	12	0.12	0.01	0.12
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	12	0.12	0.01	0.12
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	12	0.12	0.01	0.12
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	11	0.55	0.09	0.56
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	11	0.55	0.09	0.55
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	11	0.22	0.08	0.18
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	11	0.17	0.02	0.17
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	11	0.17	0.02	0.17
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	11	0.17	0.02	0.17
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	11	0.17	0.02	0.17
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	11	0.17	0.02	0.17
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	11	0.17	0.02	0.17
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	11	0.17	0.02	0.17
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	11	0.17	0.02	0.17
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	11	0.17	0.02	0.17
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	11	0.17	0.02	0.17
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	11	0.17	0.02	0.17
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	11	0.17	0.02	0.17
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	11	0.16	0.02	0.17
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	11	0.16	0.02	0.17
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	11	0.16	0.02	0.16
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	11	0.16	0.02	0.16
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	11	0.14	0.03	0.13
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	11	0.14	0.03	0.13
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	11	0.13	0.02	0.13
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	11	0.13	0.02	0.13
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	11	0.13	0.02	0.13
(1,2112)	1:B:80:ILE:HD12	1:B:76:SER:HB3	10	0.89	0.05	0.9
(1,2112)	1:B:80:ILE:HD11	1:B:76:SER:HB3	10	0.89	0.05	0.9
(1,2112)	1:B:80:ILE:HD13	1:B:76:SER:HB3	10	0.89	0.05	0.9
(1,2112)	1:B:80:ILE:HD12	1:B:79:ALA:HA	10	0.89	0.05	0.9
(1,2112)	1:B:80:ILE:HD11	1:B:79:ALA:HA	10	0.89	0.05	0.9
(1,2112)	1:B:80:ILE:HD13	1:B:79:ALA:HA	10	0.89	0.05	0.9
(1,2111)	1:A:80:ILE:HD12	1:A:76:SER:HB3	10	0.89	0.05	0.9
(1,2111)	1:A:80:ILE:HD11	1:A:76:SER:HB3	10	0.89	0.05	0.9

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2111)	1:A:80:ILE:HD13	1:A:76:SER:HB3	10	0.89	0.05	0.9
(1,2111)	1:A:80:ILE:HD12	1:A:79:ALA:HA	10	0.89	0.05	0.9
(1,2111)	1:A:80:ILE:HD11	1:A:79:ALA:HA	10	0.89	0.05	0.9
(1,2111)	1:A:80:ILE:HD13	1:A:79:ALA:HA	10	0.89	0.05	0.9
(1,777)	1:A:61:LEU:HD22	1:A:76:SER:HB3	10	0.79	0.12	0.81
(1,777)	1:A:61:LEU:HD21	1:A:76:SER:HB3	10	0.79	0.12	0.81
(1,777)	1:A:61:LEU:HD23	1:A:76:SER:HB3	10	0.79	0.12	0.81
(1,778)	1:B:61:LEU:HD22	1:B:76:SER:HB3	10	0.79	0.12	0.82
(1,778)	1:B:61:LEU:HD21	1:B:76:SER:HB3	10	0.79	0.12	0.82
(1,778)	1:B:61:LEU:HD23	1:B:76:SER:HB3	10	0.79	0.12	0.82
(1,1695)	1:A:83:LYS:HE2	1:B:71:PHE:HB2	10	0.48	0.16	0.48
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	10	0.48	0.16	0.48
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	10	0.48	0.16	0.48
(1,1695)	1:A:83:LYS:HE3	1:B:71:PHE:HB2	10	0.48	0.16	0.48
(1,1696)	1:B:83:LYS:HE2	1:A:71:PHE:HB2	10	0.48	0.16	0.48
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	10	0.48	0.16	0.48
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	10	0.48	0.16	0.48
(1,1696)	1:B:83:LYS:HE3	1:A:71:PHE:HB2	10	0.48	0.16	0.48
(2,57)	1:A:32:GLU:HB2	1:A:35:GLN:HB2	10	0.38	0.16	0.4
(2,58)	1:B:32:GLU:HB2	1:B:35:GLN:HB2	10	0.38	0.16	0.4
(1,2270)	1:B:83:LYS:HA	1:B:83:LYS:HE2	10	0.31	0.07	0.32
(1,2270)	1:B:86:HIS:HB2	1:B:83:LYS:HA	10	0.31	0.07	0.32
(1,2269)	1:A:83:LYS:HA	1:A:83:LYS:HE2	10	0.31	0.07	0.31
(1,2269)	1:A:86:HIS:HB2	1:A:83:LYS:HA	10	0.31	0.07	0.31
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA2	10	0.29	0.05	0.3
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA3	10	0.29	0.05	0.3
(1,2072)	1:B:74:PHE:HA	1:B:76:SER:HB3	10	0.29	0.05	0.3
(1,2072)	1:B:74:PHE:HA	1:A:79:ALA:HA	10	0.29	0.05	0.3
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA2	10	0.29	0.04	0.3
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA3	10	0.29	0.04	0.3
(1,2071)	1:A:74:PHE:HA	1:A:76:SER:HB3	10	0.29	0.04	0.3
(1,2071)	1:A:74:PHE:HA	1:B:79:ALA:HA	10	0.29	0.04	0.3
(1,2611)	1:A:51:LYS:HB2	1:A:50:ASP:HB2	10	0.22	0.1	0.16
(1,2611)	1:A:51:LYS:HB3	1:A:50:ASP:HB2	10	0.22	0.1	0.16
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	10	0.22	0.1	0.16
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	10	0.22	0.1	0.16
(1,2611)	1:A:91:LYS:HE2	1:A:80:ILE:HB	10	0.22	0.1	0.16
(1,2611)	1:A:91:LYS:HE3	1:A:80:ILE:HB	10	0.22	0.1	0.16
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	10	0.22	0.1	0.16
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	10	0.22	0.1	0.16
(1,2611)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	10	0.22	0.1	0.16
(1,2611)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	10	0.22	0.1	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2612)	1:B:51:LYS:HB2	1:B:50:ASP:HB2	10	0.22	0.1	0.16
(1,2612)	1:B:51:LYS:HB3	1:B:50:ASP:HB2	10	0.22	0.1	0.16
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	10	0.22	0.1	0.16
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	10	0.22	0.1	0.16
(1,2612)	1:B:91:LYS:HE2	1:B:80:ILE:HB	10	0.22	0.1	0.16
(1,2612)	1:B:91:LYS:HE3	1:B:80:ILE:HB	10	0.22	0.1	0.16
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	10	0.22	0.1	0.16
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	10	0.22	0.1	0.16
(1,2612)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	10	0.22	0.1	0.16
(1,2612)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	10	0.22	0.1	0.16
(1,3333)	1:A:69:VAL:H	1:A:29:SER:HB3	10	0.19	0.17	0.15
(1,3333)	1:A:69:VAL:H	1:A:33:LEU:HA	10	0.19	0.17	0.15
(1,3334)	1:B:69:VAL:H	1:B:29:SER:HB3	10	0.19	0.16	0.15
(1,3334)	1:B:69:VAL:H	1:B:33:LEU:HA	10	0.19	0.16	0.15
(1,649)	1:A:49:LYS:HG2	1:A:49:LYS:HA	10	0.14	0.02	0.14
(1,649)	1:A:49:LYS:HG3	1:A:49:LYS:HA	10	0.14	0.02	0.14
(1,650)	1:B:49:LYS:HG2	1:B:49:LYS:HA	10	0.14	0.02	0.14
(1,650)	1:B:49:LYS:HG3	1:B:49:LYS:HA	10	0.14	0.02	0.14
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD12	10	0.12	0.01	0.12
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD11	10	0.12	0.01	0.12
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD13	10	0.12	0.01	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD22	10	0.12	0.01	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD21	10	0.12	0.01	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD23	10	0.12	0.01	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD12	10	0.12	0.01	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD11	10	0.12	0.01	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD13	10	0.12	0.01	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD12	10	0.12	0.01	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD11	10	0.12	0.01	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD13	10	0.12	0.01	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD22	10	0.12	0.01	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD21	10	0.12	0.01	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD23	10	0.12	0.01	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD12	10	0.12	0.01	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD11	10	0.12	0.01	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD13	10	0.12	0.01	0.12
(1,1085)	1:A:46:LYS:H	1:A:90:HIS:HA	9	1.35	0.87	1.77
(1,1086)	1:B:46:LYS:H	1:B:90:HIS:HA	9	1.35	0.87	1.78
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	9	0.81	0.39	0.94
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	9	0.81	0.39	0.94
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	9	0.81	0.39	0.94
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	9	0.81	0.39	0.94

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,296)	1:B:83:LYS:HB3	1:B:80:ILE:HA	9	0.46	0.25	0.32
(1,295)	1:A:83:LYS:HB3	1:A:80:ILE:HA	9	0.46	0.25	0.32
(1,1854)	1:B:53:VAL:H	1:B:55:ASP:HB2	9	0.44	0.17	0.43
(1,1854)	1:B:54:ILE:H	1:B:55:ASP:HB2	9	0.44	0.17	0.43
(1,1853)	1:A:53:VAL:H	1:A:55:ASP:HB2	9	0.43	0.16	0.43
(1,1853)	1:A:54:ILE:H	1:A:55:ASP:HB2	9	0.43	0.16	0.43
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB2	9	0.23	0.1	0.17
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB3	9	0.23	0.1	0.17
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB2	9	0.23	0.1	0.17
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB3	9	0.23	0.1	0.17
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	9	0.22	0.1	0.17
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	9	0.22	0.1	0.17
(1,2562)	1:B:91:LYS:HE2	1:B:80:ILE:HB	9	0.22	0.1	0.17
(1,2562)	1:B:91:LYS:HE3	1:B:80:ILE:HB	9	0.22	0.1	0.17
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	9	0.22	0.1	0.17
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	9	0.22	0.1	0.17
(1,2562)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	9	0.22	0.1	0.17
(1,2562)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	9	0.22	0.1	0.17
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	9	0.22	0.1	0.17
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	9	0.22	0.1	0.17
(1,2561)	1:A:91:LYS:HE2	1:A:80:ILE:HB	9	0.22	0.1	0.17
(1,2561)	1:A:91:LYS:HE3	1:A:80:ILE:HB	9	0.22	0.1	0.17
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	9	0.22	0.1	0.17
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	9	0.22	0.1	0.17
(1,2561)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	9	0.22	0.1	0.17
(1,2561)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	9	0.22	0.1	0.17
(1,2299)	1:A:53:VAL:HA	1:A:50:ASP:HB3	9	0.21	0.06	0.2
(1,2299)	1:A:53:VAL:HA	1:A:55:ASP:HB2	9	0.21	0.06	0.2
(1,1453)	1:A:35:GLN:H	1:A:35:GLN:HG3	9	0.15	0.04	0.17
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG22	9	0.15	0.03	0.14
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG21	9	0.15	0.03	0.14
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG23	9	0.15	0.03	0.14
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG22	9	0.15	0.03	0.14
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG21	9	0.15	0.03	0.14
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG23	9	0.15	0.03	0.14
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG22	9	0.15	0.03	0.14
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG21	9	0.15	0.03	0.14
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG23	9	0.15	0.03	0.14
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG22	9	0.15	0.03	0.14
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG21	9	0.15	0.03	0.14
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG23	9	0.15	0.03	0.14
(2,31)	1:A:35:GLN:HB3	1:A:31:GLY:HA2	8	1.26	0.11	1.23

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(2,32)	1:B:35:GLN:HB3	1:B:31:GLY:HA2	8	1.26	0.11	1.23
(2,133)	1:A:32:GLU:H	1:A:35:GLN:HB3	8	0.97	0.07	0.96
(2,134)	1:B:32:GLU:H	1:B:35:GLN:HB3	8	0.97	0.07	0.96
(1,2169)	1:A:59:GLN:HA	1:A:58:PHE:HB2	8	0.34	0.1	0.38
(1,2169)	1:A:86:HIS:HA	1:A:88:HIS:HB3	8	0.34	0.1	0.38
(1,2170)	1:B:59:GLN:HA	1:B:58:PHE:HB2	8	0.34	0.1	0.38
(1,2170)	1:B:86:HIS:HA	1:B:88:HIS:HB3	8	0.34	0.1	0.38
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB2	8	0.24	0.1	0.22
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB3	8	0.24	0.1	0.22
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB2	8	0.24	0.1	0.22
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB3	8	0.24	0.1	0.22
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE2	8	0.19	0.02	0.19
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE3	8	0.19	0.02	0.19
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	8	0.19	0.02	0.19
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	8	0.19	0.02	0.19
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE2	8	0.19	0.02	0.19
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE3	8	0.19	0.02	0.19
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	8	0.19	0.02	0.19
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	8	0.19	0.02	0.19
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG2	8	0.16	0.03	0.17
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG3	8	0.16	0.03	0.17
(1,2385)	1:A:8:LEU:HB2	1:A:12:VAL:HB	8	0.16	0.03	0.17
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG2	8	0.16	0.03	0.17
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG3	8	0.16	0.03	0.17
(1,2385)	1:A:8:LEU:HB3	1:A:12:VAL:HB	8	0.16	0.03	0.17
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG2	8	0.16	0.03	0.18
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG3	8	0.16	0.03	0.18
(1,2386)	1:B:8:LEU:HB2	1:B:12:VAL:HB	8	0.16	0.03	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG2	8	0.16	0.03	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG3	8	0.16	0.03	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:12:VAL:HB	8	0.16	0.03	0.18
(1,1454)	1:B:35:GLN:H	1:B:35:GLN:HG3	8	0.16	0.04	0.18
(1,2695)	1:A:57:ILE:HA	1:A:45:ILE:HB	8	0.13	0.02	0.12
(1,2695)	1:A:61:LEU:HB2	1:A:57:ILE:HA	8	0.13	0.02	0.12
(1,2695)	1:A:57:ILE:HA	1:A:91:LYS:HD3	8	0.13	0.02	0.12
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB2	8	0.13	0.02	0.12
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB3	8	0.13	0.02	0.12
(1,2669)	1:A:54:ILE:HB	1:A:57:ILE:HB	8	0.13	0.02	0.12
(1,2341)	1:A:30:LYS:HB2	1:A:30:LYS:HE2	7	0.56	0.13	0.63
(1,2341)	1:A:30:LYS:HB3	1:A:30:LYS:HE2	7	0.56	0.13	0.63
(1,2342)	1:B:30:LYS:HB2	1:B:30:LYS:HE2	7	0.56	0.13	0.63
(1,2342)	1:B:30:LYS:HB3	1:B:30:LYS:HE2	7	0.56	0.13	0.63

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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:53:VAL:HA	1:B:50:ASP:HB3	7	0.23	0.04	0.24
(1,2300)	1:B:53:VAL:HA	1:B:55:ASP:HB2	7	0.23	0.04	0.24
(1,3501)	1:A:67:GLU:H	1:A:66:ASP:HB3	7	0.2	0.03	0.2
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG2	7	0.2	0.03	0.2
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG3	7	0.2	0.03	0.2
(1,3502)	1:B:67:GLU:H	1:B:66:ASP:HB3	7	0.2	0.03	0.19
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG2	7	0.2	0.03	0.19
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG3	7	0.2	0.03	0.19
(1,917)	1:A:91:LYS:H	1:A:90:HIS:H	7	0.15	0.04	0.15
(1,3579)	1:A:8:LEU:H	1:A:78:VAL:HB	7	0.15	0.03	0.13
(1,3579)	1:A:8:LEU:H	1:B:40:GLU:HB3	7	0.15	0.03	0.13
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB2	7	0.15	0.03	0.13
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB3	7	0.15	0.03	0.13
(1,3579)	1:A:8:LEU:H	1:B:78:VAL:HB	7	0.15	0.03	0.13
(1,3580)	1:B:8:LEU:H	1:B:78:VAL:HB	7	0.15	0.03	0.14
(1,3580)	1:B:8:LEU:H	1:A:40:GLU:HB3	7	0.15	0.03	0.14
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB2	7	0.15	0.03	0.14
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB3	7	0.15	0.03	0.14
(1,3580)	1:B:8:LEU:H	1:A:78:VAL:HB	7	0.15	0.03	0.14
(1,2697)	1:A:45:ILE:HB	1:A:48:ILE:HA	7	0.14	0.02	0.13
(1,2697)	1:A:49:LYS:HD2	1:A:48:ILE:HA	7	0.14	0.02	0.13
(1,2697)	1:A:49:LYS:HD3	1:A:48:ILE:HA	7	0.14	0.02	0.13
(1,2698)	1:B:45:ILE:HB	1:B:48:ILE:HA	7	0.14	0.02	0.13
(1,2698)	1:B:49:LYS:HD2	1:B:48:ILE:HA	7	0.14	0.02	0.13
(1,2698)	1:B:49:LYS:HD3	1:B:48:ILE:HA	7	0.14	0.02	0.13
(1,2696)	1:B:57:ILE:HA	1:B:45:ILE:HB	7	0.14	0.02	0.13
(1,2696)	1:B:61:LEU:HB2	1:B:57:ILE:HA	7	0.14	0.02	0.13
(1,2696)	1:B:57:ILE:HA	1:B:91:LYS:HD3	7	0.14	0.02	0.13
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB2	7	0.14	0.02	0.14
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB2	7	0.14	0.02	0.14
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB2	7	0.14	0.02	0.14
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB3	7	0.14	0.02	0.14
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB3	7	0.14	0.02	0.14
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB3	7	0.14	0.02	0.14
(1,1697)	1:A:8:LEU:HG	1:B:11:ILE:HB	7	0.14	0.02	0.14
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG2	7	0.14	0.02	0.14
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG3	7	0.14	0.02	0.14
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB2	7	0.13	0.02	0.13
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB3	7	0.13	0.02	0.13
(1,2670)	1:B:54:ILE:HB	1:B:57:ILE:HB	7	0.13	0.02	0.13
(3,104)	1:B:40:GLU:N	1:B:36:LEU:O	7	0.12	0.01	0.12
(3,32)	1:A:40:GLU:N	1:A:36:LEU:O	7	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)
(1,562)	1:B:39:LYS:HD2	1:B:35:GLN:HG2	6	0.54	0.35	0.58
(1,562)	1:B:39:LYS:HD3	1:B:35:GLN:HG2	6	0.54	0.35	0.58
(2,55)	1:A:70:ASP:HB3	1:A:74:PHE:HB2	6	0.36	0.07	0.32
(2,56)	1:B:70:ASP:HB3	1:B:74:PHE:HB2	6	0.36	0.07	0.32
(2,71)	1:A:32:GLU:HB2	1:A:36:LEU:HB2	6	0.28	0.09	0.25
(2,72)	1:B:32:GLU:HB2	1:B:36:LEU:HB2	6	0.28	0.09	0.25
(1,2330)	1:B:39:LYS:HE3	1:B:35:GLN:HB2	6	0.25	0.11	0.23
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	6	0.25	0.11	0.23
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	6	0.25	0.11	0.23
(1,2329)	1:A:39:LYS:HE3	1:A:35:GLN:HB2	6	0.25	0.11	0.24
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	6	0.25	0.11	0.24
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	6	0.25	0.11	0.24
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD22	6	0.22	0.04	0.22
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD21	6	0.22	0.04	0.22
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD23	6	0.22	0.04	0.22
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD12	6	0.22	0.04	0.22
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD11	6	0.22	0.04	0.22
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD13	6	0.22	0.04	0.22
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	6	0.22	0.04	0.22
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	6	0.22	0.04	0.22
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	6	0.22	0.04	0.22
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	6	0.22	0.04	0.22
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	6	0.22	0.04	0.22
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	6	0.22	0.04	0.22
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD22	6	0.21	0.04	0.22
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD21	6	0.21	0.04	0.22
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD23	6	0.21	0.04	0.22
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD12	6	0.21	0.04	0.22
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD11	6	0.21	0.04	0.22
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD13	6	0.21	0.04	0.22
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	6	0.21	0.04	0.22
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	6	0.21	0.04	0.22
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	6	0.21	0.04	0.22
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	6	0.21	0.04	0.22
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	6	0.21	0.04	0.22
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	6	0.21	0.04	0.22
(1,3291)	1:A:84:ALA:H	1:A:92:GLU:H	6	0.16	0.03	0.15
(1,3291)	1:A:92:GLU:H	1:A:89:THR:H	6	0.16	0.03	0.15
(1,918)	1:B:91:LYS:H	1:B:90:HIS:H	6	0.15	0.04	0.14
(1,3292)	1:B:84:ALA:H	1:B:92:GLU:H	6	0.15	0.03	0.15
(1,3292)	1:B:92:GLU:H	1:B:89:THR:H	6	0.15	0.03	0.15
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE2	6	0.14	0.04	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE3	6	0.14	0.04	0.14
(1,3443)	1:A:41:LEU:H	1:A:43:ASN:HB2	6	0.14	0.04	0.14
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE2	6	0.14	0.04	0.14
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE3	6	0.14	0.04	0.14
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB2	6	0.14	0.02	0.14
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB2	6	0.14	0.02	0.14
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB2	6	0.14	0.02	0.14
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB3	6	0.14	0.02	0.14
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB3	6	0.14	0.02	0.14
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB3	6	0.14	0.02	0.14
(1,1698)	1:B:8:LEU:HG	1:A:11:ILE:HB	6	0.14	0.02	0.14
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG2	6	0.14	0.02	0.14
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG3	6	0.14	0.02	0.14
(1,2026)	1:B:82:LEU:HD12	1:B:82:LEU:HA	6	0.14	0.03	0.13
(1,2026)	1:B:82:LEU:HD11	1:B:82:LEU:HA	6	0.14	0.03	0.13
(1,2026)	1:B:82:LEU:HD13	1:B:82:LEU:HA	6	0.14	0.03	0.13
(1,2026)	1:B:82:LEU:HD12	1:A:8:LEU:HA	6	0.14	0.03	0.13
(1,2026)	1:B:82:LEU:HD11	1:A:8:LEU:HA	6	0.14	0.03	0.13
(1,2026)	1:B:82:LEU:HD13	1:A:8:LEU:HA	6	0.14	0.03	0.13
(1,2025)	1:A:82:LEU:HD12	1:A:82:LEU:HA	6	0.13	0.03	0.12
(1,2025)	1:A:82:LEU:HD11	1:A:82:LEU:HA	6	0.13	0.03	0.12
(1,2025)	1:A:82:LEU:HD13	1:A:82:LEU:HA	6	0.13	0.03	0.12
(1,2025)	1:A:82:LEU:HD12	1:B:8:LEU:HA	6	0.13	0.03	0.12
(1,2025)	1:A:82:LEU:HD11	1:B:8:LEU:HA	6	0.13	0.03	0.12
(1,2025)	1:A:82:LEU:HD13	1:B:8:LEU:HA	6	0.13	0.03	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD22	6	0.13	0.01	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD21	6	0.13	0.01	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD23	6	0.13	0.01	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD12	6	0.13	0.01	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD11	6	0.13	0.01	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD13	6	0.13	0.01	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD22	6	0.13	0.01	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD21	6	0.13	0.01	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD23	6	0.13	0.01	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD12	6	0.13	0.01	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD11	6	0.13	0.01	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD13	6	0.13	0.01	0.12
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG22	6	0.12	0.01	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG21	6	0.12	0.01	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG23	6	0.12	0.01	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD12	6	0.12	0.01	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD11	6	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)
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD13	6	0.12	0.01	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG22	6	0.12	0.01	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG21	6	0.12	0.01	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG23	6	0.12	0.01	0.11
(1,557)	1:A:91:LYS:HD3	1:A:80:ILE:HA	5	0.77	0.56	0.93
(1,558)	1:B:91:LYS:HD3	1:B:80:ILE:HA	5	0.77	0.56	0.93
(1,561)	1:A:39:LYS:HD2	1:A:35:GLN:HG2	5	0.62	0.32	0.6
(1,561)	1:A:39:LYS:HD3	1:A:35:GLN:HG2	5	0.62	0.32	0.6
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE2	5	0.36	0.14	0.37
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE3	5	0.36	0.14	0.37
(1,2337)	1:A:58:PHE:HB2	1:A:59:GLN:HG3	5	0.36	0.14	0.37
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE2	5	0.36	0.14	0.37
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE3	5	0.36	0.14	0.37
(1,2338)	1:B:58:PHE:HB2	1:B:59:GLN:HG3	5	0.36	0.14	0.37
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG2	5	0.25	0.28	0.11
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG3	5	0.25	0.28	0.11
(1,1987)	1:A:30:LYS:HD2	1:A:29:SER:HB3	5	0.24	0.08	0.27
(1,1987)	1:A:30:LYS:HD2	1:A:32:GLU:HA	5	0.24	0.08	0.27
(1,1987)	1:A:30:LYS:HD2	1:A:33:LEU:HA	5	0.24	0.08	0.27
(1,1987)	1:A:30:LYS:HD3	1:A:29:SER:HB3	5	0.24	0.08	0.27
(1,1987)	1:A:30:LYS:HD3	1:A:33:LEU:HA	5	0.24	0.08	0.27
(1,1987)	1:A:30:LYS:HD3	1:A:56:GLU:HA	5	0.24	0.08	0.27
(1,1988)	1:B:30:LYS:HD2	1:B:29:SER:HB3	5	0.24	0.08	0.27
(1,1988)	1:B:30:LYS:HD2	1:B:32:GLU:HA	5	0.24	0.08	0.27
(1,1988)	1:B:30:LYS:HD2	1:B:33:LEU:HA	5	0.24	0.08	0.27
(1,1988)	1:B:30:LYS:HD3	1:B:29:SER:HB3	5	0.24	0.08	0.27
(1,1988)	1:B:30:LYS:HD3	1:B:33:LEU:HA	5	0.24	0.08	0.27
(1,1988)	1:B:30:LYS:HD3	1:B:56:GLU:HA	5	0.24	0.08	0.27
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB2	5	0.17	0.06	0.17
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB2	5	0.17	0.06	0.17
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB2	5	0.17	0.06	0.17
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB3	5	0.17	0.06	0.17
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB3	5	0.17	0.06	0.17
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB3	5	0.17	0.06	0.17
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB2	5	0.17	0.06	0.17
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB3	5	0.17	0.06	0.17
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB2	5	0.17	0.06	0.17
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB3	5	0.17	0.06	0.17
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB2	5	0.17	0.06	0.17
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB3	5	0.17	0.06	0.17
(1,1559)	1:A:77:LEU:H	1:A:61:LEU:HB2	5	0.17	0.05	0.15
(1,1560)	1:B:77:LEU:H	1:B:61:LEU:HB2	5	0.17	0.05	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE2	5	0.17	0.04	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE3	5	0.17	0.04	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE2	5	0.17	0.04	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE3	5	0.17	0.04	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE2	5	0.17	0.04	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE3	5	0.17	0.04	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:58:PHE:HB3	5	0.17	0.04	0.15
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE2	5	0.17	0.04	0.15
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE3	5	0.17	0.04	0.15
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE2	5	0.17	0.04	0.15
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE3	5	0.17	0.04	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE2	5	0.16	0.05	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE3	5	0.16	0.05	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE2	5	0.16	0.05	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE3	5	0.16	0.05	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE2	5	0.16	0.05	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE3	5	0.16	0.05	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:58:PHE:HB3	5	0.16	0.05	0.15
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE2	5	0.16	0.05	0.15
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE3	5	0.16	0.05	0.15
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE2	5	0.16	0.05	0.15
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE3	5	0.16	0.05	0.15
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE2	5	0.16	0.03	0.14
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE3	5	0.16	0.03	0.14
(1,3444)	1:B:41:LEU:H	1:B:43:ASN:HB2	5	0.16	0.03	0.14
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE2	5	0.16	0.03	0.14
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE3	5	0.16	0.03	0.14
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD2	5	0.14	0.02	0.14
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD3	5	0.14	0.02	0.14
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD2	5	0.14	0.02	0.14
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD3	5	0.14	0.02	0.14
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD2	5	0.14	0.02	0.14
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD3	5	0.14	0.02	0.14
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD2	5	0.14	0.02	0.14
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD3	5	0.14	0.02	0.14
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB2	5	0.14	0.03	0.14
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB3	5	0.14	0.03	0.14
(1,2059)	1:A:83:LYS:HD2	1:A:79:ALA:HA	5	0.14	0.02	0.13
(1,2059)	1:A:83:LYS:HD3	1:A:79:ALA:HA	5	0.14	0.02	0.13
(1,2059)	1:A:83:LYS:HD2	1:A:81:ALA:HA	5	0.14	0.02	0.13
(1,2059)	1:A:83:LYS:HD3	1:A:81:ALA:HA	5	0.14	0.02	0.13
(1,2060)	1:B:83:LYS:HD2	1:B:79:ALA:HA	5	0.14	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)
(1,2060)	1:B:83:LYS:HD3	1:B:79:ALA:HA	5	0.14	0.02	0.13
(1,2060)	1:B:83:LYS:HD2	1:B:81:ALA:HA	5	0.14	0.02	0.13
(1,2060)	1:B:83:LYS:HD3	1:B:81:ALA:HA	5	0.14	0.02	0.13
(2,127)	1:A:18:TYR:H	1:A:36:LEU:HA	5	0.14	0.02	0.13
(2,128)	1:B:18:TYR:H	1:B:36:LEU:HA	5	0.14	0.02	0.13
(1,556)	1:B:45:ILE:HB	1:B:44:THR:HB	5	0.13	0.01	0.13
(1,555)	1:A:45:ILE:HB	1:A:44:THR:HB	5	0.13	0.01	0.13
(1,2407)	1:A:52:ALA:HB2	1:A:53:VAL:HB	5	0.12	0.01	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:53:VAL:HB	5	0.12	0.01	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:53:VAL:HB	5	0.12	0.01	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG2	5	0.12	0.01	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG2	5	0.12	0.01	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG2	5	0.12	0.01	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG3	5	0.12	0.01	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG3	5	0.12	0.01	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG3	5	0.12	0.01	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:53:VAL:HB	5	0.12	0.01	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:53:VAL:HB	5	0.12	0.01	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:53:VAL:HB	5	0.12	0.01	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG2	5	0.12	0.01	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG2	5	0.12	0.01	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG2	5	0.12	0.01	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG3	5	0.12	0.01	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG3	5	0.12	0.01	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG3	5	0.12	0.01	0.12
(3,17)	1:A:18:TYR:H	1:A:14:ILE:O	5	0.12	0.01	0.12
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG22	5	0.12	0.01	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG21	5	0.12	0.01	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG23	5	0.12	0.01	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD12	5	0.12	0.01	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD11	5	0.12	0.01	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD13	5	0.12	0.01	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG22	5	0.12	0.01	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG21	5	0.12	0.01	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG23	5	0.12	0.01	0.11
(3,20)	1:A:34:LYS:N	1:A:30:LYS:O	5	0.11	0.0	0.11
(3,92)	1:B:34:LYS:N	1:B:30:LYS:O	5	0.11	0.0	0.11
(2,66)	1:B:35:GLN:HB3	1:B:32:GLU:HB2	4	1.02	0.07	1.0
(2,65)	1:A:35:GLN:HB3	1:A:32:GLU:HB2	4	1.02	0.07	1.0
(1,1539)	1:A:84:ALA:H	1:A:91:LYS:HD3	4	0.78	0.46	0.76
(1,1540)	1:B:84:ALA:H	1:B:91:LYS:HD3	4	0.78	0.46	0.76
(1,2841)	1:A:55:ASP:HB2	1:A:51:LYS:HG2	4	0.38	0.04	0.38

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2841)	1:A:55:ASP:HB2	1:A:51:LYS:HG3	4	0.38	0.04	0.38
(1,2841)	1:A:52:ALA:HB2	1:A:55:ASP:HB2	4	0.38	0.04	0.38
(1,2841)	1:A:52:ALA:HB1	1:A:55:ASP:HB2	4	0.38	0.04	0.38
(1,2841)	1:A:52:ALA:HB3	1:A:55:ASP:HB2	4	0.38	0.04	0.38
(1,2842)	1:B:55:ASP:HB2	1:B:51:LYS:HG2	4	0.38	0.04	0.38
(1,2842)	1:B:55:ASP:HB2	1:B:51:LYS:HG3	4	0.38	0.04	0.38
(1,2842)	1:B:52:ALA:HB2	1:B:55:ASP:HB2	4	0.38	0.04	0.38
(1,2842)	1:B:52:ALA:HB1	1:B:55:ASP:HB2	4	0.38	0.04	0.38
(1,2842)	1:B:52:ALA:HB3	1:B:55:ASP:HB2	4	0.38	0.04	0.38
(1,2365)	1:A:53:VAL:HB	1:A:50:ASP:HB2	4	0.31	0.13	0.32
(1,2365)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	4	0.31	0.13	0.32
(1,2365)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	4	0.31	0.13	0.32
(1,2366)	1:B:53:VAL:HB	1:B:50:ASP:HB2	4	0.31	0.12	0.32
(1,2366)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	4	0.31	0.12	0.32
(1,2366)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	4	0.31	0.12	0.32
(1,1440)	1:B:73:GLU:H	1:B:72:GLN:HG2	4	0.29	0.3	0.12
(1,1440)	1:B:73:GLU:H	1:B:72:GLN:HG3	4	0.29	0.3	0.12
(1,419)	1:A:53:VAL:HB	1:A:50:ASP:HB2	4	0.26	0.05	0.24
(1,420)	1:B:53:VAL:HB	1:B:50:ASP:HB2	4	0.25	0.05	0.24
(1,2351)	1:A:36:LEU:HB2	1:A:40:GLU:HB2	4	0.22	0.13	0.18
(1,2351)	1:A:36:LEU:HB3	1:A:40:GLU:HB2	4	0.22	0.13	0.18
(1,2352)	1:B:36:LEU:HB2	1:B:40:GLU:HB2	4	0.22	0.13	0.18
(1,2352)	1:B:36:LEU:HB3	1:B:40:GLU:HB2	4	0.22	0.13	0.18
(1,2591)	1:A:89:THR:HG21	1:A:83:LYS:HB2	4	0.19	0.06	0.18
(1,2591)	1:A:89:THR:HG22	1:A:83:LYS:HB2	4	0.19	0.06	0.18
(1,2591)	1:A:89:THR:HG23	1:A:83:LYS:HB2	4	0.19	0.06	0.18
(1,2591)	1:A:89:THR:HG21	1:A:83:LYS:HB3	4	0.19	0.06	0.18
(1,2591)	1:A:89:THR:HG22	1:A:83:LYS:HB3	4	0.19	0.06	0.18
(1,2591)	1:A:89:THR:HG23	1:A:83:LYS:HB3	4	0.19	0.06	0.18
(1,2591)	1:A:89:THR:HG21	1:B:9:GLU:HB2	4	0.19	0.06	0.18
(1,2591)	1:A:89:THR:HG21	1:B:9:GLU:HB3	4	0.19	0.06	0.18
(1,2591)	1:A:89:THR:HG22	1:B:9:GLU:HB2	4	0.19	0.06	0.18
(1,2591)	1:A:89:THR:HG22	1:B:9:GLU:HB3	4	0.19	0.06	0.18
(1,2591)	1:A:89:THR:HG23	1:B:9:GLU:HB2	4	0.19	0.06	0.18
(1,2591)	1:A:89:THR:HG23	1:B:9:GLU:HB3	4	0.19	0.06	0.18
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD12	4	0.19	0.04	0.18
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD11	4	0.19	0.04	0.18
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD13	4	0.19	0.04	0.18
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD12	4	0.19	0.04	0.18
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD11	4	0.19	0.04	0.18
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD13	4	0.19	0.04	0.18
(1,3178)	1:B:45:ILE:HG22	1:B:91:LYS:HE2	4	0.19	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)
(1,3178)	1:B:45:ILE:HG22	1:B:91:LYS:HE3	4	0.19	0.04	0.18
(1,3178)	1:B:45:ILE:HG21	1:B:91:LYS:HE2	4	0.19	0.04	0.18
(1,3178)	1:B:45:ILE:HG21	1:B:91:LYS:HE3	4	0.19	0.04	0.18
(1,3178)	1:B:45:ILE:HG23	1:B:91:LYS:HE2	4	0.19	0.04	0.18
(1,3178)	1:B:45:ILE:HG23	1:B:91:LYS:HE3	4	0.19	0.04	0.18
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD12	4	0.18	0.04	0.18
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD11	4	0.18	0.04	0.18
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD13	4	0.18	0.04	0.18
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD12	4	0.18	0.04	0.18
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD11	4	0.18	0.04	0.18
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD13	4	0.18	0.04	0.18
(1,3177)	1:A:45:ILE:HG22	1:A:91:LYS:HE2	4	0.18	0.04	0.18
(1,3177)	1:A:45:ILE:HG22	1:A:91:LYS:HE3	4	0.18	0.04	0.18
(1,3177)	1:A:45:ILE:HG21	1:A:91:LYS:HE2	4	0.18	0.04	0.18
(1,3177)	1:A:45:ILE:HG21	1:A:91:LYS:HE3	4	0.18	0.04	0.18
(1,3177)	1:A:45:ILE:HG23	1:A:91:LYS:HE2	4	0.18	0.04	0.18
(1,3177)	1:A:45:ILE:HG23	1:A:91:LYS:HE3	4	0.18	0.04	0.18
(1,2314)	1:B:54:ILE:HB	1:B:55:ASP:HB2	4	0.15	0.03	0.14
(1,2314)	1:B:54:ILE:HB	1:B:55:ASP:HB3	4	0.15	0.03	0.14
(1,35)	1:A:90:HIS:H	1:A:89:THR:HB	4	0.14	0.04	0.13
(1,36)	1:B:90:HIS:H	1:B:89:THR:HB	4	0.14	0.04	0.13
(1,1524)	1:B:60:GLY:H	1:B:57:ILE:HB	4	0.14	0.01	0.14
(1,1523)	1:A:60:GLY:H	1:A:57:ILE:HB	4	0.14	0.01	0.14
(1,1892)	1:B:46:LYS:HG2	1:B:90:HIS:HA	4	0.14	0.03	0.14
(1,1892)	1:B:46:LYS:HG3	1:B:90:HIS:HA	4	0.14	0.03	0.14
(1,1413)	1:A:59:GLN:H	1:A:59:GLN:HG3	4	0.13	0.02	0.12
(3,89)	1:B:18:TYR:H	1:B:14:ILE:O	4	0.12	0.01	0.12
(3,115)	1:B:60:GLY:H	1:B:56:GLU:O	4	0.12	0.01	0.11
(3,114)	1:B:59:GLN:N	1:B:55:ASP:O	4	0.11	0.0	0.11
(1,554)	1:B:75:ILE:HD12	1:A:91:LYS:HD3	3	0.98	0.22	1.04
(1,554)	1:B:75:ILE:HD11	1:A:91:LYS:HD3	3	0.98	0.22	1.04
(1,554)	1:B:75:ILE:HD13	1:A:91:LYS:HD3	3	0.98	0.22	1.04
(1,553)	1:A:75:ILE:HD12	1:B:91:LYS:HD3	3	0.96	0.22	1.01
(1,553)	1:A:75:ILE:HD11	1:B:91:LYS:HD3	3	0.96	0.22	1.01
(1,553)	1:A:75:ILE:HD13	1:B:91:LYS:HD3	3	0.96	0.22	1.01
(1,617)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	3	0.53	0.05	0.57
(1,617)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	3	0.53	0.05	0.57
(1,617)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	3	0.53	0.05	0.57
(1,618)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	3	0.53	0.05	0.57
(1,618)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	3	0.53	0.05	0.57
(1,618)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	3	0.53	0.05	0.57
(2,10)	1:B:80:ILE:H	1:B:91:LYS:HD3	3	0.5	0.33	0.33

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(2,9)	1:A:80:ILE:H	1:A:91:LYS:HD3	3	0.5	0.33	0.32
(1,2209)	1:A:61:LEU:HB2	1:A:74:PHE:HB2	3	0.34	0.15	0.37
(1,2209)	1:A:61:LEU:HB2	1:A:74:PHE:HB3	3	0.34	0.15	0.37
(1,3103)	1:A:30:LYS:HG2	1:A:30:LYS:HD3	3	0.34	0.06	0.35
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG22	3	0.34	0.06	0.35
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG21	3	0.34	0.06	0.35
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG23	3	0.34	0.06	0.35
(1,3104)	1:B:30:LYS:HG2	1:B:30:LYS:HD3	3	0.34	0.06	0.35
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG22	3	0.34	0.06	0.35
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG21	3	0.34	0.06	0.35
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG23	3	0.34	0.06	0.35
(1,2210)	1:B:61:LEU:HB2	1:B:74:PHE:HB2	3	0.33	0.15	0.37
(1,2210)	1:B:61:LEU:HB2	1:B:74:PHE:HB3	3	0.33	0.15	0.37
(1,1694)	1:B:75:ILE:HD12	1:A:83:LYS:HE2	3	0.19	0.08	0.17
(1,1694)	1:B:75:ILE:HD11	1:A:83:LYS:HE2	3	0.19	0.08	0.17
(1,1694)	1:B:75:ILE:HD13	1:A:83:LYS:HE2	3	0.19	0.08	0.17
(1,1694)	1:B:75:ILE:HD12	1:A:83:LYS:HE3	3	0.19	0.08	0.17
(1,1694)	1:B:75:ILE:HD11	1:A:83:LYS:HE3	3	0.19	0.08	0.17
(1,1694)	1:B:75:ILE:HD13	1:A:83:LYS:HE3	3	0.19	0.08	0.17
(1,1935)	1:A:54:ILE:HG12	1:A:49:LYS:HA	3	0.18	0.05	0.19
(1,1935)	1:A:83:LYS:HD2	1:A:84:ALA:HA	3	0.18	0.05	0.19
(1,1935)	1:A:83:LYS:HD3	1:A:84:ALA:HA	3	0.18	0.05	0.19
(1,1935)	1:A:83:LYS:HD2	1:A:87:TYR:HA	3	0.18	0.05	0.19
(1,1935)	1:A:83:LYS:HD3	1:A:87:TYR:HA	3	0.18	0.05	0.19
(1,1935)	1:A:83:LYS:HD2	1:A:91:LYS:HA	3	0.18	0.05	0.19
(1,1935)	1:A:83:LYS:HD3	1:A:91:LYS:HA	3	0.18	0.05	0.19
(1,1935)	1:A:91:LYS:HD2	1:A:84:ALA:HA	3	0.18	0.05	0.19
(1,1935)	1:A:91:LYS:HD2	1:A:91:LYS:HA	3	0.18	0.05	0.19
(1,1936)	1:B:54:ILE:HG12	1:B:49:LYS:HA	3	0.18	0.05	0.19
(1,1936)	1:B:83:LYS:HD2	1:B:84:ALA:HA	3	0.18	0.05	0.19
(1,1936)	1:B:83:LYS:HD3	1:B:84:ALA:HA	3	0.18	0.05	0.19
(1,1936)	1:B:83:LYS:HD2	1:B:87:TYR:HA	3	0.18	0.05	0.19
(1,1936)	1:B:83:LYS:HD3	1:B:87:TYR:HA	3	0.18	0.05	0.19
(1,1936)	1:B:83:LYS:HD2	1:B:91:LYS:HA	3	0.18	0.05	0.19
(1,1936)	1:B:83:LYS:HD3	1:B:91:LYS:HA	3	0.18	0.05	0.19
(1,1936)	1:B:91:LYS:HD2	1:B:84:ALA:HA	3	0.18	0.05	0.19
(1,1936)	1:B:91:LYS:HD2	1:B:91:LYS:HA	3	0.18	0.05	0.19
(1,1891)	1:A:46:LYS:HG2	1:A:90:HIS:HA	3	0.15	0.03	0.16
(1,1891)	1:A:46:LYS:HG3	1:A:90:HIS:HA	3	0.15	0.03	0.16
(1,3662)	1:B:61:LEU:H	1:B:33:LEU:HG	3	0.15	0.03	0.16
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB2	3	0.15	0.03	0.16
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB1	3	0.15	0.03	0.16

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB3	3	0.15	0.03	0.16
(1,3662)	1:B:61:LEU:H	1:B:77:LEU:HB2	3	0.15	0.03	0.16
(1,3662)	1:B:61:LEU:H	1:B:77:LEU:HB3	3	0.15	0.03	0.16
(1,3661)	1:A:61:LEU:H	1:A:33:LEU:HG	3	0.14	0.02	0.16
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB2	3	0.14	0.02	0.16
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB1	3	0.14	0.02	0.16
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB3	3	0.14	0.02	0.16
(1,3661)	1:A:61:LEU:H	1:A:77:LEU:HB2	3	0.14	0.02	0.16
(1,3661)	1:A:61:LEU:H	1:A:77:LEU:HB3	3	0.14	0.02	0.16
(2,15)	1:A:39:LYS:HB2	1:A:42:ALA:H	3	0.14	0.01	0.14
(2,16)	1:B:39:LYS:HB2	1:B:42:ALA:H	3	0.14	0.01	0.14
(2,96)	1:B:83:LYS:H	1:B:79:ALA:H	3	0.14	0.01	0.15
(2,95)	1:A:83:LYS:H	1:A:79:ALA:H	3	0.14	0.01	0.14
(1,75)	1:A:41:LEU:H	1:A:40:GLU:HG2	3	0.14	0.02	0.13
(1,75)	1:A:41:LEU:H	1:A:40:GLU:HG3	3	0.14	0.02	0.13
(1,76)	1:B:41:LEU:H	1:B:40:GLU:HG2	3	0.14	0.02	0.13
(1,76)	1:B:41:LEU:H	1:B:40:GLU:HG3	3	0.14	0.02	0.13
(1,2262)	1:B:72:GLN:HG2	1:A:83:LYS:HE2	3	0.14	0.02	0.15
(1,2262)	1:B:72:GLN:HG3	1:A:83:LYS:HE2	3	0.14	0.02	0.15
(1,2262)	1:B:72:GLN:HG2	1:A:83:LYS:HE3	3	0.14	0.02	0.15
(1,2262)	1:B:72:GLN:HG3	1:A:83:LYS:HE3	3	0.14	0.02	0.15
(1,1414)	1:B:59:GLN:H	1:B:59:GLN:HG3	3	0.13	0.02	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD22	3	0.13	0.0	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD21	3	0.13	0.0	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD23	3	0.13	0.0	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD12	3	0.13	0.0	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD11	3	0.13	0.0	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD13	3	0.13	0.0	0.13
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD12	3	0.13	0.0	0.13
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD11	3	0.13	0.0	0.13
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD13	3	0.13	0.0	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD22	3	0.13	0.0	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD21	3	0.13	0.0	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD23	3	0.13	0.0	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD12	3	0.13	0.0	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD11	3	0.13	0.0	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD13	3	0.13	0.0	0.13
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD12	3	0.13	0.0	0.13
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD11	3	0.13	0.0	0.13
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD13	3	0.13	0.0	0.13
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD22	3	0.12	0.02	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD21	3	0.12	0.02	0.11

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD23	3	0.12	0.02	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD12	3	0.12	0.02	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD11	3	0.12	0.02	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD13	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD22	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD21	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD23	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD22	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD21	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD23	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD12	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD11	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD13	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD12	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD11	3	0.12	0.02	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD13	3	0.12	0.02	0.11
(1,2993)	1:A:49:LYS:HB2	1:A:48:ILE:HG13	3	0.12	0.02	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:48:ILE:HG13	3	0.12	0.02	0.11
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG12	3	0.12	0.02	0.11
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG11	3	0.12	0.02	0.11
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG13	3	0.12	0.02	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG12	3	0.12	0.02	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG11	3	0.12	0.02	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG13	3	0.12	0.02	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD22	3	0.12	0.02	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD21	3	0.12	0.02	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD23	3	0.12	0.02	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD12	3	0.12	0.02	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD11	3	0.12	0.02	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD13	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD22	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD21	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD23	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD22	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD21	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD23	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD12	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD11	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD13	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD12	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD11	3	0.12	0.02	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD13	3	0.12	0.02	0.11

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2994)	1:B:49:LYS:HB2	1:B:48:ILE:HG13	3	0.12	0.02	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:48:ILE:HG13	3	0.12	0.02	0.11
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG12	3	0.12	0.02	0.11
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG11	3	0.12	0.02	0.11
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG13	3	0.12	0.02	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG12	3	0.12	0.02	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG11	3	0.12	0.02	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG13	3	0.12	0.02	0.11
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD12	3	0.12	0.01	0.12
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD11	3	0.12	0.01	0.12
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD13	3	0.12	0.01	0.12
(1,3729)	1:A:37:LEU:H	1:A:36:LEU:HG	3	0.12	0.01	0.12
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD12	3	0.12	0.01	0.12
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD11	3	0.12	0.01	0.12
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD13	3	0.12	0.01	0.12
(1,3730)	1:B:37:LEU:H	1:B:36:LEU:HG	3	0.12	0.01	0.12
(1,2477)	1:A:55:ASP:HB2	1:A:56:GLU:HB2	3	0.12	0.0	0.12
(1,2477)	1:A:55:ASP:HB3	1:A:56:GLU:HB2	3	0.12	0.0	0.12
(1,2477)	1:A:55:ASP:HB3	1:A:59:GLN:HB2	3	0.12	0.0	0.12
(1,2477)	1:A:55:ASP:HB3	1:A:59:GLN:HB3	3	0.12	0.0	0.12
(1,2478)	1:B:55:ASP:HB2	1:B:56:GLU:HB2	3	0.12	0.0	0.12
(1,2478)	1:B:55:ASP:HB3	1:B:56:GLU:HB2	3	0.12	0.0	0.12
(1,2478)	1:B:55:ASP:HB3	1:B:59:GLN:HB2	3	0.12	0.0	0.12
(1,2478)	1:B:55:ASP:HB3	1:B:59:GLN:HB3	3	0.12	0.0	0.12
(3,42)	1:A:59:GLN:N	1:A:55:ASP:O	3	0.11	0.0	0.11
(1,637)	1:A:91:LYS:HB3	1:A:91:LYS:HD3	2	1.08	0.03	1.08
(1,638)	1:B:91:LYS:HB3	1:B:91:LYS:HD3	2	1.08	0.02	1.08
(1,3615)	1:A:89:THR:H	1:A:83:LYS:HD2	2	0.97	0.08	0.97
(1,3615)	1:A:89:THR:H	1:A:83:LYS:HD3	2	0.97	0.08	0.97
(1,3615)	1:A:89:THR:H	1:A:91:LYS:HB2	2	0.97	0.08	0.97
(1,3616)	1:B:89:THR:H	1:B:83:LYS:HD2	2	0.97	0.08	0.97
(1,3616)	1:B:89:THR:H	1:B:83:LYS:HD3	2	0.97	0.08	0.97
(1,3616)	1:B:89:THR:H	1:B:91:LYS:HB2	2	0.97	0.08	0.97
(1,3595)	1:A:85:ALA:H	1:A:91:LYS:HB2	2	0.86	0.05	0.86
(1,3595)	1:A:85:ALA:H	1:A:91:LYS:HD3	2	0.86	0.05	0.86
(1,3596)	1:B:85:ALA:H	1:B:91:LYS:HB2	2	0.86	0.05	0.86
(1,3596)	1:B:85:ALA:H	1:B:91:LYS:HD3	2	0.86	0.05	0.86
(1,1416)	1:B:41:LEU:H	1:B:40:GLU:HB2	2	0.78	0.04	0.78
(1,1415)	1:A:41:LEU:H	1:A:40:GLU:HB2	2	0.78	0.04	0.78
(1,1417)	1:A:37:LEU:H	1:A:40:GLU:HB2	2	0.7	0.18	0.7
(1,1418)	1:B:37:LEU:H	1:B:40:GLU:HB2	2	0.7	0.18	0.7
(1,789)	1:A:30:LYS:HD3	1:A:54:ILE:HG22	2	0.7	0.13	0.7

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,789)	1:A:30:LYS:HD3	1:A:54:ILE:HG21	2	0.7	0.13	0.7
(1,789)	1:A:30:LYS:HD3	1:A:54:ILE:HG23	2	0.7	0.13	0.7
(1,790)	1:B:30:LYS:HD3	1:B:54:ILE:HG22	2	0.7	0.13	0.7
(1,790)	1:B:30:LYS:HD3	1:B:54:ILE:HG21	2	0.7	0.13	0.7
(1,790)	1:B:30:LYS:HD3	1:B:54:ILE:HG23	2	0.7	0.13	0.7
(1,1468)	1:B:68:GLN:H	1:B:68:GLN:HG3	2	0.6	0.03	0.6
(1,1467)	1:A:68:GLN:H	1:A:68:GLN:HG3	2	0.59	0.02	0.59
(1,1333)	1:A:50:ASP:H	1:A:47:ASN:HB2	2	0.48	0.36	0.48
(1,1334)	1:B:50:ASP:H	1:B:47:ASN:HB2	2	0.48	0.36	0.48
(1,407)	1:A:36:LEU:HD22	1:A:40:GLU:HB2	2	0.38	0.21	0.38
(1,407)	1:A:36:LEU:HD21	1:A:40:GLU:HB2	2	0.38	0.21	0.38
(1,407)	1:A:36:LEU:HD23	1:A:40:GLU:HB2	2	0.38	0.21	0.38
(1,408)	1:B:36:LEU:HD22	1:B:40:GLU:HB2	2	0.38	0.21	0.38
(1,408)	1:B:36:LEU:HD21	1:B:40:GLU:HB2	2	0.38	0.21	0.38
(1,408)	1:B:36:LEU:HD23	1:B:40:GLU:HB2	2	0.38	0.21	0.38
(1,545)	1:A:46:LYS:HD2	1:A:46:LYS:HB3	2	0.32	0.18	0.32
(1,546)	1:B:46:LYS:HD2	1:B:46:LYS:HB3	2	0.32	0.18	0.32
(1,1457)	1:A:40:GLU:H	1:A:40:GLU:HG2	2	0.29	0.01	0.29
(1,1457)	1:A:40:GLU:H	1:A:40:GLU:HG3	2	0.29	0.01	0.29
(1,1458)	1:B:40:GLU:H	1:B:40:GLU:HG2	2	0.29	0.01	0.29
(1,1458)	1:B:40:GLU:H	1:B:40:GLU:HG3	2	0.29	0.01	0.29
(1,2020)	1:B:91:LYS:HD3	1:B:77:LEU:HA	2	0.28	0.02	0.28
(1,2020)	1:B:91:LYS:HD3	1:B:82:LEU:HA	2	0.28	0.02	0.28
(1,2020)	1:B:91:LYS:HD3	1:B:83:LYS:HA	2	0.28	0.02	0.28
(1,2019)	1:A:91:LYS:HD3	1:A:77:LEU:HA	2	0.28	0.02	0.28
(1,2019)	1:A:91:LYS:HD3	1:A:82:LEU:HA	2	0.28	0.02	0.28
(1,2019)	1:A:91:LYS:HD3	1:A:83:LYS:HA	2	0.28	0.02	0.28
(1,2239)	1:A:61:LEU:HB2	1:A:74:PHE:HB2	2	0.25	0.06	0.25
(1,2239)	1:A:61:LEU:HB2	1:A:74:PHE:HB3	2	0.25	0.06	0.25
(1,2239)	1:A:61:LEU:HB2	1:A:75:ILE:HA	2	0.25	0.06	0.25
(1,2240)	1:B:61:LEU:HB2	1:B:74:PHE:HB2	2	0.25	0.06	0.25
(1,2240)	1:B:61:LEU:HB2	1:B:74:PHE:HB3	2	0.25	0.06	0.25
(1,2240)	1:B:61:LEU:HB2	1:B:75:ILE:HA	2	0.25	0.06	0.25
(1,2301)	1:A:51:LYS:HE2	1:A:55:ASP:HB2	2	0.24	0.04	0.24
(1,2301)	1:A:51:LYS:HE3	1:A:55:ASP:HB2	2	0.24	0.04	0.24
(1,2301)	1:A:39:LYS:HE2	1:A:35:GLN:HB2	2	0.24	0.04	0.24
(1,2301)	1:A:39:LYS:HE3	1:A:35:GLN:HB2	2	0.24	0.04	0.24
(1,2302)	1:B:51:LYS:HE2	1:B:55:ASP:HB2	2	0.24	0.04	0.24
(1,2302)	1:B:51:LYS:HE3	1:B:55:ASP:HB2	2	0.24	0.04	0.24
(1,2302)	1:B:39:LYS:HE2	1:B:35:GLN:HB2	2	0.24	0.04	0.24
(1,2302)	1:B:39:LYS:HE3	1:B:35:GLN:HB2	2	0.24	0.04	0.24
(1,1693)	1:A:75:ILE:HD12	1:B:83:LYS:HE2	2	0.23	0.07	0.23

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1693)	1:A:75:ILE:HD11	1:B:83:LYS:HE2	2	0.23	0.07	0.23
(1,1693)	1:A:75:ILE:HD13	1:B:83:LYS:HE2	2	0.23	0.07	0.23
(1,1693)	1:A:75:ILE:HD12	1:B:83:LYS:HE3	2	0.23	0.07	0.23
(1,1693)	1:A:75:ILE:HD11	1:B:83:LYS:HE3	2	0.23	0.07	0.23
(1,1693)	1:A:75:ILE:HD13	1:B:83:LYS:HE3	2	0.23	0.07	0.23
(1,2331)	1:A:86:HIS:HB3	1:A:83:LYS:HE2	2	0.22	0.08	0.22
(1,2331)	1:A:83:LYS:HE3	1:A:86:HIS:HB3	2	0.22	0.08	0.22
(1,2332)	1:B:86:HIS:HB3	1:B:83:LYS:HE2	2	0.22	0.08	0.22
(1,2332)	1:B:83:LYS:HE3	1:B:86:HIS:HB3	2	0.22	0.08	0.22
(1,2557)	1:A:39:LYS:HE2	1:A:39:LYS:HB3	2	0.22	0.0	0.22
(1,2557)	1:A:39:LYS:HE3	1:A:39:LYS:HB3	2	0.22	0.0	0.22
(1,2558)	1:B:39:LYS:HE2	1:B:39:LYS:HB3	2	0.22	0.01	0.22
(1,2558)	1:B:39:LYS:HE3	1:B:39:LYS:HB3	2	0.22	0.01	0.22
(1,699)	1:A:37:LEU:HD22	1:A:48:ILE:HG13	2	0.2	0.09	0.2
(1,699)	1:A:37:LEU:HD21	1:A:48:ILE:HG13	2	0.2	0.09	0.2
(1,699)	1:A:37:LEU:HD23	1:A:48:ILE:HG13	2	0.2	0.09	0.2
(1,700)	1:B:37:LEU:HD22	1:B:48:ILE:HG13	2	0.2	0.09	0.2
(1,700)	1:B:37:LEU:HD21	1:B:48:ILE:HG13	2	0.2	0.09	0.2
(1,700)	1:B:37:LEU:HD23	1:B:48:ILE:HG13	2	0.2	0.09	0.2
(1,2191)	1:A:46:LYS:HE2	1:A:90:HIS:HB2	2	0.18	0.02	0.18
(1,2191)	1:A:46:LYS:HE3	1:A:90:HIS:HB2	2	0.18	0.02	0.18
(1,2191)	1:A:90:HIS:HB2	1:A:87:TYR:HB2	2	0.18	0.02	0.18
(1,2191)	1:A:90:HIS:HB2	1:A:87:TYR:HB3	2	0.18	0.02	0.18
(1,2192)	1:B:46:LYS:HE2	1:B:90:HIS:HB2	2	0.18	0.02	0.18
(1,2192)	1:B:46:LYS:HE3	1:B:90:HIS:HB2	2	0.18	0.02	0.18
(1,2192)	1:B:90:HIS:HB2	1:B:87:TYR:HB2	2	0.18	0.02	0.18
(1,2192)	1:B:90:HIS:HB2	1:B:87:TYR:HB3	2	0.18	0.02	0.18
(1,3219)	1:A:30:LYS:HG3	1:A:62:ASP:HB2	2	0.18	0.07	0.18
(1,3219)	1:A:71:PHE:HB3	1:A:78:VAL:HG22	2	0.18	0.07	0.18
(1,3219)	1:A:71:PHE:HB3	1:A:78:VAL:HG21	2	0.18	0.07	0.18
(1,3219)	1:A:71:PHE:HB3	1:A:78:VAL:HG23	2	0.18	0.07	0.18
(1,3220)	1:B:30:LYS:HG3	1:B:62:ASP:HB2	2	0.18	0.07	0.18
(1,3220)	1:B:71:PHE:HB3	1:B:78:VAL:HG22	2	0.18	0.07	0.18
(1,3220)	1:B:71:PHE:HB3	1:B:78:VAL:HG21	2	0.18	0.07	0.18
(1,3220)	1:B:71:PHE:HB3	1:B:78:VAL:HG23	2	0.18	0.07	0.18
(1,2799)	1:A:67:GLU:HG2	1:A:62:ASP:HB3	2	0.18	0.03	0.18
(1,2799)	1:A:67:GLU:HG3	1:A:62:ASP:HB3	2	0.18	0.03	0.18
(1,2799)	1:A:63:ALA:HB2	1:A:67:GLU:HG2	2	0.18	0.03	0.18
(1,2799)	1:A:63:ALA:HB2	1:A:67:GLU:HG3	2	0.18	0.03	0.18
(1,2799)	1:A:63:ALA:HB1	1:A:67:GLU:HG2	2	0.18	0.03	0.18
(1,2799)	1:A:63:ALA:HB1	1:A:67:GLU:HG3	2	0.18	0.03	0.18
(1,2799)	1:A:63:ALA:HB3	1:A:67:GLU:HG2	2	0.18	0.03	0.18

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2799)	1:A:63:ALA:HB3	1:A:67:GLU:HG3	2	0.18	0.03	0.18
(1,2800)	1:B:67:GLU:HG2	1:B:62:ASP:HB3	2	0.18	0.03	0.18
(1,2800)	1:B:67:GLU:HG3	1:B:62:ASP:HB3	2	0.18	0.03	0.18
(1,2800)	1:B:63:ALA:HB2	1:B:67:GLU:HG2	2	0.18	0.03	0.18
(1,2800)	1:B:63:ALA:HB2	1:B:67:GLU:HG3	2	0.18	0.03	0.18
(1,2800)	1:B:63:ALA:HB1	1:B:67:GLU:HG2	2	0.18	0.03	0.18
(1,2800)	1:B:63:ALA:HB1	1:B:67:GLU:HG3	2	0.18	0.03	0.18
(1,2800)	1:B:63:ALA:HB3	1:B:67:GLU:HG2	2	0.18	0.03	0.18
(1,2800)	1:B:63:ALA:HB3	1:B:67:GLU:HG3	2	0.18	0.03	0.18
(1,2343)	1:A:54:ILE:HG22	1:A:30:LYS:HE2	2	0.16	0.01	0.16
(1,2343)	1:A:54:ILE:HG21	1:A:30:LYS:HE2	2	0.16	0.01	0.16
(1,2343)	1:A:54:ILE:HG23	1:A:30:LYS:HE2	2	0.16	0.01	0.16
(1,2343)	1:A:54:ILE:HG22	1:A:30:LYS:HE3	2	0.16	0.01	0.16
(1,2343)	1:A:54:ILE:HG21	1:A:30:LYS:HE3	2	0.16	0.01	0.16
(1,2343)	1:A:54:ILE:HG23	1:A:30:LYS:HE3	2	0.16	0.01	0.16
(1,2343)	1:A:54:ILE:HG22	1:A:59:GLN:HG3	2	0.16	0.01	0.16
(1,2343)	1:A:54:ILE:HG21	1:A:59:GLN:HG3	2	0.16	0.01	0.16
(1,2343)	1:A:54:ILE:HG23	1:A:59:GLN:HG3	2	0.16	0.01	0.16
(1,2343)	1:A:57:ILE:HG22	1:A:59:GLN:HG3	2	0.16	0.01	0.16
(1,2343)	1:A:57:ILE:HG21	1:A:59:GLN:HG3	2	0.16	0.01	0.16
(1,2343)	1:A:57:ILE:HG23	1:A:59:GLN:HG3	2	0.16	0.01	0.16
(1,2344)	1:B:54:ILE:HG22	1:B:30:LYS:HE2	2	0.16	0.01	0.16
(1,2344)	1:B:54:ILE:HG21	1:B:30:LYS:HE2	2	0.16	0.01	0.16
(1,2344)	1:B:54:ILE:HG23	1:B:30:LYS:HE2	2	0.16	0.01	0.16
(1,2344)	1:B:54:ILE:HG22	1:B:30:LYS:HE3	2	0.16	0.01	0.16
(1,2344)	1:B:54:ILE:HG21	1:B:30:LYS:HE3	2	0.16	0.01	0.16
(1,2344)	1:B:54:ILE:HG23	1:B:30:LYS:HE3	2	0.16	0.01	0.16
(1,2344)	1:B:54:ILE:HG22	1:B:59:GLN:HG3	2	0.16	0.01	0.16
(1,2344)	1:B:54:ILE:HG21	1:B:59:GLN:HG3	2	0.16	0.01	0.16
(1,2344)	1:B:54:ILE:HG23	1:B:59:GLN:HG3	2	0.16	0.01	0.16
(1,2344)	1:B:57:ILE:HG22	1:B:59:GLN:HG3	2	0.16	0.01	0.16
(1,2344)	1:B:57:ILE:HG21	1:B:59:GLN:HG3	2	0.16	0.01	0.16
(1,2344)	1:B:57:ILE:HG23	1:B:59:GLN:HG3	2	0.16	0.01	0.16
(1,2335)	1:A:30:LYS:HE2	1:A:58:PHE:HB3	2	0.16	0.02	0.16
(1,2335)	1:A:58:PHE:HB3	1:A:59:GLN:HG3	2	0.16	0.02	0.16
(1,2336)	1:B:30:LYS:HE2	1:B:58:PHE:HB3	2	0.16	0.02	0.16
(1,2336)	1:B:58:PHE:HB3	1:B:59:GLN:HG3	2	0.16	0.02	0.16
(2,126)	1:B:63:ALA:H	1:B:64:ASN:HB3	2	0.16	0.05	0.16
(1,2261)	1:A:72:GLN:HG2	1:B:83:LYS:HE2	2	0.15	0.0	0.15
(1,2261)	1:A:72:GLN:HG3	1:B:83:LYS:HE2	2	0.15	0.0	0.15
(1,2261)	1:A:72:GLN:HG2	1:B:83:LYS:HE3	2	0.15	0.0	0.15
(1,2261)	1:A:72:GLN:HG3	1:B:83:LYS:HE3	2	0.15	0.0	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(2,125)	1:A:63:ALA:H	1:A:64:ASN:HB3	2	0.15	0.04	0.15
(1,1459)	1:A:32:GLU:H	1:A:32:GLU:HG2	2	0.15	0.0	0.15
(1,1459)	1:A:32:GLU:H	1:A:32:GLU:HG3	2	0.15	0.0	0.15
(1,1460)	1:B:32:GLU:H	1:B:32:GLU:HG2	2	0.15	0.0	0.15
(1,1460)	1:B:32:GLU:H	1:B:32:GLU:HG3	2	0.15	0.0	0.15
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD22	2	0.15	0.02	0.15
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD21	2	0.15	0.02	0.15
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD23	2	0.15	0.02	0.15
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD12	2	0.15	0.02	0.15
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD11	2	0.15	0.02	0.15
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD13	2	0.15	0.02	0.15
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD22	2	0.15	0.02	0.15
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD21	2	0.15	0.02	0.15
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD23	2	0.15	0.02	0.15
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD12	2	0.15	0.02	0.15
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD11	2	0.15	0.02	0.15
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD13	2	0.15	0.02	0.15
(1,1737)	1:A:75:ILE:HG22	1:B:75:ILE:HG22	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG22	1:B:75:ILE:HG21	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG22	1:B:75:ILE:HG23	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG21	1:B:75:ILE:HG22	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG21	1:B:75:ILE:HG21	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG21	1:B:75:ILE:HG23	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG23	1:B:75:ILE:HG22	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG23	1:B:75:ILE:HG21	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG23	1:B:75:ILE:HG23	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG22	1:B:82:LEU:HD12	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG22	1:B:82:LEU:HD11	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG22	1:B:82:LEU:HD13	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG21	1:B:82:LEU:HD12	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG21	1:B:82:LEU:HD11	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG21	1:B:82:LEU:HD13	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG23	1:B:82:LEU:HD12	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG23	1:B:82:LEU:HD11	2	0.14	0.01	0.14
(1,1737)	1:A:75:ILE:HG23	1:B:82:LEU:HD13	2	0.14	0.01	0.14
(1,2853)	1:A:6:GLU:HB2	1:B:85:ALA:HB2	2	0.14	0.01	0.14
(1,2853)	1:A:6:GLU:HB2	1:B:85:ALA:HB1	2	0.14	0.01	0.14
(1,2853)	1:A:6:GLU:HB2	1:B:85:ALA:HB3	2	0.14	0.01	0.14
(1,2853)	1:A:6:GLU:HB3	1:B:85:ALA:HB2	2	0.14	0.01	0.14
(1,2853)	1:A:6:GLU:HB3	1:B:85:ALA:HB1	2	0.14	0.01	0.14
(1,2853)	1:A:6:GLU:HB3	1:B:85:ALA:HB3	2	0.14	0.01	0.14
(1,2853)	1:A:56:GLU:HB2	1:A:51:LYS:HG2	2	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,2853)	1:A:56:GLU:HB2	1:A:51:LYS:HG3	2	0.14	0.01	0.14
(1,2853)	1:A:52:ALA:HB2	1:A:56:GLU:HB2	2	0.14	0.01	0.14
(1,2853)	1:A:52:ALA:HB1	1:A:56:GLU:HB2	2	0.14	0.01	0.14
(1,2853)	1:A:52:ALA:HB3	1:A:56:GLU:HB2	2	0.14	0.01	0.14
(1,2853)	1:A:73:GLU:HB2	1:A:77:LEU:HB2	2	0.14	0.01	0.14
(1,2853)	1:A:73:GLU:HB2	1:A:77:LEU:HB3	2	0.14	0.01	0.14
(1,2853)	1:A:73:GLU:HB3	1:A:77:LEU:HB2	2	0.14	0.01	0.14
(1,2853)	1:A:73:GLU:HB3	1:A:77:LEU:HB3	2	0.14	0.01	0.14
(1,2853)	1:A:79:ALA:HB2	1:A:73:GLU:HB2	2	0.14	0.01	0.14
(1,2853)	1:A:79:ALA:HB2	1:A:73:GLU:HB3	2	0.14	0.01	0.14
(1,2853)	1:A:79:ALA:HB1	1:A:73:GLU:HB2	2	0.14	0.01	0.14
(1,2853)	1:A:79:ALA:HB1	1:A:73:GLU:HB3	2	0.14	0.01	0.14
(1,2853)	1:A:79:ALA:HB3	1:A:73:GLU:HB2	2	0.14	0.01	0.14
(1,2853)	1:A:79:ALA:HB3	1:A:73:GLU:HB3	2	0.14	0.01	0.14
(1,2854)	1:B:6:GLU:HB2	1:A:85:ALA:HB2	2	0.14	0.01	0.14
(1,2854)	1:B:6:GLU:HB2	1:A:85:ALA:HB1	2	0.14	0.01	0.14
(1,2854)	1:B:6:GLU:HB2	1:A:85:ALA:HB3	2	0.14	0.01	0.14
(1,2854)	1:B:6:GLU:HB3	1:A:85:ALA:HB2	2	0.14	0.01	0.14
(1,2854)	1:B:6:GLU:HB3	1:A:85:ALA:HB1	2	0.14	0.01	0.14
(1,2854)	1:B:6:GLU:HB3	1:A:85:ALA:HB3	2	0.14	0.01	0.14
(1,2854)	1:B:56:GLU:HB2	1:B:51:LYS:HG2	2	0.14	0.01	0.14
(1,2854)	1:B:56:GLU:HB2	1:B:51:LYS:HG3	2	0.14	0.01	0.14
(1,2854)	1:B:52:ALA:HB2	1:B:56:GLU:HB2	2	0.14	0.01	0.14
(1,2854)	1:B:52:ALA:HB1	1:B:56:GLU:HB2	2	0.14	0.01	0.14
(1,2854)	1:B:52:ALA:HB3	1:B:56:GLU:HB2	2	0.14	0.01	0.14
(1,2854)	1:B:73:GLU:HB2	1:B:77:LEU:HB2	2	0.14	0.01	0.14
(1,2854)	1:B:73:GLU:HB2	1:B:77:LEU:HB3	2	0.14	0.01	0.14
(1,2854)	1:B:73:GLU:HB3	1:B:77:LEU:HB2	2	0.14	0.01	0.14
(1,2854)	1:B:73:GLU:HB3	1:B:77:LEU:HB3	2	0.14	0.01	0.14
(1,2854)	1:B:79:ALA:HB2	1:B:73:GLU:HB2	2	0.14	0.01	0.14
(1,2854)	1:B:79:ALA:HB2	1:B:73:GLU:HB3	2	0.14	0.01	0.14
(1,2854)	1:B:79:ALA:HB1	1:B:73:GLU:HB2	2	0.14	0.01	0.14
(1,2854)	1:B:79:ALA:HB1	1:B:73:GLU:HB3	2	0.14	0.01	0.14
(1,2854)	1:B:79:ALA:HB3	1:B:73:GLU:HB2	2	0.14	0.01	0.14
(1,2854)	1:B:79:ALA:HB3	1:B:73:GLU:HB3	2	0.14	0.01	0.14
(1,1738)	1:B:75:ILE:HG22	1:A:75:ILE:HG22	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG22	1:A:75:ILE:HG21	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG22	1:A:75:ILE:HG23	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG21	1:A:75:ILE:HG22	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG21	1:A:75:ILE:HG21	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG21	1:A:75:ILE:HG23	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG23	1:A:75:ILE:HG22	2	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1738)	1:B:75:ILE:HG23	1:A:75:ILE:HG21	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG23	1:A:75:ILE:HG23	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG22	1:A:82:LEU:HD12	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG22	1:A:82:LEU:HD11	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG22	1:A:82:LEU:HD13	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG21	1:A:82:LEU:HD12	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG21	1:A:82:LEU:HD11	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG21	1:A:82:LEU:HD13	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG23	1:A:82:LEU:HD12	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG23	1:A:82:LEU:HD11	2	0.14	0.02	0.14
(1,1738)	1:B:75:ILE:HG23	1:A:82:LEU:HD13	2	0.14	0.02	0.14
(1,3451)	1:A:72:GLN:H	1:B:83:LYS:HE2	2	0.14	0.02	0.14
(1,3451)	1:A:72:GLN:H	1:B:83:LYS:HE3	2	0.14	0.02	0.14
(1,1389)	1:A:86:HIS:H	1:A:86:HIS:HB2	2	0.13	0.01	0.13
(1,1390)	1:B:86:HIS:H	1:B:86:HIS:HB2	2	0.13	0.01	0.13
(1,614)	1:B:75:ILE:HG12	1:B:75:ILE:HA	2	0.12	0.02	0.12
(1,1367)	1:A:52:ALA:H	1:A:50:ASP:HB2	2	0.12	0.01	0.12
(1,1368)	1:B:52:ALA:H	1:B:50:ASP:HB2	2	0.12	0.02	0.12
(1,2811)	1:A:8:LEU:HG	1:B:81:ALA:HB2	2	0.12	0.01	0.12
(1,2811)	1:A:8:LEU:HG	1:B:81:ALA:HB1	2	0.12	0.01	0.12
(1,2811)	1:A:8:LEU:HG	1:B:81:ALA:HB3	2	0.12	0.01	0.12
(1,2811)	1:A:37:LEU:HD22	1:A:33:LEU:HG	2	0.12	0.01	0.12
(1,2811)	1:A:37:LEU:HD21	1:A:33:LEU:HG	2	0.12	0.01	0.12
(1,2811)	1:A:37:LEU:HD23	1:A:33:LEU:HG	2	0.12	0.01	0.12
(1,2811)	1:A:37:LEU:HD22	1:A:77:LEU:HB2	2	0.12	0.01	0.12
(1,2811)	1:A:37:LEU:HD22	1:A:77:LEU:HB3	2	0.12	0.01	0.12
(1,2811)	1:A:37:LEU:HD21	1:A:77:LEU:HB2	2	0.12	0.01	0.12
(1,2811)	1:A:37:LEU:HD21	1:A:77:LEU:HB3	2	0.12	0.01	0.12
(1,2811)	1:A:37:LEU:HD23	1:A:77:LEU:HB2	2	0.12	0.01	0.12
(1,2811)	1:A:37:LEU:HD23	1:A:77:LEU:HB3	2	0.12	0.01	0.12
(1,2812)	1:B:8:LEU:HG	1:A:81:ALA:HB2	2	0.12	0.01	0.12
(1,2812)	1:B:8:LEU:HG	1:A:81:ALA:HB1	2	0.12	0.01	0.12
(1,2812)	1:B:8:LEU:HG	1:A:81:ALA:HB3	2	0.12	0.01	0.12
(1,2812)	1:B:37:LEU:HD22	1:B:33:LEU:HG	2	0.12	0.01	0.12
(1,2812)	1:B:37:LEU:HD21	1:B:33:LEU:HG	2	0.12	0.01	0.12
(1,2812)	1:B:37:LEU:HD23	1:B:33:LEU:HG	2	0.12	0.01	0.12
(1,2812)	1:B:37:LEU:HD22	1:B:77:LEU:HB2	2	0.12	0.01	0.12
(1,2812)	1:B:37:LEU:HD22	1:B:77:LEU:HB3	2	0.12	0.01	0.12
(1,2812)	1:B:37:LEU:HD21	1:B:77:LEU:HB2	2	0.12	0.01	0.12
(1,2812)	1:B:37:LEU:HD21	1:B:77:LEU:HB3	2	0.12	0.01	0.12
(1,2812)	1:B:37:LEU:HD23	1:B:77:LEU:HB2	2	0.12	0.01	0.12
(1,2812)	1:B:37:LEU:HD23	1:B:77:LEU:HB3	2	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)
(1,71)	1:A:49:LYS:H	1:A:53:VAL:HG12	2	0.12	0.01	0.12
(1,71)	1:A:49:LYS:H	1:A:53:VAL:HG11	2	0.12	0.01	0.12
(1,71)	1:A:49:LYS:H	1:A:53:VAL:HG13	2	0.12	0.01	0.12
(1,120)	1:B:8:LEU:HD12	1:A:42:ALA:H	2	0.12	0.01	0.12
(1,120)	1:B:8:LEU:HD11	1:A:42:ALA:H	2	0.12	0.01	0.12
(1,120)	1:B:8:LEU:HD13	1:A:42:ALA:H	2	0.12	0.01	0.12
(1,1525)	1:A:92:GLU:H	1:A:46:LYS:HB3	2	0.12	0.01	0.12
(1,1526)	1:B:92:GLU:H	1:B:46:LYS:HB3	2	0.12	0.01	0.12
(1,1631)	1:A:87:TYR:H	1:A:89:THR:HG21	2	0.12	0.01	0.12
(1,1631)	1:A:87:TYR:H	1:A:89:THR:HG22	2	0.12	0.01	0.12
(1,1631)	1:A:87:TYR:H	1:A:89:THR:HG23	2	0.12	0.01	0.12
(1,1632)	1:B:87:TYR:H	1:B:89:THR:HG21	2	0.12	0.01	0.12
(1,1632)	1:B:87:TYR:H	1:B:89:THR:HG22	2	0.12	0.01	0.12
(1,1632)	1:B:87:TYR:H	1:B:89:THR:HG23	2	0.12	0.01	0.12
(3,43)	1:A:60:GLY:H	1:A:56:GLU:O	2	0.12	0.01	0.12
(1,72)	1:B:49:LYS:H	1:B:53:VAL:HG12	2	0.12	0.0	0.12
(1,72)	1:B:49:LYS:H	1:B:53:VAL:HG11	2	0.12	0.0	0.12
(1,72)	1:B:49:LYS:H	1:B:53:VAL:HG13	2	0.12	0.0	0.12
(1,547)	1:A:45:ILE:HG13	1:A:41:LEU:HB3	2	0.12	0.0	0.12
(1,548)	1:B:45:ILE:HG13	1:B:41:LEU:HB3	2	0.12	0.0	0.12
(1,805)	1:A:80:ILE:HD12	1:A:61:LEU:HD22	2	0.12	0.0	0.12
(1,805)	1:A:80:ILE:HD12	1:A:61:LEU:HD21	2	0.12	0.0	0.12
(1,805)	1:A:80:ILE:HD12	1:A:61:LEU:HD23	2	0.12	0.0	0.12
(1,805)	1:A:80:ILE:HD11	1:A:61:LEU:HD22	2	0.12	0.0	0.12
(1,805)	1:A:80:ILE:HD11	1:A:61:LEU:HD21	2	0.12	0.0	0.12
(1,805)	1:A:80:ILE:HD11	1:A:61:LEU:HD23	2	0.12	0.0	0.12
(1,805)	1:A:80:ILE:HD13	1:A:61:LEU:HD22	2	0.12	0.0	0.12
(1,805)	1:A:80:ILE:HD13	1:A:61:LEU:HD21	2	0.12	0.0	0.12
(1,805)	1:A:80:ILE:HD13	1:A:61:LEU:HD23	2	0.12	0.0	0.12
(1,806)	1:B:80:ILE:HD12	1:B:61:LEU:HD22	2	0.12	0.0	0.12
(1,806)	1:B:80:ILE:HD12	1:B:61:LEU:HD21	2	0.12	0.0	0.12
(1,806)	1:B:80:ILE:HD12	1:B:61:LEU:HD23	2	0.12	0.0	0.12
(1,806)	1:B:80:ILE:HD11	1:B:61:LEU:HD22	2	0.12	0.0	0.12
(1,806)	1:B:80:ILE:HD11	1:B:61:LEU:HD21	2	0.12	0.0	0.12
(1,806)	1:B:80:ILE:HD11	1:B:61:LEU:HD23	2	0.12	0.0	0.12
(1,806)	1:B:80:ILE:HD13	1:B:61:LEU:HD22	2	0.12	0.0	0.12
(1,806)	1:B:80:ILE:HD13	1:B:61:LEU:HD21	2	0.12	0.0	0.12
(1,806)	1:B:80:ILE:HD13	1:B:61:LEU:HD23	2	0.12	0.0	0.12
(1,119)	1:A:8:LEU:HD12	1:B:42:ALA:H	2	0.11	0.0	0.11
(1,119)	1:A:8:LEU:HD11	1:B:42:ALA:H	2	0.11	0.0	0.11
(1,119)	1:A:8:LEU:HD13	1:B:42:ALA:H	2	0.11	0.0	0.11
(1,423)	1:A:39:LYS:HD2	1:A:35:GLN:HB3	2	0.11	0.0	0.11

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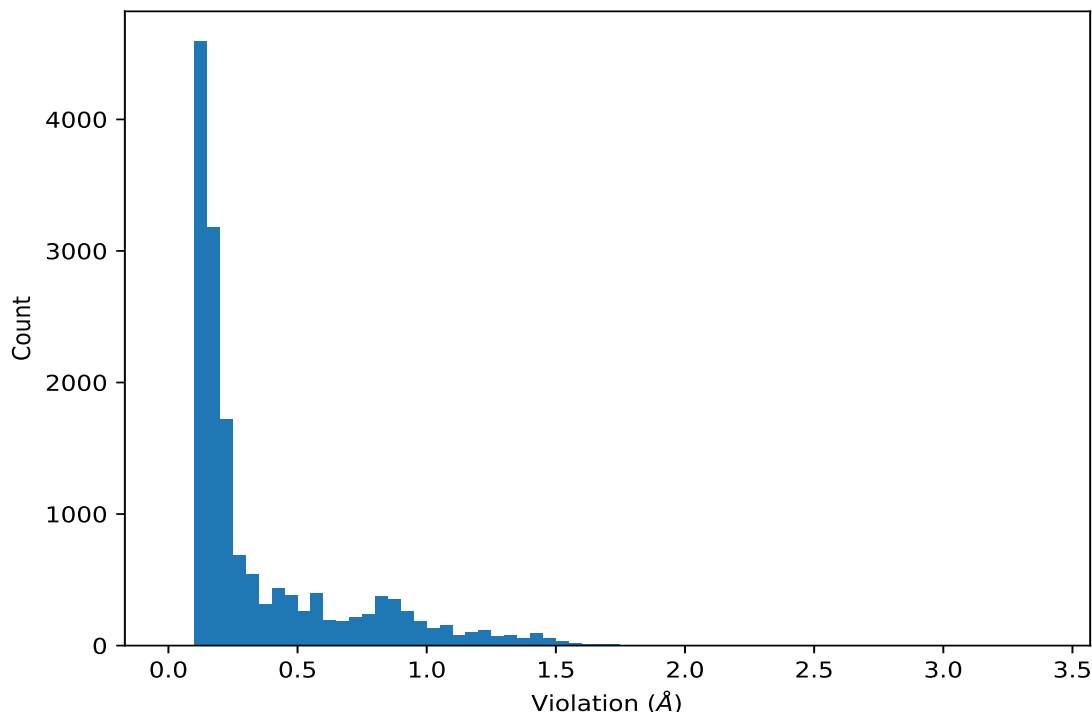
Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,423)	1:A:39:LYS:HD3	1:A:35:GLN:HB3	2	0.11	0.0	0.11
(1,424)	1:B:39:LYS:HD2	1:B:35:GLN:HB3	2	0.11	0.0	0.11
(1,424)	1:B:39:LYS:HD3	1:B:35:GLN:HB3	2	0.11	0.0	0.11
(1,3515)	1:A:39:LYS:H	1:A:39:LYS:HB2	2	0.11	0.0	0.11
(1,3515)	1:A:39:LYS:H	1:A:40:GLU:HG2	2	0.11	0.0	0.11
(1,3515)	1:A:39:LYS:H	1:A:40:GLU:HG3	2	0.11	0.0	0.11
(1,3516)	1:B:39:LYS:H	1:B:39:LYS:HB2	2	0.11	0.0	0.11
(1,3516)	1:B:39:LYS:H	1:B:40:GLU:HG2	2	0.11	0.0	0.11
(1,3516)	1:B:39:LYS:H	1:B:40:GLU:HG3	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)
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	13	3.4
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	13	3.36
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	14	3.07
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	14	3.06
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	12	2.78
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	12	2.75
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	17	2.75
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	17	2.75
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	7	2.67
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	7	2.64
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	20	2.54
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	20	2.52
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	4	2.51
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	4	2.51
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	8	2.5
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	8	2.5
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	19	2.26
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	19	2.26
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	1	2.22
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	1	2.21
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	10	2.2
(1,1085)	1:A:46:LYS:H	1:A:90:HIS:HA	20	2.19
(1,1086)	1:B:46:LYS:H	1:B:90:HIS:HA	20	2.18
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	9	2.15
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	9	2.12
(1,1086)	1:B:46:LYS:H	1:B:90:HIS:HA	17	2.12
(1,1085)	1:A:46:LYS:H	1:A:90:HIS:HA	17	2.12
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	10	2.11
(1,1086)	1:B:46:LYS:H	1:B:90:HIS:HA	15	2.06
(1,1085)	1:A:46:LYS:H	1:A:90:HIS:HA	15	2.06
(1,1086)	1:B:46:LYS:H	1:B:90:HIS:HA	16	2.0
(1,1085)	1:A:46:LYS:H	1:A:90:HIS:HA	16	2.0
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	3	1.92
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	3	1.91
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	15	1.85
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	15	1.84
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	18	1.81
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	18	1.81
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	18	1.81
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	18	1.81
(1,1086)	1:B:46:LYS:H	1:B:90:HIS:HA	19	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1085)	1:A:46:LYS:H	1:A:90:HIS:HA	19	1.77
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	8	1.73
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	1	1.72
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	8	1.72
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	1	1.71
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	16	1.71
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	16	1.71
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	15	1.7
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	15	1.7
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	12	1.67
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	5	1.66
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	13	1.66
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	13	1.66
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	18	1.65
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	19	1.65
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	18	1.65
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	19	1.65
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	5	1.65
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	15	1.65
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	12	1.65
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	15	1.65
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	2	1.64
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	2	1.64
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	13	1.63
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	13	1.63
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	18	1.62
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	18	1.62
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	6	1.61
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	6	1.6
(1,1086)	1:B:46:LYS:H	1:B:90:HIS:HA	18	1.6
(1,1085)	1:A:46:LYS:H	1:A:90:HIS:HA	18	1.6
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	20	1.59
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	20	1.59
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	3	1.59
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	3	1.59
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	3	1.59
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	3	1.59
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	10	1.58
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	4	1.57
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	7	1.56
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	7	1.56
(1,558)	1:B:91:LYS:HD3	1:B:80:ILE:HA	18	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:A:91:LYS:HD3	1:A:80:ILE:HA	18	1.56
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	4	1.56
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	6	1.55
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	2	1.55
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	18	1.55
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	18	1.55
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	5	1.54
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	5	1.54
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	6	1.54
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	2	1.54
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	5	1.54
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	10	1.54
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	10	1.54
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	10	1.54
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	20	1.54
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	8	1.53
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	8	1.53
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	5	1.53
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	20	1.53
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	4	1.52
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	4	1.52
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	15	1.52
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	15	1.52
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	1	1.52
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	6	1.52
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	1	1.52
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	6	1.52
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	4	1.51
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	6	1.51
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	4	1.51
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	6	1.51
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	2	1.51
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	3	1.51
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	4	1.51
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	2	1.51
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	4	1.51
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	9	1.5
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	15	1.5
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	19	1.5
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	3	1.5
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	15	1.5
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	19	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	3	1.49
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	11	1.49
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	19	1.49
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	3	1.49
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	9	1.49
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	11	1.49
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	19	1.49
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	12	1.48
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	12	1.48
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	8	1.48
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	8	1.48
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	8	1.48
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	9	1.48
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	5	1.48
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	7	1.48
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	14	1.48
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	16	1.48
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	5	1.48
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	7	1.48
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	14	1.48
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	17	1.47
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	17	1.47
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	13	1.47
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	13	1.47
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	8	1.47
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	8	1.47
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	8	1.47
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	6	1.47
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	6	1.47
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	9	1.47
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	16	1.47
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	13	1.46
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	13	1.46
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	13	1.46
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	13	1.46
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	4	1.46
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	4	1.46
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	4	1.46
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	13	1.46
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	13	1.46
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	5	1.45
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	5	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	4	1.45
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	4	1.45
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	4	1.45
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	10	1.45
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	10	1.45
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	10	1.45
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	10	1.45
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	10	1.45
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	10	1.45
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	10	1.45
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	8	1.45
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	12	1.45
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	8	1.45
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	12	1.45
(2,32)	1:B:35:GLN:HB3	1:B:31:GLY:HA2	17	1.44
(2,31)	1:A:35:GLN:HB3	1:A:31:GLY:HA2	17	1.44
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	2	1.44
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	2	1.44
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	7	1.44
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	7	1.44
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	7	1.44
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	1	1.43
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	7	1.43
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	1	1.43
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	7	1.43
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	16	1.43
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	3	1.43
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	10	1.43
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	3	1.43
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	1	1.43
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	1	1.43
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	1	1.43
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	7	1.43
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	7	1.43
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	7	1.43
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	1	1.43
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	1	1.43
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	1	1.43
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	12	1.43
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	12	1.43
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	12	1.43
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	10	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	10	1.43
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	10	1.43
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	10	1.43
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	1	1.43
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	13	1.43
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	11	1.43
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	11	1.43
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	15	1.42
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	16	1.42
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	10	1.42
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	10	1.42
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	10	1.42
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	11	1.42
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	11	1.42
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	11	1.42
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	12	1.42
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	12	1.42
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	12	1.42
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	6	1.42
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	6	1.42
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	6	1.42
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	11	1.42
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	11	1.42
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	11	1.42
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	2	1.42
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	1	1.42
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	9	1.42
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	9	1.42
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	15	1.41
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	15	1.41
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	15	1.41
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	6	1.41
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	10	1.41
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	3	1.41
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	3	1.41
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	3	1.41
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	6	1.41
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	6	1.41
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	6	1.41
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	3	1.41
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	3	1.41
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	3	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	14	1.41
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	14	1.41
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	14	1.41
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	2	1.41
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	18	1.41
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	18	1.41
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	6	1.4
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	13	1.4
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	13	1.4
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	13	1.4
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	14	1.4
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	14	1.4
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	14	1.4
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	13	1.4
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	1	1.4
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	1	1.4
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	1	1.4
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	1	1.4
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	18	1.4
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	18	1.4
(1,250)	1:B:33:LEU:HB2	1:B:34:LYS:HA	17	1.4
(1,249)	1:A:33:LEU:HB2	1:A:34:LYS:HA	17	1.4
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	2	1.39
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	2	1.39
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	6	1.39
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	4	1.39
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	4	1.39
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	6	1.39
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	16	1.39
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	16	1.39
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	16	1.39
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	16	1.39
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	16	1.39
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	16	1.39
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	13	1.38
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	13	1.38
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	13	1.38
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	18	1.37
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	18	1.37
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	18	1.37
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	18	1.37
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	6	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	6	1.36
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	10	1.36
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	10	1.36
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	20	1.36
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	20	1.36
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	14	1.36
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	14	1.36
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	14	1.36
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	10	1.36
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	10	1.36
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	3	1.36
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	3	1.36
(1,1540)	1:B:84:ALA:H	1:B:91:LYS:HD3	18	1.36
(1,1539)	1:A:84:ALA:H	1:A:91:LYS:HD3	18	1.36
(2,32)	1:B:35:GLN:HB3	1:B:31:GLY:HA2	4	1.35
(2,32)	1:B:35:GLN:HB3	1:B:31:GLY:HA2	14	1.35
(2,31)	1:A:35:GLN:HB3	1:A:31:GLY:HA2	14	1.35
(2,139)	1:A:69:VAL:H	1:A:61:LEU:HB3	14	1.35
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	2	1.35
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	2	1.35
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	2	1.35
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	2	1.35
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	2	1.35
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	2	1.35
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	14	1.35
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	14	1.35
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	14	1.35
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	13	1.35
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	13	1.35
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	10	1.35
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	10	1.35
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	10	1.35
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	10	1.35
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	3	1.35
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	3	1.35
(2,31)	1:A:35:GLN:HB3	1:A:31:GLY:HA2	4	1.34
(2,140)	1:B:69:VAL:H	1:B:61:LEU:HB3	14	1.34
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	5	1.34
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	12	1.34
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	5	1.34
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	12	1.34
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	13	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	13	1.34
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	13	1.34
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	13	1.34
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	1	1.33
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	18	1.33
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	18	1.33
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	1	1.32
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	18	1.32
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	18	1.32
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	2	1.32
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	2	1.32
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	2	1.32
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	2	1.32
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	12	1.32
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	12	1.32
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	12	1.32
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	12	1.32
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	15	1.32
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	15	1.32
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	11	1.32
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	11	1.32
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	11	1.32
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	11	1.32
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	11	1.32
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	11	1.32
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	11	1.32
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	11	1.32
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	11	1.32
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	11	1.32
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	11	1.32
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	11	1.32
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	1	1.31
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	2	1.31
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	10	1.31
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	1	1.31
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	2	1.31
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	10	1.31
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	16	1.31
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	16	1.31
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	16	1.31
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	16	1.31
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	16	1.31
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	16	1.31
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	20	1.31
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	16	1.31
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	20	1.31
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	10	1.31
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	10	1.31
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	15	1.31
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	15	1.31
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	9	1.31
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	9	1.31
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	9	1.31
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	8	1.3
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	8	1.3
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	17	1.3
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	17	1.3
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	17	1.3
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	17	1.3
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	17	1.3
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	17	1.3
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	11	1.3
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	11	1.3
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	11	1.3
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	17	1.3
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	17	1.3
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	17	1.3
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	11	1.3
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	11	1.3
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	11	1.3
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	10	1.3
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	10	1.3
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	9	1.3
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	9	1.3
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	9	1.3
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	19	1.29
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	19	1.29
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	19	1.29
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	8	1.29
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	8	1.29
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	8	1.29
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	8	1.29
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	8	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	8	1.29
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	17	1.29
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	17	1.29
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	17	1.29
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	2	1.29
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	2	1.29
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	2	1.29
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	2	1.29
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	4	1.28
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	19	1.28
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	4	1.28
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	19	1.28
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	19	1.28
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	19	1.28
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	19	1.28
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	1	1.28
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	1	1.28
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	1	1.28
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	1	1.28
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	13	1.27
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	13	1.27
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	7	1.27
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	7	1.27
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	14	1.27
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	14	1.27
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	5	1.26
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	5	1.26
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	7	1.26
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	19	1.26
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	19	1.26
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	19	1.26
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	18	1.26
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	18	1.26
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	18	1.26
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	19	1.26
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	19	1.26
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	19	1.26
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	2	1.26
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	2	1.26
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	14	1.26
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	14	1.26
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	7	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	15	1.25
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	15	1.25
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	13	1.25
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	13	1.25
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	1	1.25
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	3	1.25
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	3	1.25
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	3	1.25
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	3	1.25
(1,332)	1:B:46:LYS:HE2	1:B:47:ASN:HB2	8	1.25
(1,332)	1:B:46:LYS:HE3	1:B:47:ASN:HB2	8	1.25
(1,331)	1:A:46:LYS:HE2	1:A:47:ASN:HB2	8	1.25
(1,331)	1:A:46:LYS:HE3	1:A:47:ASN:HB2	8	1.25
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	7	1.25
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	7	1.25
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	7	1.25
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	7	1.25
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	7	1.25
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	7	1.25
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	7	1.25
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	7	1.25
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	20	1.24
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	20	1.24
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	20	1.24
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	18	1.24
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	18	1.24
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	18	1.24
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	3	1.24
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	3	1.24
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	3	1.24
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	18	1.24
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	18	1.24
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	10	1.24
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	10	1.24
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	10	1.24
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	10	1.24
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	10	1.24
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	10	1.24
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	3	1.23
(2,32)	1:B:35:GLN:HB3	1:B:31:GLY:HA2	16	1.23
(2,31)	1:A:35:GLN:HB3	1:A:31:GLY:HA2	9	1.23
(2,31)	1:A:35:GLN:HB3	1:A:31:GLY:HA2	16	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	3	1.23
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	3	1.23
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	3	1.23
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	13	1.23
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	13	1.23
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	1	1.23
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	6	1.23
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	6	1.23
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	3	1.22
(2,32)	1:B:35:GLN:HB3	1:B:31:GLY:HA2	9	1.22
(2,32)	1:B:35:GLN:HB3	1:B:31:GLY:HA2	11	1.22
(2,31)	1:A:35:GLN:HB3	1:A:31:GLY:HA2	11	1.22
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	18	1.22
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	18	1.22
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	18	1.22
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	18	1.22
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	18	1.22
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	18	1.22
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	20	1.22
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	20	1.22
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	20	1.22
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	5	1.22
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	5	1.22
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	5	1.22
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	5	1.22
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	6	1.22
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	6	1.22
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	10	1.22
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	10	1.22
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	10	1.22
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	10	1.22
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	10	1.22
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	10	1.22
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	12	1.21
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	12	1.21
(1,830)	1:B:80:ILE:HD12	1:A:75:ILE:HG13	15	1.21
(1,830)	1:B:80:ILE:HD11	1:A:75:ILE:HG13	15	1.21
(1,830)	1:B:80:ILE:HD13	1:A:75:ILE:HG13	15	1.21
(1,829)	1:A:80:ILE:HD12	1:B:75:ILE:HG13	15	1.21
(1,829)	1:A:80:ILE:HD11	1:B:75:ILE:HG13	15	1.21
(1,829)	1:A:80:ILE:HD13	1:B:75:ILE:HG13	15	1.21
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	5	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	5	1.21
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	5	1.21
(1,554)	1:B:75:ILE:HD12	1:A:91:LYS:HD3	18	1.21
(1,554)	1:B:75:ILE:HD11	1:A:91:LYS:HD3	18	1.21
(1,554)	1:B:75:ILE:HD13	1:A:91:LYS:HD3	18	1.21
(1,553)	1:A:75:ILE:HD12	1:B:91:LYS:HD3	18	1.21
(1,553)	1:A:75:ILE:HD11	1:B:91:LYS:HD3	18	1.21
(1,553)	1:A:75:ILE:HD13	1:B:91:LYS:HD3	18	1.21
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	2	1.21
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	2	1.21
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	5	1.21
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	5	1.21
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	7	1.21
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	7	1.21
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	15	1.21
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	15	1.21
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	20	1.21
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	20	1.21
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	2	1.21
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	2	1.21
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	5	1.21
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	5	1.21
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	7	1.21
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	7	1.21
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	15	1.21
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	15	1.21
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	20	1.21
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	20	1.21
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	5	1.21
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	5	1.21
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	15	1.21
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	15	1.21
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	5	1.2
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	5	1.2
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	5	1.2
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	20	1.2
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	20	1.2
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	20	1.2
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	19	1.2
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	19	1.2
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	17	1.2
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	17	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	5	1.2
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	5	1.2
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	15	1.2
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	15	1.2
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	9	1.2
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	9	1.2
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	9	1.2
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	9	1.2
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	9	1.2
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	9	1.2
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	9	1.2
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	9	1.2
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	9	1.19
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	9	1.19
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	8	1.19
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	8	1.19
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	7	1.19
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	7	1.19
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	20	1.19
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	20	1.19
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	20	1.19
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	19	1.19
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	19	1.19
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	11	1.19
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	11	1.19
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	12	1.19
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	18	1.19
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	18	1.19
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	18	1.19
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	18	1.19
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	11	1.19
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	11	1.19
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	11	1.19
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	11	1.19
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	4	1.19
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	4	1.19
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	4	1.19
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	4	1.19
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	2	1.19
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	2	1.19
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	2	1.19
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	2	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	2	1.19
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	2	1.19
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	5	1.19
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	5	1.19
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	16	1.18
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	19	1.18
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	19	1.18
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	12	1.18
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	2	1.18
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	2	1.18
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	2	1.18
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	2	1.18
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	2	1.18
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	2	1.18
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	11	1.17
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	20	1.17
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	11	1.17
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	20	1.17
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	16	1.17
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	10	1.17
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	10	1.17
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	10	1.17
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	10	1.17
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	10	1.17
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	10	1.17
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	3	1.17
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	3	1.17
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	8	1.17
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	8	1.17
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	3	1.17
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	3	1.17
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	4	1.16
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	4	1.16
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	8	1.16
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	8	1.16
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	5	1.16
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	19	1.16
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	5	1.16
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	6	1.16
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	6	1.16
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	6	1.16
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	6	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	6	1.16
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	6	1.16
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	6	1.16
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	6	1.16
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	6	1.16
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	6	1.16
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	6	1.16
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	6	1.16
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	17	1.15
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	17	1.15
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	4	1.15
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	4	1.15
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	4	1.15
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	4	1.15
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	4	1.15
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	15	1.15
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	15	1.15
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	19	1.15
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	3	1.15
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	3	1.15
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	3	1.15
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	3	1.15
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	3	1.15
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	3	1.15
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	20	1.15
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	20	1.15
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	20	1.15
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	6	1.14
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	6	1.14
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	20	1.14
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	20	1.14
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	17	1.14
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	17	1.14
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	20	1.14
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	20	1.14
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	11	1.14
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	11	1.14
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	3	1.14
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	3	1.14
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	3	1.14
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	3	1.14
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	3	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	3	1.14
(2,32)	1:B:35:GLN:HB3	1:B:31:GLY:HA2	13	1.13
(2,31)	1:A:35:GLN:HB3	1:A:31:GLY:HA2	13	1.13
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	4	1.13
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	4	1.13
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	4	1.13
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	17	1.13
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	17	1.13
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	11	1.13
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	11	1.13
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	8	1.13
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	8	1.13
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	8	1.13
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	8	1.13
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	8	1.13
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	8	1.13
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	20	1.13
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	20	1.13
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	20	1.13
(2,66)	1:B:35:GLN:HB3	1:B:32:GLU:HB2	16	1.12
(2,65)	1:A:35:GLN:HB3	1:A:32:GLU:HB2	16	1.12
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	8	1.12
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	8	1.12
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	8	1.12
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	8	1.12
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	8	1.12
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	8	1.12
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	19	1.12
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	19	1.12
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	19	1.12
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	19	1.12
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	19	1.12
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	19	1.12
(1,637)	1:A:91:LYS:HB3	1:A:91:LYS:HD3	12	1.11
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	15	1.11
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	15	1.11
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	15	1.11
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	15	1.11
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	15	1.11
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	15	1.11
(1,562)	1:B:39:LYS:HD2	1:B:35:GLN:HG2	9	1.11
(1,562)	1:B:39:LYS:HD3	1:B:35:GLN:HG2	9	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:A:39:LYS:HD2	1:A:35:GLN:HG2	9	1.11
(1,561)	1:A:39:LYS:HD3	1:A:35:GLN:HG2	9	1.11
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	14	1.11
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	14	1.11
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	14	1.11
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	14	1.11
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	14	1.11
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	14	1.11
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	14	1.11
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	14	1.11
(2,32)	1:B:35:GLN:HB3	1:B:31:GLY:HA2	3	1.1
(2,31)	1:A:35:GLN:HB3	1:A:31:GLY:HA2	3	1.1
(1,638)	1:B:91:LYS:HB3	1:B:91:LYS:HD3	12	1.1
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	11	1.1
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	11	1.1
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	11	1.1
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	11	1.1
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	6	1.1
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	6	1.1
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	8	1.1
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	6	1.09
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	6	1.09
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	6	1.09
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	9	1.09
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	9	1.09
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	9	1.09
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	6	1.09
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	6	1.09
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	6	1.09
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	9	1.09
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	9	1.09
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	9	1.09
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	4	1.09
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	6	1.09
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	6	1.09
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	15	1.09
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	15	1.09
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	15	1.09
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	15	1.09
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	15	1.09
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	15	1.09
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	14	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	14	1.09
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	14	1.09
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	14	1.09
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	14	1.09
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	14	1.09
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	15	1.09
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	15	1.09
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	15	1.09
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	15	1.09
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	15	1.09
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	15	1.09
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	1	1.09
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	14	1.09
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	1	1.09
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	8	1.09
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	14	1.09
(1,1540)	1:B:84:ALA:H	1:B:91:LYS:HD3	12	1.09
(1,1539)	1:A:84:ALA:H	1:A:91:LYS:HD3	12	1.09
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	16	1.08
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	16	1.08
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	19	1.08
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	19	1.08
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	2	1.08
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	2	1.08
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	2	1.08
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	2	1.08
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	2	1.08
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	2	1.08
(1,558)	1:B:91:LYS:HD3	1:B:80:ILE:HA	12	1.08
(1,557)	1:A:91:LYS:HD3	1:A:80:ILE:HA	12	1.08
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	9	1.08
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	9	1.08
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	9	1.08
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	9	1.08
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	20	1.08
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	20	1.08
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	14	1.08
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	14	1.08
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	14	1.08
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	14	1.08
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	14	1.08
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	14	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	12	1.08
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	12	1.08
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	12	1.08
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	12	1.08
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	12	1.08
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	12	1.08
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	7	1.08
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	17	1.08
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	7	1.08
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	5	1.08
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	5	1.08
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	5	1.08
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	15	1.08
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	15	1.08
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	15	1.08
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	18	1.08
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	18	1.08
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	18	1.08
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	5	1.08
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	5	1.08
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	5	1.08
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	18	1.08
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	18	1.08
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	18	1.08
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	18	1.07
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	18	1.07
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	6	1.07
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	6	1.07
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	6	1.07
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	6	1.07
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	4	1.07
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	13	1.07
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	13	1.07
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	12	1.07
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	12	1.07
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	12	1.07
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	12	1.07
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	12	1.07
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	12	1.07
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	10	1.07
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	10	1.07
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	17	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	15	1.07
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	15	1.07
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	15	1.07
(2,136)	1:B:18:TYR:H	1:B:32:GLU:HB2	10	1.06
(2,135)	1:A:18:TYR:H	1:A:32:GLU:HB2	10	1.06
(2,134)	1:B:32:GLU:H	1:B:35:GLN:HB3	9	1.06
(2,133)	1:A:32:GLU:H	1:A:35:GLN:HB3	9	1.06
(1,638)	1:B:91:LYS:HB3	1:B:91:LYS:HD3	2	1.06
(1,637)	1:A:91:LYS:HB3	1:A:91:LYS:HD3	2	1.06
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	7	1.06
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	7	1.06
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	7	1.06
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	7	1.06
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	7	1.06
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	7	1.06
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	16	1.06
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	16	1.06
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	14	1.06
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	14	1.06
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	16	1.06
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	16	1.06
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	13	1.06
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	13	1.06
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	12	1.06
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	12	1.06
(2,66)	1:B:35:GLN:HB3	1:B:32:GLU:HB2	13	1.05
(2,133)	1:A:32:GLU:H	1:A:35:GLN:HB3	16	1.05
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	1	1.05
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	13	1.05
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	1	1.05
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	13	1.05
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	13	1.05
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	13	1.05
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	13	1.05
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	13	1.05
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	13	1.05
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	13	1.05
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	14	1.05
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	14	1.05
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	3	1.05
(1,3616)	1:B:89:THR:H	1:B:83:LYS:HD2	2	1.05
(1,3616)	1:B:89:THR:H	1:B:83:LYS:HD3	2	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3616)	1:B:89:THR:H	1:B:91:LYS:HB2	2	1.05
(1,3615)	1:A:89:THR:H	1:A:83:LYS:HD2	2	1.05
(1,3615)	1:A:89:THR:H	1:A:83:LYS:HD3	2	1.05
(1,3615)	1:A:89:THR:H	1:A:91:LYS:HB2	2	1.05
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	6	1.05
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	6	1.05
(2,65)	1:A:35:GLN:HB3	1:A:32:GLU:HB2	13	1.04
(2,134)	1:B:32:GLU:H	1:B:35:GLN:HB3	13	1.04
(2,134)	1:B:32:GLU:H	1:B:35:GLN:HB3	16	1.04
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	4	1.04
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	4	1.04
(1,554)	1:B:75:ILE:HD12	1:A:91:LYS:HD3	12	1.04
(1,554)	1:B:75:ILE:HD11	1:A:91:LYS:HD3	12	1.04
(1,554)	1:B:75:ILE:HD13	1:A:91:LYS:HD3	12	1.04
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	3	1.04
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	12	1.04
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	12	1.04
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	20	1.04
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	20	1.04
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	16	1.04
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	16	1.04
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	16	1.04
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	16	1.04
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	16	1.04
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	16	1.04
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	13	1.04
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	19	1.04
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	13	1.04
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	19	1.04
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	16	1.04
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	16	1.04
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	16	1.04
(2,133)	1:A:32:GLU:H	1:A:35:GLN:HB3	13	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	5	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	5	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	5	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	5	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	5	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	5	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	16	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	16	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	16	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	16	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	16	1.03
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	16	1.03
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	2	1.02
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	2	1.02
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	1	1.02
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	1	1.02
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	1	1.02
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	20	1.02
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	20	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	5	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	5	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	5	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	5	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	5	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	5	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	17	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	17	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	17	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	17	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	17	1.02
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	17	1.02
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	17	1.02
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	17	1.02
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	17	1.02
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	17	1.02
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	17	1.02
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	17	1.02
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	2	1.02
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	9	1.02
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	12	1.02
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	16	1.02
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	2	1.02
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	9	1.02
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	12	1.02
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	16	1.02
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	16	1.02
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	16	1.02
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	16	1.02
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	17	1.02
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	17	1.02
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	17	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	17	1.02
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	17	1.02
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	17	1.02
(1,553)	1:A:75:ILE:HD12	1:B:91:LYS:HD3	12	1.01
(1,553)	1:A:75:ILE:HD11	1:B:91:LYS:HD3	12	1.01
(1,553)	1:A:75:ILE:HD13	1:B:91:LYS:HD3	12	1.01
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	18	1.01
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	18	1.01
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	18	1.01
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	18	1.01
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	18	1.01
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	18	1.01
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	18	1.01
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	18	1.01
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	18	1.01
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	13	1.01
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	13	1.01
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	13	1.01
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	13	1.01
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	13	1.01
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	13	1.01
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	9	1.01
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	13	1.01
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	13	1.01
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	13	1.01
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	20	1.0
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	20	1.0
(1,634)	1:B:52:ALA:HB2	1:B:50:ASP:HB2	12	1.0
(1,634)	1:B:52:ALA:HB1	1:B:50:ASP:HB2	12	1.0
(1,634)	1:B:52:ALA:HB3	1:B:50:ASP:HB2	12	1.0
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	1	1.0
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	1	1.0
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	1	1.0
(1,633)	1:A:52:ALA:HB2	1:A:50:ASP:HB2	12	1.0
(1,633)	1:A:52:ALA:HB1	1:A:50:ASP:HB2	12	1.0
(1,633)	1:A:52:ALA:HB3	1:A:50:ASP:HB2	12	1.0
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	6	1.0
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	6	1.0
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	6	1.0
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	6	1.0
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	6	1.0
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	6	1.0
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	6	1.0
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	6	1.0
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	6	1.0
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	18	1.0
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	18	1.0
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	18	1.0
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	18	1.0
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	18	1.0
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	18	1.0
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	18	1.0
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	18	1.0
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	18	1.0
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	4	1.0
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	9	1.0
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	13	0.99
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	13	0.99
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	13	0.99
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	13	0.99
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	13	0.99
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	13	0.99
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	3	0.99
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	15	0.99
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	3	0.99
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	4	0.99
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	15	0.99
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	13	0.99
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	13	0.99
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	13	0.99
(2,134)	1:B:32:GLU:H	1:B:35:GLN:HB3	3	0.98
(2,133)	1:A:32:GLU:H	1:A:35:GLN:HB3	3	0.98
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	15	0.98
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	15	0.98
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	12	0.98
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	12	0.98
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	12	0.98
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	12	0.98
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	17	0.98
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	17	0.98
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	17	0.98
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	17	0.98
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	17	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	17	0.98
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	17	0.98
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	17	0.98
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	17	0.98
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	17	0.98
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	17	0.98
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	17	0.98
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	20	0.98
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	20	0.98
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	5	0.97
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	5	0.97
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	14	0.97
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	14	0.97
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	14	0.97
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	14	0.97
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	19	0.97
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	19	0.97
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	8	0.97
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	8	0.97
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	17	0.97
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	17	0.97
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	8	0.97
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	8	0.97
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	17	0.97
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	17	0.97
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	9	0.97
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	9	0.97
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	9	0.97
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	9	0.97
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	9	0.97
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	9	0.97
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	7	0.97
(2,9)	1:A:80:ILE:H	1:A:91:LYS:HD3	18	0.96
(2,66)	1:B:35:GLN:HB3	1:B:32:GLU:HB2	3	0.96
(2,66)	1:B:35:GLN:HB3	1:B:32:GLU:HB2	4	0.96
(2,65)	1:A:35:GLN:HB3	1:A:32:GLU:HB2	3	0.96
(2,65)	1:A:35:GLN:HB3	1:A:32:GLU:HB2	4	0.96
(2,10)	1:B:80:ILE:H	1:B:91:LYS:HD3	18	0.96
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	14	0.96
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	14	0.96
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG2	17	0.96
(1,486)	1:B:31:GLY:HA2	1:B:32:GLU:HG3	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG2	17	0.96
(1,485)	1:A:31:GLY:HA2	1:A:32:GLU:HG3	17	0.96
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	19	0.96
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	19	0.96
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	19	0.96
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	19	0.96
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	9	0.96
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	9	0.96
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	9	0.96
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	9	0.96
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	9	0.96
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	9	0.96
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	9	0.96
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	9	0.96
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	9	0.96
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	9	0.96
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	9	0.96
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	9	0.96
(1,2112)	1:B:80:ILE:HD12	1:B:76:SER:HB3	17	0.96
(1,2112)	1:B:80:ILE:HD11	1:B:76:SER:HB3	17	0.96
(1,2112)	1:B:80:ILE:HD13	1:B:76:SER:HB3	17	0.96
(1,2112)	1:B:80:ILE:HD12	1:B:79:ALA:HA	17	0.96
(1,2112)	1:B:80:ILE:HD11	1:B:79:ALA:HA	17	0.96
(1,2112)	1:B:80:ILE:HD13	1:B:79:ALA:HA	17	0.96
(1,2111)	1:A:80:ILE:HD12	1:A:76:SER:HB3	17	0.96
(1,2111)	1:A:80:ILE:HD11	1:A:76:SER:HB3	17	0.96
(1,2111)	1:A:80:ILE:HD13	1:A:76:SER:HB3	17	0.96
(1,2111)	1:A:80:ILE:HD12	1:A:79:ALA:HA	17	0.96
(1,2111)	1:A:80:ILE:HD11	1:A:79:ALA:HA	17	0.96
(1,2111)	1:A:80:ILE:HD13	1:A:79:ALA:HA	17	0.96
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	19	0.96
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	19	0.96
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	19	0.96
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	19	0.96
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	19	0.96
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	19	0.96
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	9	0.96
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	9	0.96
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	9	0.96
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	9	0.96
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	9	0.96
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	9	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	19	0.96
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	19	0.96
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	19	0.96
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	19	0.96
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	19	0.96
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	19	0.96
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	11	0.96
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	11	0.96
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	7	0.96
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	17	0.96
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	2	0.96
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	2	0.96
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	2	0.96
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	14	0.96
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	14	0.96
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	14	0.96
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	2	0.96
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	2	0.96
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	2	0.96
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	14	0.96
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	14	0.96
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	14	0.96
(2,80)	1:B:58:PHE:HB2	1:B:61:LEU:HB3	14	0.95
(2,79)	1:A:58:PHE:HB2	1:A:61:LEU:HB3	14	0.95
(2,134)	1:B:32:GLU:H	1:B:35:GLN:HB3	4	0.95
(2,134)	1:B:32:GLU:H	1:B:35:GLN:HB3	11	0.95
(2,133)	1:A:32:GLU:H	1:A:35:GLN:HB3	4	0.95
(2,133)	1:A:32:GLU:H	1:A:35:GLN:HB3	11	0.95
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	12	0.95
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	12	0.95
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	19	0.95
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	19	0.95
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	9	0.95
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	9	0.95
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	9	0.95
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	9	0.95
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	4	0.95
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	4	0.95
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	4	0.95
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	4	0.95
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	4	0.95
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	4	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	4	0.95
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	4	0.95
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	4	0.95
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	4	0.95
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	4	0.95
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	4	0.95
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	14	0.95
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	14	0.95
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	14	0.95
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	14	0.95
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	14	0.95
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	14	0.95
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	14	0.95
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	14	0.95
(1,2112)	1:B:80:ILE:HD12	1:B:76:SER:HB3	9	0.95
(1,2112)	1:B:80:ILE:HD11	1:B:76:SER:HB3	9	0.95
(1,2112)	1:B:80:ILE:HD13	1:B:76:SER:HB3	9	0.95
(1,2112)	1:B:80:ILE:HD12	1:B:79:ALA:HA	9	0.95
(1,2112)	1:B:80:ILE:HD11	1:B:79:ALA:HA	9	0.95
(1,2112)	1:B:80:ILE:HD13	1:B:79:ALA:HA	9	0.95
(1,2111)	1:A:80:ILE:HD12	1:A:76:SER:HB3	9	0.95
(1,2111)	1:A:80:ILE:HD11	1:A:76:SER:HB3	9	0.95
(1,2111)	1:A:80:ILE:HD13	1:A:76:SER:HB3	9	0.95
(1,2111)	1:A:80:ILE:HD12	1:A:79:ALA:HA	9	0.95
(1,2111)	1:A:80:ILE:HD11	1:A:79:ALA:HA	9	0.95
(1,2111)	1:A:80:ILE:HD13	1:A:79:ALA:HA	9	0.95
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	7	0.95
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	7	0.95
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	7	0.95
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	7	0.95
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	7	0.95
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	7	0.95
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	17	0.95
(1,478)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	16	0.94
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	4	0.94
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	4	0.94
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	4	0.94
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	4	0.94
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	3	0.94
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	3	0.94
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	3	0.94
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	3	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	3	0.94
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	3	0.94
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	3	0.94
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	3	0.94
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	3	0.94
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	3	0.94
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	17	0.94
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	17	0.94
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	17	0.94
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	17	0.94
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	17	0.94
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	17	0.94
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	17	0.94
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	17	0.94
(1,2112)	1:B:80:ILE:HD12	1:B:76:SER:HB3	10	0.94
(1,2112)	1:B:80:ILE:HD11	1:B:76:SER:HB3	10	0.94
(1,2112)	1:B:80:ILE:HD13	1:B:76:SER:HB3	10	0.94
(1,2112)	1:B:80:ILE:HD12	1:B:79:ALA:HA	10	0.94
(1,2112)	1:B:80:ILE:HD11	1:B:79:ALA:HA	10	0.94
(1,2112)	1:B:80:ILE:HD13	1:B:79:ALA:HA	10	0.94
(1,2112)	1:B:80:ILE:HD12	1:B:76:SER:HB3	14	0.94
(1,2112)	1:B:80:ILE:HD11	1:B:76:SER:HB3	14	0.94
(1,2112)	1:B:80:ILE:HD13	1:B:76:SER:HB3	14	0.94
(1,2112)	1:B:80:ILE:HD12	1:B:79:ALA:HA	14	0.94
(1,2112)	1:B:80:ILE:HD11	1:B:79:ALA:HA	14	0.94
(1,2112)	1:B:80:ILE:HD13	1:B:79:ALA:HA	14	0.94
(1,2111)	1:A:80:ILE:HD12	1:A:76:SER:HB3	10	0.94
(1,2111)	1:A:80:ILE:HD11	1:A:76:SER:HB3	10	0.94
(1,2111)	1:A:80:ILE:HD13	1:A:76:SER:HB3	10	0.94
(1,2111)	1:A:80:ILE:HD12	1:A:79:ALA:HA	10	0.94
(1,2111)	1:A:80:ILE:HD11	1:A:79:ALA:HA	10	0.94
(1,2111)	1:A:80:ILE:HD13	1:A:79:ALA:HA	10	0.94
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	6	0.94
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	6	0.94
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	6	0.94
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	7	0.94
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	7	0.94
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	7	0.94
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	6	0.94
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	6	0.94
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	6	0.94
(1,558)	1:B:91:LYS:HD3	1:B:80:ILE:HA	2	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,557)	1:A:91:LYS:HD3	1:A:80:ILE:HA	2	0.93
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	14	0.93
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	6	0.93
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	6	0.93
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	6	0.93
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	6	0.93
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	6	0.93
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	6	0.93
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	6	0.93
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	6	0.93
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	6	0.93
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	6	0.93
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	6	0.93
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	6	0.93
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	1	0.93
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	1	0.93
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	1	0.93
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	1	0.93
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	12	0.93
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	12	0.93
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	12	0.93
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	12	0.93
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	17	0.93
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	17	0.93
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	17	0.93
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	17	0.93
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	12	0.93
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	12	0.93
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	12	0.93
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	12	0.93
(1,2111)	1:A:80:ILE:HD12	1:A:76:SER:HB3	14	0.93
(1,2111)	1:A:80:ILE:HD11	1:A:76:SER:HB3	14	0.93
(1,2111)	1:A:80:ILE:HD13	1:A:76:SER:HB3	14	0.93
(1,2111)	1:A:80:ILE:HD12	1:A:79:ALA:HA	14	0.93
(1,2111)	1:A:80:ILE:HD11	1:A:79:ALA:HA	14	0.93
(1,2111)	1:A:80:ILE:HD13	1:A:79:ALA:HA	14	0.93
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	7	0.93
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	7	0.93
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	7	0.93
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	7	0.93
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	7	0.93
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	7	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	7	0.93
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	7	0.93
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	7	0.93
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	14	0.92
(1,3596)	1:B:85:ALA:H	1:B:91:LYS:HB2	12	0.92
(1,3596)	1:B:85:ALA:H	1:B:91:LYS:HD3	12	0.92
(1,3595)	1:A:85:ALA:H	1:A:91:LYS:HB2	12	0.92
(1,3595)	1:A:85:ALA:H	1:A:91:LYS:HD3	12	0.92
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	2	0.92
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	2	0.92
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	2	0.92
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	2	0.92
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	2	0.92
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	2	0.92
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	12	0.92
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	12	0.92
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	12	0.92
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	12	0.92
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	12	0.92
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	12	0.92
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	14	0.92
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	14	0.92
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	14	0.92
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	14	0.92
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	14	0.92
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	14	0.92
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	2	0.92
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	2	0.92
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	2	0.92
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	2	0.92
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	2	0.92
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	2	0.92
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	5	0.92
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	5	0.92
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	5	0.92
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	5	0.92
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	5	0.92
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	5	0.92
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	12	0.92
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	12	0.92
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	12	0.92
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	12	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	12	0.92
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	12	0.92
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	14	0.92
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	14	0.92
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	14	0.92
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	14	0.92
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	14	0.92
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	14	0.92
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	15	0.92
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	15	0.92
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	15	0.92
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	15	0.92
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	15	0.92
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	15	0.92
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	15	0.92
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	15	0.92
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	15	0.92
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	15	0.92
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	1	0.92
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	1	0.92
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	1	0.92
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	1	0.92
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	17	0.92
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	17	0.92
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	17	0.92
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	17	0.92
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	20	0.92
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	20	0.92
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	20	0.92
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	20	0.92
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	20	0.92
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	20	0.92
(1,1576)	1:B:75:ILE:H	1:B:75:ILE:HG12	18	0.92
(1,1575)	1:A:75:ILE:H	1:A:75:ILE:HG12	18	0.92
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	10	0.92
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	12	0.92
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	12	0.92
(1,778)	1:B:61:LEU:HD22	1:B:76:SER:HB3	3	0.91
(1,778)	1:B:61:LEU:HD21	1:B:76:SER:HB3	3	0.91
(1,778)	1:B:61:LEU:HD23	1:B:76:SER:HB3	3	0.91
(1,778)	1:B:61:LEU:HD22	1:B:76:SER:HB3	12	0.91
(1,778)	1:B:61:LEU:HD21	1:B:76:SER:HB3	12	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:B:61:LEU:HD23	1:B:76:SER:HB3	12	0.91
(1,777)	1:A:61:LEU:HD22	1:A:76:SER:HB3	3	0.91
(1,777)	1:A:61:LEU:HD21	1:A:76:SER:HB3	3	0.91
(1,777)	1:A:61:LEU:HD23	1:A:76:SER:HB3	3	0.91
(1,777)	1:A:61:LEU:HD22	1:A:76:SER:HB3	12	0.91
(1,777)	1:A:61:LEU:HD21	1:A:76:SER:HB3	12	0.91
(1,777)	1:A:61:LEU:HD23	1:A:76:SER:HB3	12	0.91
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	3	0.91
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	3	0.91
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	3	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	3	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	3	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	3	0.91
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	5	0.91
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	5	0.91
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	5	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	5	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	5	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	5	0.91
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	18	0.91
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	18	0.91
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	18	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	18	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	18	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	18	0.91
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	20	0.91
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	20	0.91
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	20	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	20	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	20	0.91
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	20	0.91
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	3	0.91
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	3	0.91
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	3	0.91
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	3	0.91
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	3	0.91
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	3	0.91
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	18	0.91
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	18	0.91
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	18	0.91
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	18	0.91
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	18	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	18	0.91
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	20	0.91
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	20	0.91
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	20	0.91
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	20	0.91
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	20	0.91
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	20	0.91
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	7	0.91
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	7	0.91
(1,2112)	1:B:80:ILE:HD12	1:B:76:SER:HB3	1	0.91
(1,2112)	1:B:80:ILE:HD11	1:B:76:SER:HB3	1	0.91
(1,2112)	1:B:80:ILE:HD13	1:B:76:SER:HB3	1	0.91
(1,2112)	1:B:80:ILE:HD12	1:B:79:ALA:HA	1	0.91
(1,2112)	1:B:80:ILE:HD11	1:B:79:ALA:HA	1	0.91
(1,2112)	1:B:80:ILE:HD13	1:B:79:ALA:HA	1	0.91
(1,2111)	1:A:80:ILE:HD12	1:A:76:SER:HB3	1	0.91
(1,2111)	1:A:80:ILE:HD11	1:A:76:SER:HB3	1	0.91
(1,2111)	1:A:80:ILE:HD13	1:A:76:SER:HB3	1	0.91
(1,2111)	1:A:80:ILE:HD12	1:A:79:ALA:HA	1	0.91
(1,2111)	1:A:80:ILE:HD11	1:A:79:ALA:HA	1	0.91
(1,2111)	1:A:80:ILE:HD13	1:A:79:ALA:HA	1	0.91
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	20	0.91
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	20	0.91
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	20	0.91
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	20	0.91
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	20	0.91
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	20	0.91
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	15	0.91
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	1	0.91
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	15	0.91
(1,477)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	16	0.9
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	12	0.9
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	12	0.9
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	12	0.9
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	12	0.9
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	12	0.9
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	12	0.9
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	12	0.9
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	12	0.9
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	12	0.9
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	12	0.9
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	4	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	10	0.9
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	13	0.9
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	4	0.9
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	4	0.9
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	4	0.9
(1,3616)	1:B:89:THR:H	1:B:83:LYS:HD2	12	0.89
(1,3616)	1:B:89:THR:H	1:B:83:LYS:HD3	12	0.89
(1,3616)	1:B:89:THR:H	1:B:91:LYS:HB2	12	0.89
(1,3615)	1:A:89:THR:H	1:A:83:LYS:HD2	12	0.89
(1,3615)	1:A:89:THR:H	1:A:83:LYS:HD3	12	0.89
(1,3615)	1:A:89:THR:H	1:A:91:LYS:HB2	12	0.89
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	4	0.89
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	4	0.89
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	15	0.89
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	15	0.89
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	15	0.89
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	15	0.89
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	15	0.89
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	15	0.89
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	16	0.89
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	16	0.89
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	16	0.89
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	16	0.89
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	16	0.89
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	16	0.89
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	19	0.89
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	19	0.89
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	19	0.89
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	19	0.89
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	19	0.89
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	19	0.89
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	10	0.89
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	10	0.89
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	10	0.89
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	10	0.89
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	10	0.89
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	10	0.89
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	15	0.89
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	15	0.89
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	15	0.89
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	15	0.89
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	15	0.89
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	16	0.89
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	16	0.89
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	16	0.89
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	16	0.89
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	16	0.89
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	16	0.89
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	19	0.89
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	19	0.89
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	19	0.89
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	19	0.89
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	19	0.89
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	19	0.89
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	7	0.89
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	7	0.89
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	7	0.89
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	7	0.89
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	7	0.89
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	12	0.89
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	12	0.89
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	12	0.89
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	12	0.89
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	12	0.89
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	7	0.89
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	7	0.89
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	7	0.89
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	7	0.89
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	7	0.89
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	12	0.89
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	12	0.89
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	12	0.89
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	12	0.89
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	12	0.89
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	5	0.89
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	5	0.89
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	5	0.89
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	5	0.89
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	5	0.89
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	5	0.89
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	5	0.89
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	5	0.89
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	5	0.89
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	2	0.89
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	2	0.89
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	2	0.89
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	2	0.89
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	2	0.89
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	2	0.89
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	2	0.89
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	2	0.89
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	9	0.89
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	9	0.89
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	9	0.89
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	9	0.89
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	9	0.89
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	9	0.89
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	9	0.89
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	9	0.89
(1,2112)	1:B:80:ILE:HD12	1:B:76:SER:HB3	12	0.89
(1,2112)	1:B:80:ILE:HD11	1:B:76:SER:HB3	12	0.89
(1,2112)	1:B:80:ILE:HD13	1:B:76:SER:HB3	12	0.89
(1,2112)	1:B:80:ILE:HD12	1:B:79:ALA:HA	12	0.89
(1,2112)	1:B:80:ILE:HD11	1:B:79:ALA:HA	12	0.89
(1,2112)	1:B:80:ILE:HD13	1:B:79:ALA:HA	12	0.89
(1,2111)	1:A:80:ILE:HD12	1:A:76:SER:HB3	12	0.89
(1,2111)	1:A:80:ILE:HD11	1:A:76:SER:HB3	12	0.89
(1,2111)	1:A:80:ILE:HD13	1:A:76:SER:HB3	12	0.89
(1,2111)	1:A:80:ILE:HD12	1:A:79:ALA:HA	12	0.89
(1,2111)	1:A:80:ILE:HD11	1:A:79:ALA:HA	12	0.89
(1,2111)	1:A:80:ILE:HD13	1:A:79:ALA:HA	12	0.89
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	1	0.89
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	4	0.89
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	13	0.89
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	4	0.89
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	4	0.89
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	4	0.89
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	3	0.89
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	3	0.89
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	3	0.89
(2,134)	1:B:32:GLU:H	1:B:35:GLN:HB3	17	0.88
(2,133)	1:A:32:GLU:H	1:A:35:GLN:HB3	17	0.88
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	16	0.88
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	16	0.88
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	16	0.88
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	4	0.88
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	4	0.88
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	1	0.88
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	1	0.88
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	1	0.88
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	1	0.88
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	1	0.88
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	1	0.88
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	10	0.88
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	10	0.88
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	10	0.88
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	10	0.88
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	10	0.88
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	10	0.88
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	1	0.88
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	1	0.88
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	1	0.88
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	1	0.88
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	1	0.88
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	1	0.88
(1,296)	1:B:83:LYS:HB3	1:B:80:ILE:HA	2	0.88
(1,295)	1:A:83:LYS:HB3	1:A:80:ILE:HA	2	0.88
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	13	0.88
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	13	0.88
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	13	0.88
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	13	0.88
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	13	0.88
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	13	0.88
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	13	0.88
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	13	0.88
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	13	0.88
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	13	0.88
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	7	0.88
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	7	0.88
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	4	0.88
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	4	0.88
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	4	0.88
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	4	0.88
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	4	0.88
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	4	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	4	0.88
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	4	0.88
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	4	0.88
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	4	0.88
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	4	0.88
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	4	0.88
(1,1418)	1:B:37:LEU:H	1:B:40:GLU:HB2	7	0.88
(1,1417)	1:A:37:LEU:H	1:A:40:GLU:HB2	7	0.88
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	3	0.88
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	3	0.88
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	3	0.88
(1,778)	1:B:61:LEU:HD22	1:B:76:SER:HB3	6	0.87
(1,778)	1:B:61:LEU:HD21	1:B:76:SER:HB3	6	0.87
(1,778)	1:B:61:LEU:HD23	1:B:76:SER:HB3	6	0.87
(1,777)	1:A:61:LEU:HD22	1:A:76:SER:HB3	6	0.87
(1,777)	1:A:61:LEU:HD21	1:A:76:SER:HB3	6	0.87
(1,777)	1:A:61:LEU:HD23	1:A:76:SER:HB3	6	0.87
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	11	0.87
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	11	0.87
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	11	0.87
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	11	0.87
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	11	0.87
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	11	0.87
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	13	0.87
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	13	0.87
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	13	0.87
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	13	0.87
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	13	0.87
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	13	0.87
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	11	0.87
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	11	0.87
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	11	0.87
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	11	0.87
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	11	0.87
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	11	0.87
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	13	0.87
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	13	0.87
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	13	0.87
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	13	0.87
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	13	0.87
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	13	0.87
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	14	0.87
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	14	0.87
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	14	0.87
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	14	0.87
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	14	0.87
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	14	0.87
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	14	0.87
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	14	0.87
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	14	0.87
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	2	0.87
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	2	0.87
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	2	0.87
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	2	0.87
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	6	0.87
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	6	0.87
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	6	0.87
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	6	0.87
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	20	0.87
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	20	0.87
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	20	0.87
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	20	0.87
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	2	0.87
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	2	0.87
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	2	0.87
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	2	0.87
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	6	0.87
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	6	0.87
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	6	0.87
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	6	0.87
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	20	0.87
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	20	0.87
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	20	0.87
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	20	0.87
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	18	0.87
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	18	0.87
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	18	0.87
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	18	0.87
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	18	0.87
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	18	0.87
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	18	0.87
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	18	0.87
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	18	0.87
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	18	0.87
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	18	0.87
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	6	0.87
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	20	0.87
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	6	0.87
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	20	0.87
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	11	0.87
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	11	0.87
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	11	0.87
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	11	0.87
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	11	0.87
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	11	0.87
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	3	0.86
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	3	0.86
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	1	0.86
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	1	0.86
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	1	0.86
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	1	0.86
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	1	0.86
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	10	0.86
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	10	0.86
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	10	0.86
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	10	0.86
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	10	0.86
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	1	0.86
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	1	0.86
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	1	0.86
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	1	0.86
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	1	0.86
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	10	0.86
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	10	0.86
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	10	0.86
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	10	0.86
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	10	0.86
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	5	0.86
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	5	0.86
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	5	0.86
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	5	0.86
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	5	0.86
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	5	0.86
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	5	0.86
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	3	0.86
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	2	0.86
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	3	0.86
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	14	0.86
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	17	0.85
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	17	0.85
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	7	0.85
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	7	0.85
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	7	0.85
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	7	0.85
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	7	0.85
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	7	0.85
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	7	0.85
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	7	0.85
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	7	0.85
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	7	0.85
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	7	0.85
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	7	0.85
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	15	0.85
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	15	0.85
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	15	0.85
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	15	0.85
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	13	0.85
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	13	0.85
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	13	0.85
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	13	0.85
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	15	0.85
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	15	0.85
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	15	0.85
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	15	0.85
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	19	0.85
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	19	0.85
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	19	0.85
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	19	0.85
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	13	0.85
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	13	0.85
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	13	0.85
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	13	0.85
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	15	0.85
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	15	0.85
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	15	0.85
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	19	0.85
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	19	0.85
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	19	0.85
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	19	0.85
(1,2112)	1:B:80:ILE:HD12	1:B:76:SER:HB3	15	0.85
(1,2112)	1:B:80:ILE:HD11	1:B:76:SER:HB3	15	0.85
(1,2112)	1:B:80:ILE:HD13	1:B:76:SER:HB3	15	0.85
(1,2112)	1:B:80:ILE:HD12	1:B:79:ALA:HA	15	0.85
(1,2112)	1:B:80:ILE:HD11	1:B:79:ALA:HA	15	0.85
(1,2112)	1:B:80:ILE:HD13	1:B:79:ALA:HA	15	0.85
(1,2111)	1:A:80:ILE:HD12	1:A:76:SER:HB3	15	0.85
(1,2111)	1:A:80:ILE:HD11	1:A:76:SER:HB3	15	0.85
(1,2111)	1:A:80:ILE:HD13	1:A:76:SER:HB3	15	0.85
(1,2111)	1:A:80:ILE:HD12	1:A:79:ALA:HA	15	0.85
(1,2111)	1:A:80:ILE:HD11	1:A:79:ALA:HA	15	0.85
(1,2111)	1:A:80:ILE:HD13	1:A:79:ALA:HA	15	0.85
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	2	0.85
(1,1333)	1:A:50:ASP:H	1:A:47:ASN:HB2	8	0.85
(2,134)	1:B:32:GLU:H	1:B:35:GLN:HB3	14	0.84
(2,133)	1:A:32:GLU:H	1:A:35:GLN:HB3	14	0.84
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	8	0.84
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	8	0.84
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	8	0.84
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	17	0.84
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	17	0.84
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	6	0.84
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	6	0.84
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	6	0.84
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	6	0.84
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	6	0.84
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	6	0.84
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	6	0.84
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	6	0.84
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	20	0.84
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	20	0.84
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	20	0.84
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	20	0.84
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	20	0.84
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	20	0.84
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	20	0.84
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	20	0.84
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	20	0.84
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	4	0.84
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	4	0.84
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	4	0.84
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	4	0.84
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	4	0.84
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	20	0.84
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	20	0.84
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	20	0.84
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	20	0.84
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	20	0.84
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	4	0.84
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	4	0.84
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	4	0.84
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	4	0.84
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	4	0.84
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	20	0.84
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	20	0.84
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	20	0.84
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	20	0.84
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	20	0.84
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	5	0.84
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	5	0.84
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	5	0.84
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	5	0.84
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	5	0.84
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	5	0.84
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	5	0.84
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	5	0.84
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	4	0.84
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	4	0.84
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	4	0.84
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	4	0.84
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	10	0.84
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	10	0.84
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	10	0.84
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	10	0.84
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	4	0.84
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	4	0.84
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	4	0.84
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	4	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	10	0.84
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	10	0.84
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	10	0.84
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	10	0.84
(1,2111)	1:A:80:ILE:HD12	1:A:76:SER:HB3	3	0.84
(1,2111)	1:A:80:ILE:HD11	1:A:76:SER:HB3	3	0.84
(1,2111)	1:A:80:ILE:HD13	1:A:76:SER:HB3	3	0.84
(1,2111)	1:A:80:ILE:HD12	1:A:79:ALA:HA	3	0.84
(1,2111)	1:A:80:ILE:HD11	1:A:79:ALA:HA	3	0.84
(1,2111)	1:A:80:ILE:HD13	1:A:79:ALA:HA	3	0.84
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	14	0.84
(1,1334)	1:B:50:ASP:H	1:B:47:ASN:HB2	8	0.84
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	1	0.84
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	1	0.84
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	1	0.84
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	1	0.84
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	1	0.84
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	1	0.84
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	8	0.83
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	8	0.83
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	8	0.83
(1,790)	1:B:30:LYS:HD3	1:B:54:ILE:HG22	1	0.83
(1,790)	1:B:30:LYS:HD3	1:B:54:ILE:HG21	1	0.83
(1,790)	1:B:30:LYS:HD3	1:B:54:ILE:HG23	1	0.83
(1,789)	1:A:30:LYS:HD3	1:A:54:ILE:HG22	1	0.83
(1,789)	1:A:30:LYS:HD3	1:A:54:ILE:HG21	1	0.83
(1,789)	1:A:30:LYS:HD3	1:A:54:ILE:HG23	1	0.83
(1,777)	1:A:61:LEU:HD22	1:A:76:SER:HB3	9	0.83
(1,777)	1:A:61:LEU:HD21	1:A:76:SER:HB3	9	0.83
(1,777)	1:A:61:LEU:HD23	1:A:76:SER:HB3	9	0.83
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	3	0.83
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	3	0.83
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	3	0.83
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	3	0.83
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	3	0.83
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	3	0.83
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	3	0.83
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	3	0.83
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	3	0.83
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	3	0.83
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	16	0.83
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	16	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	16	0.83
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	16	0.83
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	16	0.83
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	16	0.83
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	16	0.83
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	16	0.83
(1,2112)	1:B:80:ILE:HD12	1:B:76:SER:HB3	3	0.83
(1,2112)	1:B:80:ILE:HD11	1:B:76:SER:HB3	3	0.83
(1,2112)	1:B:80:ILE:HD13	1:B:76:SER:HB3	3	0.83
(1,2112)	1:B:80:ILE:HD12	1:B:79:ALA:HA	3	0.83
(1,2112)	1:B:80:ILE:HD11	1:B:79:ALA:HA	3	0.83
(1,2112)	1:B:80:ILE:HD13	1:B:79:ALA:HA	3	0.83
(1,2112)	1:B:80:ILE:HD12	1:B:76:SER:HB3	6	0.83
(1,2112)	1:B:80:ILE:HD11	1:B:76:SER:HB3	6	0.83
(1,2112)	1:B:80:ILE:HD13	1:B:76:SER:HB3	6	0.83
(1,2112)	1:B:80:ILE:HD12	1:B:79:ALA:HA	6	0.83
(1,2112)	1:B:80:ILE:HD11	1:B:79:ALA:HA	6	0.83
(1,2112)	1:B:80:ILE:HD13	1:B:79:ALA:HA	6	0.83
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	1	0.83
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	1	0.83
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	1	0.83
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	1	0.83
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	1	0.83
(1,1718)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	1	0.83
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	1	0.83
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	1	0.83
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	1	0.83
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	1	0.83
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	1	0.83
(1,1717)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	1	0.83
(1,1416)	1:B:41:LEU:H	1:B:40:GLU:HB2	7	0.83
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	5	0.83
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	19	0.83
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	5	0.83
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	8	0.83
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	8	0.83
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	8	0.83
(1,778)	1:B:61:LEU:HD22	1:B:76:SER:HB3	9	0.82
(1,778)	1:B:61:LEU:HD21	1:B:76:SER:HB3	9	0.82
(1,778)	1:B:61:LEU:HD23	1:B:76:SER:HB3	9	0.82
(1,778)	1:B:61:LEU:HD22	1:B:76:SER:HB3	17	0.82
(1,778)	1:B:61:LEU:HD21	1:B:76:SER:HB3	17	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:B:61:LEU:HD23	1:B:76:SER:HB3	17	0.82
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	19	0.82
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	19	0.82
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	19	0.82
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	19	0.82
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	19	0.82
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	19	0.82
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	19	0.82
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	19	0.82
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	19	0.82
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	19	0.82
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	19	0.82
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	19	0.82
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	19	0.82
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	19	0.82
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	19	0.82
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	19	0.82
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	19	0.82
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	19	0.82
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	19	0.82
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	19	0.82
(1,2112)	1:B:80:ILE:HD12	1:B:76:SER:HB3	5	0.82
(1,2112)	1:B:80:ILE:HD11	1:B:76:SER:HB3	5	0.82
(1,2112)	1:B:80:ILE:HD13	1:B:76:SER:HB3	5	0.82
(1,2112)	1:B:80:ILE:HD12	1:B:79:ALA:HA	5	0.82
(1,2112)	1:B:80:ILE:HD11	1:B:79:ALA:HA	5	0.82
(1,2112)	1:B:80:ILE:HD13	1:B:79:ALA:HA	5	0.82
(1,2111)	1:A:80:ILE:HD12	1:A:76:SER:HB3	5	0.82
(1,2111)	1:A:80:ILE:HD11	1:A:76:SER:HB3	5	0.82
(1,2111)	1:A:80:ILE:HD13	1:A:76:SER:HB3	5	0.82
(1,2111)	1:A:80:ILE:HD12	1:A:79:ALA:HA	5	0.82
(1,2111)	1:A:80:ILE:HD11	1:A:79:ALA:HA	5	0.82
(1,2111)	1:A:80:ILE:HD13	1:A:79:ALA:HA	5	0.82
(1,2111)	1:A:80:ILE:HD12	1:A:76:SER:HB3	6	0.82
(1,2111)	1:A:80:ILE:HD11	1:A:76:SER:HB3	6	0.82
(1,2111)	1:A:80:ILE:HD13	1:A:76:SER:HB3	6	0.82
(1,2111)	1:A:80:ILE:HD12	1:A:79:ALA:HA	6	0.82
(1,2111)	1:A:80:ILE:HD11	1:A:79:ALA:HA	6	0.82
(1,2111)	1:A:80:ILE:HD13	1:A:79:ALA:HA	6	0.82
(1,1415)	1:A:41:LEU:H	1:A:40:GLU:HB2	7	0.82
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	19	0.82
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	12	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	12	0.82
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	12	0.82
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	8	0.82
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	8	0.82
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	8	0.82
(1,778)	1:B:61:LEU:HD22	1:B:76:SER:HB3	14	0.81
(1,778)	1:B:61:LEU:HD21	1:B:76:SER:HB3	14	0.81
(1,778)	1:B:61:LEU:HD23	1:B:76:SER:HB3	14	0.81
(1,777)	1:A:61:LEU:HD22	1:A:76:SER:HB3	5	0.81
(1,777)	1:A:61:LEU:HD21	1:A:76:SER:HB3	5	0.81
(1,777)	1:A:61:LEU:HD23	1:A:76:SER:HB3	5	0.81
(1,777)	1:A:61:LEU:HD22	1:A:76:SER:HB3	14	0.81
(1,777)	1:A:61:LEU:HD21	1:A:76:SER:HB3	14	0.81
(1,777)	1:A:61:LEU:HD23	1:A:76:SER:HB3	14	0.81
(1,777)	1:A:61:LEU:HD22	1:A:76:SER:HB3	17	0.81
(1,777)	1:A:61:LEU:HD21	1:A:76:SER:HB3	17	0.81
(1,777)	1:A:61:LEU:HD23	1:A:76:SER:HB3	17	0.81
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	13	0.81
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	13	0.81
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	13	0.81
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	13	0.81
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	15	0.81
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	15	0.81
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	15	0.81
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	15	0.81
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	13	0.81
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	13	0.81
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	13	0.81
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	13	0.81
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	15	0.81
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	15	0.81
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	15	0.81
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	15	0.81
(1,3596)	1:B:85:ALA:H	1:B:91:LYS:HB2	2	0.81
(1,3596)	1:B:85:ALA:H	1:B:91:LYS:HD3	2	0.81
(1,3595)	1:A:85:ALA:H	1:A:91:LYS:HB2	2	0.81
(1,3595)	1:A:85:ALA:H	1:A:91:LYS:HD3	2	0.81
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	7	0.81
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	7	0.81
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	7	0.81
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	7	0.81
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	7	0.81
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	7	0.81
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	7	0.81
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	7	0.81
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	7	0.81
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	11	0.81
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	11	0.81
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	11	0.81
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	11	0.81
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	11	0.81
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	11	0.81
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	11	0.81
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	11	0.81
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	2	0.81
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	2	0.81
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	2	0.81
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	2	0.81
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	2	0.81
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	2	0.81
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	2	0.81
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	2	0.81
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	2	0.81
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	2	0.81
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	2	0.81
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	2	0.81
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	2	0.81
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	2	0.81
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	2	0.81
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	2	0.81
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	2	0.81
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	2	0.81
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	1	0.81
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	1	0.81
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	1	0.81
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	1	0.81
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	3	0.81
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	3	0.81
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	3	0.81
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	3	0.81
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	8	0.81
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	8	0.81
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	8	0.81
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	11	0.81
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	11	0.81
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	11	0.81
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	11	0.81
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	18	0.81
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	18	0.81
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	18	0.81
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	18	0.81
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	1	0.81
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	1	0.81
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	1	0.81
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	1	0.81
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	3	0.81
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	3	0.81
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	3	0.81
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	3	0.81
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	8	0.81
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	8	0.81
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	8	0.81
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	8	0.81
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	11	0.81
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	11	0.81
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	11	0.81
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	11	0.81
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	18	0.81
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	18	0.81
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	18	0.81
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	18	0.81
(1,1440)	1:B:73:GLU:H	1:B:72:GLN:HG2	13	0.81
(1,1440)	1:B:73:GLU:H	1:B:72:GLN:HG3	13	0.81
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG2	13	0.81
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG3	13	0.81
(1,778)	1:B:61:LEU:HD22	1:B:76:SER:HB3	1	0.8
(1,778)	1:B:61:LEU:HD21	1:B:76:SER:HB3	1	0.8
(1,778)	1:B:61:LEU:HD23	1:B:76:SER:HB3	1	0.8
(1,778)	1:B:61:LEU:HD22	1:B:76:SER:HB3	5	0.8
(1,778)	1:B:61:LEU:HD21	1:B:76:SER:HB3	5	0.8
(1,778)	1:B:61:LEU:HD23	1:B:76:SER:HB3	5	0.8
(1,777)	1:A:61:LEU:HD22	1:A:76:SER:HB3	1	0.8
(1,777)	1:A:61:LEU:HD21	1:A:76:SER:HB3	1	0.8
(1,777)	1:A:61:LEU:HD23	1:A:76:SER:HB3	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	2	0.8
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	2	0.8
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	2	0.8
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	2	0.8
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	2	0.8
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	2	0.8
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	2	0.8
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	2	0.8
(1,296)	1:B:83:LYS:HB3	1:B:80:ILE:HA	5	0.8
(1,295)	1:A:83:LYS:HB3	1:A:80:ILE:HA	5	0.8
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	8	0.8
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	8	0.8
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	8	0.8
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	8	0.8
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	8	0.8
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	8	0.8
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	8	0.8
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	8	0.8
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	8	0.8
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	8	0.8
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	16	0.8
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	16	0.8
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	16	0.8
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	16	0.8
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	16	0.8
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	16	0.8
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	16	0.8
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	16	0.8
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	12	0.8
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	12	0.8
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	12	0.8
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	12	0.8
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	12	0.8
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	12	0.8
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	12	0.8
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	12	0.8
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	12	0.8
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	12	0.8
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	12	0.8
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	12	0.8
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	12	0.8
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	12	0.8
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	12	0.8
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	12	0.8
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	12	0.8
(1,2608)	1:B:32:GLU:HB3	1:B:33:LEU:HB2	7	0.8
(1,2608)	1:B:34:LYS:HB2	1:B:33:LEU:HB2	7	0.8
(1,2608)	1:B:34:LYS:HB3	1:B:33:LEU:HB2	7	0.8
(1,2608)	1:B:33:LEU:HB2	1:B:37:LEU:HG	7	0.8
(1,2607)	1:A:32:GLU:HB3	1:A:33:LEU:HB2	7	0.8
(1,2607)	1:A:34:LYS:HB2	1:A:33:LEU:HB2	7	0.8
(1,2607)	1:A:34:LYS:HB3	1:A:33:LEU:HB2	7	0.8
(1,2607)	1:A:33:LEU:HB2	1:A:37:LEU:HG	7	0.8
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	12	0.8
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	12	0.8
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	12	0.8
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	3	0.79
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	3	0.79
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	3	0.79
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	17	0.79
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	17	0.79
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	17	0.79
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	17	0.79
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	18	0.79
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	18	0.79
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	18	0.79
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	18	0.79
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	17	0.79
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	17	0.79
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	17	0.79
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	17	0.79
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	18	0.79
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	18	0.79
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	18	0.79
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	18	0.79
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	7	0.79
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	7	0.79
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	7	0.79
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	7	0.79
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	11	0.79
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	11	0.79
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	11	0.79
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	11	0.79
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	11	0.79
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	11	0.79
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	11	0.79
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	11	0.79
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	11	0.79
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	18	0.79
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	18	0.79
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	18	0.79
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	18	0.79
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	3	0.78
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	3	0.78
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	3	0.78
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	6	0.78
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	6	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	1	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	1	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	1	0.78
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	1	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	5	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	5	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	5	0.78
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	5	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	7	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	7	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	7	0.78
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	7	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	9	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	9	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	9	0.78
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	9	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	10	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	10	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	10	0.78
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	10	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	16	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	16	0.78
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	16	0.78
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	16	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	1	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	1	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	1	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	5	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	5	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	5	0.78
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	5	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	7	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	7	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	7	0.78
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	7	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	9	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	9	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	9	0.78
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	9	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	10	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	10	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	10	0.78
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	10	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	16	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	16	0.78
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	16	0.78
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	16	0.78
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	14	0.78
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	14	0.78
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	14	0.78
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	14	0.78
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	1	0.78
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	1	0.78
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	9	0.78
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	9	0.78
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	9	0.78
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	9	0.78
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	9	0.78
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	9	0.78
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	9	0.78
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	9	0.78
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	9	0.78
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	9	0.78
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	17	0.78
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	17	0.78
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	17	0.78
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	17	0.78
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	17	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	17	0.78
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	17	0.78
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	17	0.78
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	17	0.78
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	17	0.78
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	12	0.78
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	12	0.78
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	12	0.78
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	12	0.78
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	1	0.78
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	1	0.78
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	16	0.78
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	16	0.78
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	19	0.78
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	19	0.78
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	19	0.78
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	19	0.78
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	1	0.77
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	1	0.77
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	16	0.77
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	16	0.77
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	16	0.77
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	16	0.77
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	16	0.77
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	18	0.77
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	18	0.77
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	18	0.77
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	18	0.77
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	18	0.77
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	16	0.77
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	16	0.77
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	16	0.77
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	16	0.77
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	16	0.77
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	5	0.77
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	5	0.77
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	6	0.77
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	6	0.77
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	6	0.77
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	6	0.77
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	1	0.77
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	8	0.76
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	8	0.76
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	8	0.76
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	8	0.76
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	8	0.76
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	8	0.76
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	8	0.76
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	8	0.76
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	5	0.76
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	5	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	5	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	5	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	5	0.76
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	10	0.76
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	10	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	10	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	10	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	10	0.76
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	18	0.76
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	18	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	18	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	18	0.76
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	18	0.76
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	6	0.76
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	6	0.76
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	16	0.76
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	16	0.76
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	17	0.76
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	17	0.76
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	6	0.76
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	6	0.76
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	16	0.76
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	16	0.76
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	17	0.76
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	17	0.76
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	5	0.76
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	5	0.76
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	4	0.75
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	4	0.75
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	4	0.75
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	4	0.75
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	12	0.75
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	12	0.75
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	12	0.75
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	19	0.75
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	19	0.75
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	19	0.75
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	19	0.75
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	4	0.75
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	4	0.75
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	4	0.75
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	4	0.75
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	12	0.75
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	12	0.75
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	12	0.75
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	12	0.75
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	19	0.75
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	19	0.75
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	19	0.75
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	19	0.75
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	5	0.75
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	5	0.75
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	5	0.75
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	5	0.75
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	5	0.75
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	6	0.75
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	6	0.75
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	6	0.75
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	6	0.75
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	6	0.75
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	10	0.75
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	10	0.75
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	10	0.75
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	10	0.75
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	10	0.75
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	6	0.75
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	6	0.75
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	6	0.75
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	6	0.75
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	6	0.75
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	16	0.75
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	16	0.75
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	16	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	16	0.75
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	20	0.74
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	20	0.74
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	20	0.74
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	20	0.74
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	20	0.74
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	20	0.74
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	20	0.74
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	20	0.74
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	2	0.74
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	2	0.74
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	2	0.74
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	2	0.74
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	2	0.74
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	2	0.74
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	2	0.74
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	2	0.74
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	2	0.74
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	2	0.74
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	2	0.74
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	2	0.74
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	20	0.74
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	20	0.74
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	2	0.74
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	2	0.74
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	20	0.74
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	20	0.74
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	16	0.74
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	16	0.74
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	5	0.74
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	5	0.74
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	5	0.74
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	5	0.74
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	5	0.74
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	5	0.74
(1,1695)	1:A:83:LYS:HE2	1:B:71:PHE:HB2	7	0.74
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	7	0.74
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	7	0.74
(1,1695)	1:A:83:LYS:HE3	1:B:71:PHE:HB2	7	0.74
(1,1416)	1:B:41:LEU:H	1:B:40:GLU:HB2	12	0.74
(1,1415)	1:A:41:LEU:H	1:A:40:GLU:HB2	12	0.74
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	11	0.73
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	11	0.73
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	13	0.73
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	13	0.73
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	14	0.73
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	14	0.73
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	14	0.73
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	14	0.73
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	14	0.73
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	14	0.73
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	14	0.73
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	14	0.73
(1,3176)	1:B:37:LEU:HD12	1:B:33:LEU:HB2	8	0.73
(1,3176)	1:B:37:LEU:HD11	1:B:33:LEU:HB2	8	0.73
(1,3176)	1:B:37:LEU:HD13	1:B:33:LEU:HB2	8	0.73
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG22	8	0.73
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG21	8	0.73
(1,3176)	1:B:33:LEU:HB2	1:B:54:ILE:HG23	8	0.73
(1,3175)	1:A:37:LEU:HD12	1:A:33:LEU:HB2	8	0.73
(1,3175)	1:A:37:LEU:HD11	1:A:33:LEU:HB2	8	0.73
(1,3175)	1:A:37:LEU:HD13	1:A:33:LEU:HB2	8	0.73
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG22	8	0.73
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG21	8	0.73
(1,3175)	1:A:33:LEU:HB2	1:A:54:ILE:HG23	8	0.73
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	4	0.73
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	4	0.73
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	4	0.73
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	4	0.73
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	4	0.73
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	4	0.73
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	4	0.73
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	4	0.73
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	4	0.73
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	4	0.73
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	4	0.73
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	4	0.73
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	8	0.73
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	8	0.73
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	10	0.73
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	10	0.73
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	4	0.73
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	8	0.73
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	8	0.73
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	10	0.73
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	10	0.73
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	19	0.73
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	19	0.73
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	19	0.73
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	19	0.73
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	19	0.73
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	19	0.73
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	19	0.73
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	19	0.73
(1,2342)	1:B:30:LYS:HB2	1:B:30:LYS:HE2	4	0.73
(1,2342)	1:B:30:LYS:HB3	1:B:30:LYS:HE2	4	0.73
(1,2341)	1:A:30:LYS:HB2	1:A:30:LYS:HE2	4	0.73
(1,2341)	1:A:30:LYS:HB3	1:A:30:LYS:HE2	4	0.73
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	5	0.73
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	5	0.73
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	5	0.73
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	5	0.73
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	5	0.73
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	5	0.73
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	7	0.73
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	7	0.73
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	7	0.73
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	7	0.73
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	7	0.73
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	7	0.73
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	7	0.73
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	7	0.73
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	7	0.73
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	7	0.73
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	7	0.73
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	7	0.73
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	11	0.72
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	11	0.72
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	11	0.72
(1,778)	1:B:61:LEU:HD22	1:B:76:SER:HB3	15	0.72
(1,778)	1:B:61:LEU:HD21	1:B:76:SER:HB3	15	0.72
(1,778)	1:B:61:LEU:HD23	1:B:76:SER:HB3	15	0.72
(1,777)	1:A:61:LEU:HD22	1:A:76:SER:HB3	15	0.72
(1,777)	1:A:61:LEU:HD21	1:A:76:SER:HB3	15	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:A:61:LEU:HD23	1:A:76:SER:HB3	15	0.72
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	8	0.72
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	8	0.72
(1,562)	1:B:39:LYS:HD2	1:B:35:GLN:HG2	3	0.72
(1,562)	1:B:39:LYS:HD3	1:B:35:GLN:HG2	3	0.72
(1,561)	1:A:39:LYS:HD2	1:A:35:GLN:HG2	3	0.72
(1,561)	1:A:39:LYS:HD3	1:A:35:GLN:HG2	3	0.72
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	11	0.72
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	11	0.72
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	11	0.72
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	11	0.72
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	11	0.72
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	11	0.72
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	11	0.72
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	11	0.72
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	14	0.72
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	14	0.72
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	14	0.72
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	14	0.72
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	4	0.72
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	4	0.72
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	4	0.72
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	4	0.72
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	20	0.72
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	20	0.72
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	20	0.72
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	20	0.72
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	20	0.72
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	20	0.72
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	20	0.72
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	20	0.72
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	20	0.72
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	20	0.72
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	20	0.72
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	20	0.72
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	20	0.72
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	20	0.72
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	20	0.72
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	20	0.72
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	20	0.72
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	20	0.72
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	19	0.72
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	19	0.72
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	19	0.72
(1,1696)	1:B:83:LYS:HE2	1:A:71:PHE:HB2	7	0.72
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	7	0.72
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	7	0.72
(1,1696)	1:B:83:LYS:HE3	1:A:71:PHE:HB2	7	0.72
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	12	0.71
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	12	0.71
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	12	0.71
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	7	0.71
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	7	0.71
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	19	0.71
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	19	0.71
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	7	0.71
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	7	0.71
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	4	0.71
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	4	0.71
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	4	0.71
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	4	0.71
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	19	0.71
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	19	0.71
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	19	0.71
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	19	0.71
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	12	0.7
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	12	0.7
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	12	0.7
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	10	0.7
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	10	0.7
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	2	0.7
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	2	0.7
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	2	0.7
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	2	0.7
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	2	0.7
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	11	0.7
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	11	0.7
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	11	0.7
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	11	0.7
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	11	0.7
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	2	0.7
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	2	0.7
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	2	0.7
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	2	0.7
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	11	0.7
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	11	0.7
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	11	0.7
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	11	0.7
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	11	0.7
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	19	0.7
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	19	0.7
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	10	0.69
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	10	0.69
(1,3333)	1:A:69:VAL:H	1:A:29:SER:HB3	8	0.69
(1,3333)	1:A:69:VAL:H	1:A:33:LEU:HA	8	0.69
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	10	0.69
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	10	0.69
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	12	0.69
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	12	0.69
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	12	0.69
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	12	0.69
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	13	0.69
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	13	0.69
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	13	0.69
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	13	0.69
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	13	0.69
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	13	0.69
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	13	0.69
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	13	0.69
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	15	0.69
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	15	0.69
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	15	0.69
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	15	0.69
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	15	0.69
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	15	0.69
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	15	0.69
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	15	0.69
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	15	0.69
(1,12)	1:B:75:ILE:HD12	1:A:83:LYS:HB3	10	0.69
(1,12)	1:B:75:ILE:HD11	1:A:83:LYS:HB3	10	0.69
(1,12)	1:B:75:ILE:HD13	1:A:83:LYS:HB3	10	0.69
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	10	0.68
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	9	0.68
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:B:75:ILE:HD12	1:A:91:LYS:HD3	2	0.68
(1,554)	1:B:75:ILE:HD11	1:A:91:LYS:HD3	2	0.68
(1,554)	1:B:75:ILE:HD13	1:A:91:LYS:HD3	2	0.68
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	10	0.68
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	16	0.68
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	16	0.68
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD12	3	0.68
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD11	3	0.68
(1,3711)	1:A:59:GLN:H	1:A:54:ILE:HD13	3	0.68
(1,3711)	1:A:59:GLN:H	1:A:61:LEU:HB3	3	0.68
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	8	0.68
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	8	0.68
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	8	0.68
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	8	0.68
(1,3334)	1:B:69:VAL:H	1:B:29:SER:HB3	8	0.68
(1,3334)	1:B:69:VAL:H	1:B:33:LEU:HA	8	0.68
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	8	0.68
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	8	0.68
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	8	0.68
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	8	0.68
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	8	0.68
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	8	0.68
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	8	0.68
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	8	0.68
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	8	0.68
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	8	0.68
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	3	0.68
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	3	0.68
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	3	0.68
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	3	0.68
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	15	0.68
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	15	0.68
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	15	0.68
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	15	0.68
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	15	0.68
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	15	0.68
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	15	0.68
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	15	0.68
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	15	0.68
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	15	0.68
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	15	0.68
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	15	0.68
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	15	0.68
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	15	0.68
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	15	0.68
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	15	0.68
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	6	0.68
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	6	0.68
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	6	0.68
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	6	0.68
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	6	0.68
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	6	0.68
(1,1695)	1:A:83:LYS:HE2	1:B:71:PHE:HB2	12	0.68
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	12	0.68
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	12	0.68
(1,1695)	1:A:83:LYS:HE3	1:B:71:PHE:HB2	12	0.68
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	9	0.67
(1,553)	1:A:75:ILE:HD12	1:B:91:LYS:HD3	2	0.67
(1,553)	1:A:75:ILE:HD11	1:B:91:LYS:HD3	2	0.67
(1,553)	1:A:75:ILE:HD13	1:B:91:LYS:HD3	2	0.67
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	10	0.67
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD12	3	0.67
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD11	3	0.67
(1,3712)	1:B:59:GLN:H	1:B:54:ILE:HD13	3	0.67
(1,3712)	1:B:59:GLN:H	1:B:61:LEU:HB3	3	0.67
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	4	0.67
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	4	0.67
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	4	0.67
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	4	0.67
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	4	0.67
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	4	0.67
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	4	0.67
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	4	0.67
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	4	0.67
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	4	0.67
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	4	0.67
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	4	0.67
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	11	0.67
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	11	0.67
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	11	0.67
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	11	0.67
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	12	0.67
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	12	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	12	0.67
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	12	0.67
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	12	0.67
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	12	0.67
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	12	0.67
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	12	0.67
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	6	0.67
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	6	0.67
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	6	0.67
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	6	0.67
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	6	0.67
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	6	0.67
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	3	0.66
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	3	0.66
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	3	0.66
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	3	0.66
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	3	0.66
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	3	0.66
(1,295)	1:A:83:LYS:HB3	1:A:80:ILE:HA	10	0.66
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	13	0.66
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	13	0.66
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	13	0.66
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	13	0.66
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	9	0.65
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	9	0.65
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	1	0.65
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	1	0.65
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	1	0.65
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	1	0.65
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	1	0.65
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	1	0.65
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	3	0.65
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	3	0.65
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	3	0.65
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	3	0.65
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	3	0.65
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	3	0.65
(1,296)	1:B:83:LYS:HB3	1:B:80:ILE:HA	10	0.65
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	13	0.65
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	13	0.65
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	13	0.65
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	13	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	13	0.65
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	13	0.65
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	13	0.65
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	13	0.65
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	13	0.65
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	13	0.65
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	18	0.65
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	18	0.65
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	18	0.65
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	18	0.65
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	18	0.65
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	18	0.65
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	18	0.65
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	18	0.65
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	18	0.65
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	18	0.65
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	18	0.65
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	18	0.65
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	18	0.65
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	18	0.65
(1,2342)	1:B:30:LYS:HB2	1:B:30:LYS:HE2	19	0.65
(1,2342)	1:B:30:LYS:HB3	1:B:30:LYS:HE2	19	0.65
(1,2341)	1:A:30:LYS:HB2	1:A:30:LYS:HE2	19	0.65
(1,2341)	1:A:30:LYS:HB3	1:A:30:LYS:HE2	19	0.65
(1,1696)	1:B:83:LYS:HE2	1:A:71:PHE:HB2	12	0.65
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	12	0.65
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	12	0.65
(1,1696)	1:B:83:LYS:HE3	1:A:71:PHE:HB2	12	0.65
(1,11)	1:A:75:ILE:HD12	1:B:83:LYS:HB3	10	0.65
(1,11)	1:A:75:ILE:HD11	1:B:83:LYS:HB3	10	0.65
(1,11)	1:A:75:ILE:HD13	1:B:83:LYS:HB3	10	0.65
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	11	0.64
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	11	0.64
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	11	0.64
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	11	0.64
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	16	0.64
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	16	0.64
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	16	0.64
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	16	0.64
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	16	0.64
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	6	0.63
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	6	0.63
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	16	0.63
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	16	0.63
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	16	0.63
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	16	0.63
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	16	0.63
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	19	0.63
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	19	0.63
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	19	0.63
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	19	0.63
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	19	0.63
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	19	0.63
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	19	0.63
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	19	0.63
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	19	0.63
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	19	0.63
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	19	0.63
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	19	0.63
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	19	0.63
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	19	0.63
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	19	0.63
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	19	0.63
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	19	0.63
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	19	0.63
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	1	0.63
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	1	0.63
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	1	0.63
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	1	0.63
(1,2342)	1:B:30:LYS:HB2	1:B:30:LYS:HE2	6	0.63
(1,2342)	1:B:30:LYS:HB3	1:B:30:LYS:HE2	6	0.63
(1,2342)	1:B:30:LYS:HB2	1:B:30:LYS:HE2	16	0.63
(1,2342)	1:B:30:LYS:HB3	1:B:30:LYS:HE2	16	0.63
(1,2341)	1:A:30:LYS:HB2	1:A:30:LYS:HE2	6	0.63
(1,2341)	1:A:30:LYS:HB3	1:A:30:LYS:HE2	6	0.63
(1,2341)	1:A:30:LYS:HB2	1:A:30:LYS:HE2	16	0.63
(1,2341)	1:A:30:LYS:HB3	1:A:30:LYS:HE2	16	0.63
(1,1696)	1:B:83:LYS:HE2	1:A:71:PHE:HB2	1	0.63
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	1	0.63
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	1	0.63
(1,1696)	1:B:83:LYS:HE3	1:A:71:PHE:HB2	1	0.63
(1,1695)	1:A:83:LYS:HE2	1:B:71:PHE:HB2	1	0.63
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	1	0.63
(1,1695)	1:A:83:LYS:HE3	1:B:71:PHE:HB2	1	0.63
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	9	0.62
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	9	0.62
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	9	0.62
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	9	0.62
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	9	0.62
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	9	0.62
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	9	0.62
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	9	0.62
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	9	0.62
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	9	0.62
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	2	0.62
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	2	0.62
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	9	0.62
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	9	0.62
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	2	0.62
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	2	0.62
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	9	0.62
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	9	0.62
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	3	0.62
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	3	0.62
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	3	0.62
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	3	0.62
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	3	0.62
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	3	0.62
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	3	0.62
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	3	0.62
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	3	0.62
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	3	0.62
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	3	0.62
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	3	0.62
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	3	0.62
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	3	0.62
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	1	0.62
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	1	0.62
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	1	0.62
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	1	0.62
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	16	0.62
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	16	0.62
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	16	0.62
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	16	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1854)	1:B:53:VAL:H	1:B:55:ASP:HB2	14	0.62
(1,1854)	1:B:54:ILE:H	1:B:55:ASP:HB2	14	0.62
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	12	0.62
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	12	0.62
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	12	0.62
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	12	0.62
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	12	0.62
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	12	0.62
(1,1468)	1:B:68:GLN:H	1:B:68:GLN:HG3	8	0.62
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	4	0.61
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	4	0.61
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	4	0.61
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	6	0.61
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	6	0.61
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	6	0.61
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	4	0.61
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	4	0.61
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	4	0.61
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	12	0.61
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	14	0.61
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	14	0.61
(1,2802)	1:B:47:ASN:HB2	1:B:46:LYS:HG2	8	0.61
(1,2802)	1:B:47:ASN:HB2	1:B:46:LYS:HG3	8	0.61
(1,2801)	1:A:47:ASN:HB2	1:A:46:LYS:HG2	8	0.61
(1,2801)	1:A:47:ASN:HB2	1:A:46:LYS:HG3	8	0.61
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	18	0.61
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	18	0.61
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	18	0.61
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	18	0.61
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	20	0.61
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	20	0.61
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	4	0.61
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	4	0.61
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	4	0.61
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	4	0.61
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	4	0.61
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	4	0.61
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	4	0.61
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	4	0.61
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	4	0.61
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	4	0.61
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	4	0.61
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	4	0.61
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	4	0.61
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	7	0.61
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	7	0.61
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	7	0.61
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	7	0.61
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	7	0.61
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	7	0.61
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	7	0.61
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	7	0.61
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	16	0.61
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	16	0.61
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	16	0.61
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	16	0.61
(1,1854)	1:B:53:VAL:H	1:B:55:ASP:HB2	20	0.61
(1,1854)	1:B:54:ILE:H	1:B:55:ASP:HB2	20	0.61
(1,1853)	1:A:53:VAL:H	1:A:55:ASP:HB2	14	0.61
(1,1853)	1:A:54:ILE:H	1:A:55:ASP:HB2	14	0.61
(1,1853)	1:A:53:VAL:H	1:A:55:ASP:HB2	20	0.61
(1,1853)	1:A:54:ILE:H	1:A:55:ASP:HB2	20	0.61
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	7	0.61
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	7	0.61
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	7	0.61
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	7	0.61
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	7	0.61
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	7	0.61
(1,1467)	1:A:68:GLN:H	1:A:68:GLN:HG3	8	0.61
(1,562)	1:B:39:LYS:HD2	1:B:35:GLN:HG2	16	0.6
(1,562)	1:B:39:LYS:HD3	1:B:35:GLN:HG2	16	0.6
(1,561)	1:A:39:LYS:HD2	1:A:35:GLN:HG2	16	0.6
(1,561)	1:A:39:LYS:HD3	1:A:35:GLN:HG2	16	0.6
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	12	0.6
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	19	0.6
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	19	0.6
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	18	0.6
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	18	0.6
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	18	0.6
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	18	0.6
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	16	0.6
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	16	0.6
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	16	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	16	0.6
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	16	0.6
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	16	0.6
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	16	0.6
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	16	0.6
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	16	0.6
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	20	0.6
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	20	0.6
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	13	0.6
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	13	0.6
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	13	0.6
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	13	0.6
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	13	0.6
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	13	0.6
(2,58)	1:B:32:GLU:HB2	1:B:35:GLN:HB2	6	0.59
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	20	0.59
(1,408)	1:B:36:LEU:HD22	1:B:40:GLU:HB2	7	0.59
(1,408)	1:B:36:LEU:HD21	1:B:40:GLU:HB2	7	0.59
(1,408)	1:B:36:LEU:HD23	1:B:40:GLU:HB2	7	0.59
(1,407)	1:A:36:LEU:HD22	1:A:40:GLU:HB2	7	0.59
(1,407)	1:A:36:LEU:HD21	1:A:40:GLU:HB2	7	0.59
(1,407)	1:A:36:LEU:HD23	1:A:40:GLU:HB2	7	0.59
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	19	0.59
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	19	0.59
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	1	0.59
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	1	0.59
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	1	0.59
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	1	0.59
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	1	0.59
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	1	0.59
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	1	0.59
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	1	0.59
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	1	0.59
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	1	0.59
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	1	0.59
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	1	0.59
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	13	0.59
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	13	0.59
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	13	0.59
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	13	0.59
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	13	0.59
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	14	0.59
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	14	0.59
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	14	0.59
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	14	0.59
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	14	0.59
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	14	0.59
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	14	0.59
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	14	0.59
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	14	0.59
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	16	0.59
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	16	0.59
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	16	0.59
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	16	0.59
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	16	0.59
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	16	0.59
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	16	0.59
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	16	0.59
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	16	0.59
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	14	0.59
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	14	0.59
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	14	0.59
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	14	0.59
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	14	0.59
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	14	0.59
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	14	0.59
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	14	0.59
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	14	0.59
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	16	0.59
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	16	0.59
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	16	0.59
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	16	0.59
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	16	0.59
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	16	0.59
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	16	0.59
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	10	0.59
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	10	0.59
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	10	0.59
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	10	0.59
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	10	0.59
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	10	0.59
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	10	0.59
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	16	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	16	0.59
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	16	0.59
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	16	0.59
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	16	0.59
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	16	0.59
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	16	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	5	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	5	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	5	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	5	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	9	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	9	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	9	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	9	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	14	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	14	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	14	0.59
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	14	0.59
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	5	0.59
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	5	0.59
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	5	0.59
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	5	0.59
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	14	0.59
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	14	0.59
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	14	0.59
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	14	0.59
(2,57)	1:A:32:GLU:HB2	1:A:35:GLN:HB2	6	0.58
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	17	0.58
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	17	0.58
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	20	0.58
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	13	0.58
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	13	0.58
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	13	0.58
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	13	0.58
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	13	0.58
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	13	0.58
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	19	0.58
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	19	0.58
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	19	0.58
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	19	0.58
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	19	0.58
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	17	0.58
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	17	0.58
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	17	0.58
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	17	0.58
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	17	0.58
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	17	0.58
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	17	0.58
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	17	0.58
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	17	0.58
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	13	0.58
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	13	0.58
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	13	0.58
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	13	0.58
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	13	0.58
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	13	0.58
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	13	0.58
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	13	0.58
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	13	0.58
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	17	0.58
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	17	0.58
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	17	0.58
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	17	0.58
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	17	0.58
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	17	0.58
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	17	0.58
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	17	0.58
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	17	0.58
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	10	0.58
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	10	0.58
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	10	0.58
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	10	0.58
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	10	0.58
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	10	0.58
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	10	0.58
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	9	0.58
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	9	0.58
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	17	0.58
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	17	0.58
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	17	0.58
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	17	0.58
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	9	0.58
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	9	0.58
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	9	0.58
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	17	0.58
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	17	0.58
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	17	0.58
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	17	0.58
(1,1854)	1:B:53:VAL:H	1:B:55:ASP:HB2	10	0.58
(1,1854)	1:B:54:ILE:H	1:B:55:ASP:HB2	10	0.58
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	11	0.57
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	7	0.57
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	7	0.57
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	7	0.57
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	16	0.57
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	16	0.57
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	16	0.57
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	7	0.57
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	7	0.57
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	7	0.57
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	16	0.57
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	16	0.57
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	16	0.57
(1,618)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	5	0.57
(1,618)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	5	0.57
(1,618)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	5	0.57
(1,618)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	7	0.57
(1,618)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	7	0.57
(1,618)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	7	0.57
(1,617)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	5	0.57
(1,617)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	5	0.57
(1,617)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	5	0.57
(1,617)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	7	0.57
(1,617)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	7	0.57
(1,617)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	7	0.57
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	9	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	9	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	9	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	9	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	9	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	9	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	9	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	14	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	14	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	14	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	14	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	14	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	17	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	17	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	17	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	17	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	17	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	17	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	19	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	19	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	19	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	19	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	19	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	19	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	20	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	20	0.57
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	20	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	20	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	20	0.57
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	20	0.57
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	9	0.57
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	9	0.57
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	9	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	9	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	9	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	9	0.57
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	14	0.57
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	14	0.57
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	14	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	14	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	14	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	14	0.57
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	17	0.57
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	17	0.57
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	17	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	17	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	17	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	17	0.57
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	20	0.57
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	20	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	20	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	20	0.57
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	20	0.57
(1,2898)	1:B:39:LYS:HG3	1:B:37:LEU:HB2	18	0.57
(1,2898)	1:B:48:ILE:HG12	1:B:39:LYS:HG3	18	0.57
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD12	18	0.57
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD11	18	0.57
(1,2898)	1:B:39:LYS:HG3	1:B:54:ILE:HD13	18	0.57
(1,2897)	1:A:39:LYS:HG3	1:A:37:LEU:HB2	18	0.57
(1,2897)	1:A:48:ILE:HG12	1:A:39:LYS:HG3	18	0.57
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD12	18	0.57
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD11	18	0.57
(1,2897)	1:A:39:LYS:HG3	1:A:54:ILE:HD13	18	0.57
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	13	0.57
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	13	0.57
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	13	0.57
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	13	0.57
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	13	0.57
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	13	0.57
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	13	0.57
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	13	0.57
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	13	0.57
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	2	0.57
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	2	0.57
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	2	0.57
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	2	0.57
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	2	0.57
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	2	0.57
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	2	0.57
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	2	0.57
(1,1853)	1:A:53:VAL:H	1:A:55:ASP:HB2	10	0.57
(1,1853)	1:A:54:ILE:H	1:A:55:ASP:HB2	10	0.57
(1,1468)	1:B:68:GLN:H	1:B:68:GLN:HG3	9	0.57
(1,1467)	1:A:68:GLN:H	1:A:68:GLN:HG3	9	0.57
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	11	0.56
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	13	0.56
(1,790)	1:B:30:LYS:HD3	1:B:54:ILE:HG22	15	0.56
(1,790)	1:B:30:LYS:HD3	1:B:54:ILE:HG21	15	0.56
(1,790)	1:B:30:LYS:HD3	1:B:54:ILE:HG23	15	0.56
(1,789)	1:A:30:LYS:HD3	1:A:54:ILE:HG22	15	0.56
(1,789)	1:A:30:LYS:HD3	1:A:54:ILE:HG21	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:A:30:LYS:HD3	1:A:54:ILE:HG23	15	0.56
(1,562)	1:B:39:LYS:HD2	1:B:35:GLN:HG2	17	0.56
(1,562)	1:B:39:LYS:HD3	1:B:35:GLN:HG2	17	0.56
(1,561)	1:A:39:LYS:HD2	1:A:35:GLN:HG2	17	0.56
(1,561)	1:A:39:LYS:HD3	1:A:35:GLN:HG2	17	0.56
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	9	0.56
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	1	0.56
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	1	0.56
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	1	0.56
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	1	0.56
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	1	0.56
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	1	0.56
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	1	0.56
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	1	0.56
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	1	0.56
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	1	0.56
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	1	0.56
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	20	0.56
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	20	0.56
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	20	0.56
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	20	0.56
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	20	0.56
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	20	0.56
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	20	0.56
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	20	0.56
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	20	0.56
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	20	0.56
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	20	0.56
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	20	0.56
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	20	0.56
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	20	0.56
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	2	0.56
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	2	0.56
(2,57)	1:A:32:GLU:HB2	1:A:35:GLN:HB2	1	0.55
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	7	0.55
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	18	0.55
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	13	0.55
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	18	0.55
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	18	0.55
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	18	0.55
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	1	0.55
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	6	0.55
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	6	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	6	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	6	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	6	0.55
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	8	0.55
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	8	0.55
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	8	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	8	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	8	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	8	0.55
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	10	0.55
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	10	0.55
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	10	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	10	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	10	0.55
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	10	0.55
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	8	0.55
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	8	0.55
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	8	0.55
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	8	0.55
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	8	0.55
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	8	0.55
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	10	0.55
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	10	0.55
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	10	0.55
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	10	0.55
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	10	0.55
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	10	0.55
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	13	0.55
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	13	0.55
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	13	0.55
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	13	0.55
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	13	0.55
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	13	0.55
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	13	0.55
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	13	0.55
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	13	0.55
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	13	0.55
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	7	0.55
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	7	0.55
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	7	0.55
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	7	0.55
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	7	0.55
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	7	0.55
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	7	0.55
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	7	0.55
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	7	0.55
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	7	0.55
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	7	0.55
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	7	0.55
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	7	0.55
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	13	0.55
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	13	0.55
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	13	0.55
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	13	0.55
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	13	0.55
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	13	0.55
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	13	0.55
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	9	0.55
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	9	0.55
(1,2509)	1:A:83:LYS:HE2	1:B:72:GLN:HB3	10	0.55
(1,2509)	1:A:83:LYS:HE3	1:B:72:GLN:HB3	10	0.55
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE2	3	0.55
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE3	3	0.55
(1,2338)	1:B:58:PHE:HB2	1:B:59:GLN:HG3	3	0.55
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE2	3	0.55
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE3	3	0.55
(1,2337)	1:A:58:PHE:HB2	1:A:59:GLN:HG3	3	0.55
(1,1696)	1:B:83:LYS:HE2	1:A:71:PHE:HB2	4	0.55
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	4	0.55
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	4	0.55
(1,1696)	1:B:83:LYS:HE3	1:A:71:PHE:HB2	4	0.55
(1,1695)	1:A:83:LYS:HE2	1:B:71:PHE:HB2	4	0.55
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	4	0.55
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	4	0.55
(1,1695)	1:A:83:LYS:HE3	1:B:71:PHE:HB2	4	0.55
(2,58)	1:B:32:GLU:HB2	1:B:35:GLN:HB2	1	0.54
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	5	0.54
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	7	0.54
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	18	0.54
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	18	0.54
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	18	0.54
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	7	0.54
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	7	0.54
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	7	0.54
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	7	0.54
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	7	0.54
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	7	0.54
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	6	0.54
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	6	0.54
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	6	0.54
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	6	0.54
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	6	0.54
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	6	0.54
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	7	0.54
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	7	0.54
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	7	0.54
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	7	0.54
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	7	0.54
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	7	0.54
(1,2788)	1:B:37:LEU:HA	1:B:33:LEU:HG	1	0.54
(1,2788)	1:B:72:GLN:HA	1:B:75:ILE:HG12	1	0.54
(1,2787)	1:A:37:LEU:HA	1:A:33:LEU:HG	1	0.54
(1,2787)	1:A:72:GLN:HA	1:A:75:ILE:HG12	1	0.54
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	13	0.54
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	13	0.54
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	13	0.54
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	13	0.54
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	13	0.54
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	13	0.54
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	13	0.54
(1,2342)	1:B:30:LYS:HB2	1:B:30:LYS:HE2	11	0.54
(1,2342)	1:B:30:LYS:HB3	1:B:30:LYS:HE2	11	0.54
(1,2341)	1:A:30:LYS:HB2	1:A:30:LYS:HE2	11	0.54
(1,2341)	1:A:30:LYS:HB3	1:A:30:LYS:HE2	11	0.54
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	2	0.54
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	2	0.54
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	2	0.54
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	2	0.54
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	2	0.54
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	2	0.54
(2,58)	1:B:32:GLU:HB2	1:B:35:GLN:HB2	7	0.53
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	19	0.53
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	19	0.53
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	9	0.53
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	9	0.53
(1,296)	1:B:83:LYS:HB3	1:B:80:ILE:HA	12	0.53
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	6	0.53
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	6	0.53
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	6	0.53
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	6	0.53
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	6	0.53
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	6	0.53
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	6	0.53
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	6	0.53
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	6	0.53
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	6	0.53
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	6	0.53
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	6	0.53
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	6	0.53
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	6	0.53
(2,57)	1:A:32:GLU:HB2	1:A:35:GLN:HB2	7	0.52
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	14	0.52
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	15	0.52
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	14	0.52
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	15	0.52
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	3	0.52
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	2	0.52
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	2	0.52
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	2	0.52
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	2	0.52
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	2	0.52
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	2	0.52
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	5	0.52
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	5	0.52
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	5	0.52
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	5	0.52
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	5	0.52
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	5	0.52
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	18	0.52
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	18	0.52
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	18	0.52
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	18	0.52
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	18	0.52
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	2	0.52
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	2	0.52
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	2	0.52
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	2	0.52
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	2	0.52
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	2	0.52
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	5	0.52
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	5	0.52
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	5	0.52
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	5	0.52
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	5	0.52
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	5	0.52
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	18	0.52
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	18	0.52
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	18	0.52
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	18	0.52
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	18	0.52
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	18	0.52
(1,295)	1:A:83:LYS:HB3	1:A:80:ILE:HA	12	0.52
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	20	0.52
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	20	0.52
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	20	0.52
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	20	0.52
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	20	0.52
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	20	0.52
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	20	0.52
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	20	0.52
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	20	0.52
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	20	0.52
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	20	0.52
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	20	0.52
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	14	0.52
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	14	0.52
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	19	0.52
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	19	0.52
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	19	0.52
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	19	0.52
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	19	0.52
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	19	0.52
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	19	0.52
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	19	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	19	0.52
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	19	0.52
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	19	0.52
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	19	0.52
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	19	0.52
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	19	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	11	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	11	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	11	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	11	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	13	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	13	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	13	0.52
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	13	0.52
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	11	0.52
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	11	0.52
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	11	0.52
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	11	0.52
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	13	0.52
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	13	0.52
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	13	0.52
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	13	0.52
(1,1854)	1:B:53:VAL:H	1:B:55:ASP:HB2	3	0.52
(1,1854)	1:B:54:ILE:H	1:B:55:ASP:HB2	3	0.52
(1,1418)	1:B:37:LEU:H	1:B:40:GLU:HB2	12	0.52
(1,1417)	1:A:37:LEU:H	1:A:40:GLU:HB2	12	0.52
(2,58)	1:B:32:GLU:HB2	1:B:35:GLN:HB2	18	0.51
(2,57)	1:A:32:GLU:HB2	1:A:35:GLN:HB2	18	0.51
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	12	0.51
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	12	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	1	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	4	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	5	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	6	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	9	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	10	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	11	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	12	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	14	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	15	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	16	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	18	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	20	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	1	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	2	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	3	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	5	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	6	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	9	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	10	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	11	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	12	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	14	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	15	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	16	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	17	0.51
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	18	0.51
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	3	0.51
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	14	0.51
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	14	0.51
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	5	0.51
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	5	0.51
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	5	0.51
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	5	0.51
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	5	0.51
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	5	0.51
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	5	0.51
(1,1853)	1:A:53:VAL:H	1:A:55:ASP:HB2	3	0.51
(1,1853)	1:A:54:ILE:H	1:A:55:ASP:HB2	3	0.51
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	19	0.51
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	19	0.51
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	19	0.51
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	19	0.51
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	19	0.51
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	19	0.51
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	2	0.5
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	3	0.5
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	7	0.5
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	8	0.5
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	13	0.5
(1,550)	1:B:37:LEU:HB3	1:B:37:LEU:HG	19	0.5
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	4	0.5
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	8	0.5
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	13	0.5
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	19	0.5
(1,549)	1:A:37:LEU:HB3	1:A:37:LEU:HG	20	0.5
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	4	0.5
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	4	0.5
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	3	0.5
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	3	0.5
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	3	0.5
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	3	0.5
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	3	0.5
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	3	0.5
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	3	0.5
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	3	0.5
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	1	0.5
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	1	0.5
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	1	0.5
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	1	0.5
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	5	0.5
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	5	0.5
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	5	0.5
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	5	0.5
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	5	0.5
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	5	0.5
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	5	0.5
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	3	0.5
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	3	0.5
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	3	0.5
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	3	0.5
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	12	0.5
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	12	0.5
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	12	0.5
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	12	0.5
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	3	0.5
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	3	0.5
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	3	0.5
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	3	0.5
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	12	0.5
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	12	0.5
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	12	0.5
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	12	0.5
(1,2209)	1:A:61:LEU:HB2	1:A:74:PHE:HB2	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:A:61:LEU:HB2	1:A:74:PHE:HB3	7	0.5
(1,2170)	1:B:59:GLN:HA	1:B:58:PHE:HB2	4	0.5
(1,2170)	1:B:86:HIS:HA	1:B:88:HIS:HB3	4	0.5
(1,2169)	1:A:59:GLN:HA	1:A:58:PHE:HB2	4	0.5
(1,2169)	1:A:86:HIS:HA	1:A:88:HIS:HB3	4	0.5
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	8	0.5
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	8	0.5
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	1	0.49
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	1	0.49
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	14	0.49
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	14	0.49
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	14	0.49
(1,654)	1:B:37:LEU:HB2	1:B:48:ILE:HG12	11	0.49
(1,653)	1:A:37:LEU:HB2	1:A:48:ILE:HG12	11	0.49
(1,546)	1:B:46:LYS:HD2	1:B:46:LYS:HB3	19	0.49
(1,545)	1:A:46:LYS:HD2	1:A:46:LYS:HB3	19	0.49
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	11	0.49
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	11	0.49
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	16	0.49
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	16	0.49
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	16	0.49
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	16	0.49
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	16	0.49
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	16	0.49
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	11	0.49
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	11	0.49
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	11	0.49
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	11	0.49
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	11	0.49
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	11	0.49
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	16	0.49
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	16	0.49
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	16	0.49
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	16	0.49
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	16	0.49
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	16	0.49
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	20	0.49
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	20	0.49
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	20	0.49
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	20	0.49
(1,2210)	1:B:61:LEU:HB2	1:B:74:PHE:HB2	7	0.49
(1,2210)	1:B:61:LEU:HB2	1:B:74:PHE:HB3	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	7	0.49
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	7	0.49
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	1	0.49
(2,56)	1:B:70:ASP:HB3	1:B:74:PHE:HB2	18	0.48
(2,55)	1:A:70:ASP:HB3	1:A:74:PHE:HB2	18	0.48
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	13	0.48
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	13	0.48
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	13	0.48
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	14	0.48
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	14	0.48
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	14	0.48
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	13	0.48
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	13	0.48
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	13	0.48
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	11	0.48
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	11	0.48
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	11	0.48
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	11	0.48
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	11	0.48
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	11	0.48
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	11	0.48
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	11	0.48
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	15	0.48
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	15	0.48
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	15	0.48
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	15	0.48
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	15	0.48
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	15	0.48
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	15	0.48
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	15	0.48
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	15	0.48
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	15	0.48
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	15	0.48
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	15	0.48
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	20	0.48
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	20	0.48
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	20	0.48
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	20	0.48
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	15	0.48
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	15	0.48
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	2	0.48
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	2	0.48
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	2	0.48
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	2	0.48
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	2	0.48
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	2	0.48
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	2	0.48
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	2	0.48
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	2	0.48
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	2	0.48
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	2	0.48
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	2	0.48
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	2	0.48
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	10	0.48
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	10	0.48
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	10	0.48
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	10	0.48
(1,2365)	1:A:53:VAL:HB	1:A:50:ASP:HB2	8	0.48
(1,2365)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	8	0.48
(1,2365)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	8	0.48
(1,1696)	1:B:83:LYS:HE2	1:A:71:PHE:HB2	14	0.48
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	14	0.48
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	14	0.48
(1,1696)	1:B:83:LYS:HE3	1:A:71:PHE:HB2	14	0.48
(1,1696)	1:B:83:LYS:HE2	1:A:71:PHE:HB2	17	0.48
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	17	0.48
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	17	0.48
(1,1696)	1:B:83:LYS:HE3	1:A:71:PHE:HB2	17	0.48
(1,1695)	1:A:83:LYS:HE2	1:B:71:PHE:HB2	8	0.48
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	8	0.48
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	8	0.48
(1,1695)	1:A:83:LYS:HE3	1:B:71:PHE:HB2	8	0.48
(1,1695)	1:A:83:LYS:HE2	1:B:71:PHE:HB2	14	0.48
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	14	0.48
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	14	0.48
(1,1695)	1:A:83:LYS:HE3	1:B:71:PHE:HB2	14	0.48
(1,1695)	1:A:83:LYS:HE2	1:B:71:PHE:HB2	17	0.48
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	17	0.48
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	17	0.48
(1,1695)	1:A:83:LYS:HE3	1:B:71:PHE:HB2	17	0.48
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	5	0.48
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	1	0.48
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	6	0.47
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	6	0.47
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	2	0.47
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	2	0.47
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	2	0.47
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	19	0.47
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	19	0.47
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	19	0.47
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	2	0.47
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	2	0.47
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	2	0.47
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	20	0.47
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	20	0.47
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	15	0.47
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	15	0.47
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	15	0.47
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	15	0.47
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	15	0.47
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	3	0.47
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	3	0.47
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	3	0.47
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	3	0.47
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	3	0.47
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	3	0.47
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	7	0.47
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	7	0.47
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	7	0.47
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	7	0.47
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	7	0.47
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	7	0.47
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	15	0.47
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	15	0.47
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	15	0.47
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	15	0.47
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	15	0.47
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	15	0.47
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	3	0.47
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	3	0.47
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	3	0.47
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	3	0.47
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	3	0.47
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	7	0.47
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	7	0.47
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	7	0.47
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	7	0.47
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	7	0.47
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	7	0.47
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	15	0.47
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	15	0.47
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	15	0.47
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	15	0.47
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	15	0.47
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	15	0.47
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	7	0.47
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	7	0.47
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	7	0.47
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	7	0.47
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	7	0.47
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	7	0.47
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	7	0.47
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	7	0.47
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	7	0.47
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	7	0.47
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	7	0.47
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	7	0.47
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	7	0.47
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	7	0.47
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	7	0.47
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	7	0.47
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	7	0.47
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	7	0.47
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	15	0.47
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	15	0.47
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	15	0.47
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	15	0.47
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	15	0.47
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	15	0.47
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	10	0.47
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	10	0.47
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	10	0.47
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	10	0.47
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	15	0.47
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	15	0.47
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	15	0.47
(1,2414)	1:B:44:THR:HA	1:A:9:GLU:HG2	10	0.47
(1,2414)	1:B:44:THR:HA	1:A:9:GLU:HG3	10	0.47
(1,2414)	1:B:67:GLU:HG2	1:B:29:SER:HB3	10	0.47
(1,2414)	1:B:67:GLU:HG3	1:B:29:SER:HB3	10	0.47
(1,2414)	1:B:29:SER:HB3	1:B:68:GLN:HG2	10	0.47
(1,2414)	1:B:39:LYS:HB2	1:B:38:THR:HA	10	0.47
(1,2414)	1:B:38:THR:HA	1:B:40:GLU:HG2	10	0.47
(1,2414)	1:B:38:THR:HA	1:B:40:GLU:HG3	10	0.47
(1,2413)	1:A:44:THR:HA	1:B:9:GLU:HG2	10	0.47
(1,2413)	1:A:44:THR:HA	1:B:9:GLU:HG3	10	0.47
(1,2413)	1:A:67:GLU:HG2	1:A:29:SER:HB3	10	0.47
(1,2413)	1:A:67:GLU:HG3	1:A:29:SER:HB3	10	0.47
(1,2413)	1:A:29:SER:HB3	1:A:68:GLN:HG2	10	0.47
(1,2413)	1:A:39:LYS:HB2	1:A:38:THR:HA	10	0.47
(1,2413)	1:A:38:THR:HA	1:A:40:GLU:HG2	10	0.47
(1,2413)	1:A:38:THR:HA	1:A:40:GLU:HG3	10	0.47
(1,2366)	1:B:53:VAL:HB	1:B:50:ASP:HB2	8	0.47
(1,2366)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	8	0.47
(1,2366)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	8	0.47
(1,1696)	1:B:83:LYS:HE2	1:A:71:PHE:HB2	8	0.47
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	8	0.47
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	8	0.47
(1,1696)	1:B:83:LYS:HE3	1:A:71:PHE:HB2	8	0.47
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	17	0.47
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	17	0.47
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	3	0.47
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	3	0.47
(2,72)	1:B:32:GLU:HB2	1:B:36:LEU:HB2	20	0.46
(2,71)	1:A:32:GLU:HB2	1:A:36:LEU:HB2	20	0.46
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	2	0.46
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	10	0.46
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	10	0.46
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	10	0.46
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	19	0.46
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	19	0.46
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	19	0.46
(1,778)	1:B:61:LEU:HD22	1:B:76:SER:HB3	10	0.46
(1,778)	1:B:61:LEU:HD21	1:B:76:SER:HB3	10	0.46
(1,778)	1:B:61:LEU:HD23	1:B:76:SER:HB3	10	0.46
(1,777)	1:A:61:LEU:HD22	1:A:76:SER:HB3	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:A:61:LEU:HD21	1:A:76:SER:HB3	10	0.46
(1,777)	1:A:61:LEU:HD23	1:A:76:SER:HB3	10	0.46
(1,618)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	6	0.46
(1,618)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	6	0.46
(1,618)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	6	0.46
(1,617)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	6	0.46
(1,617)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	6	0.46
(1,617)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	6	0.46
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	5	0.46
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	5	0.46
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	13	0.46
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	14	0.46
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	14	0.46
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	14	0.46
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	14	0.46
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	14	0.46
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	15	0.46
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	15	0.46
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	15	0.46
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	15	0.46
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	15	0.46
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	14	0.46
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	14	0.46
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	14	0.46
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	14	0.46
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	14	0.46
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	6	0.46
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	6	0.46
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	6	0.46
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	6	0.46
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	6	0.46
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	6	0.46
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	6	0.46
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	6	0.46
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	6	0.46
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	6	0.46
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	6	0.46
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	6	0.46
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	6	0.46
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	6	0.46
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	6	0.46
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	6	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	6	0.46
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	6	0.46
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	19	0.46
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	19	0.46
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	19	0.46
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	19	0.46
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	1	0.46
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	1	0.46
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	1	0.46
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	1	0.46
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	1	0.46
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	1	0.46
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	1	0.46
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	1	0.46
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	1	0.46
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	1	0.46
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	1	0.46
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	1	0.46
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	1	0.46
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	1	0.46
(1,2510)	1:B:83:LYS:HE2	1:A:72:GLN:HB3	10	0.46
(1,2510)	1:B:83:LYS:HE3	1:A:72:GLN:HB3	10	0.46
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	4	0.46
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	4	0.46
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	4	0.46
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	4	0.46
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	18	0.46
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	18	0.46
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	18	0.46
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	18	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	4	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	4	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	4	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	4	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	18	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	18	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	18	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	18	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	20	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	20	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	20	0.46
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	20	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	2	0.45
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	3	0.45
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	16	0.45
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	3	0.45
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	4	0.45
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	16	0.45
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	10	0.45
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	10	0.45
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	10	0.45
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	5	0.45
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	5	0.45
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	5	0.45
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	17	0.45
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	17	0.45
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	17	0.45
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	17	0.45
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	17	0.45
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	17	0.45
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	17	0.45
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	17	0.45
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	17	0.45
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	17	0.45
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	17	0.45
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	17	0.45
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	6	0.45
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	6	0.45
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	6	0.45
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	6	0.45
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	10	0.45
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	10	0.45
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	10	0.45
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	10	0.45
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	10	0.45
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	10	0.45
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	10	0.45
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	10	0.45
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	10	0.45
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	20	0.45
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	20	0.45
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	20	0.45
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	20	0.45
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	14	0.45
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	14	0.45
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	14	0.45
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	4	0.45
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	6	0.45
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	7	0.45
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	11	0.45
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	4	0.45
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	6	0.45
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	7	0.45
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	11	0.45
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	4	0.44
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	10	0.44
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	10	0.44
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	13	0.44
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	5	0.44
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	5	0.44
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	5	0.44
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	12	0.44
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	12	0.44
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	12	0.44
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	12	0.44
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	12	0.44
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	12	0.44
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD22	12	0.44
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD21	12	0.44
(1,3019)	1:A:66:ASP:HB3	1:A:33:LEU:HD23	12	0.44
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG12	12	0.44
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG11	12	0.44
(1,3019)	1:A:8:LEU:HB2	1:A:12:VAL:HG13	12	0.44
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	6	0.44
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	6	0.44
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	6	0.44
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	6	0.44
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	5	0.44
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	5	0.44
(1,2562)	1:B:91:LYS:HE2	1:B:80:ILE:HB	5	0.44
(1,2562)	1:B:91:LYS:HE3	1:B:80:ILE:HB	5	0.44
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	5	0.44
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	5	0.44
(1,2562)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	5	0.44
(1,2562)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	5	0.44
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	5	0.44
(1,2561)	1:A:91:LYS:HE2	1:A:80:ILE:HB	5	0.44
(1,2561)	1:A:91:LYS:HE3	1:A:80:ILE:HB	5	0.44
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	5	0.44
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	5	0.44
(1,2561)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	5	0.44
(1,2561)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	5	0.44
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	14	0.44
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	14	0.44
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	5	0.44
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	5	0.44
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	5	0.44
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	5	0.44
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	5	0.44
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	5	0.44
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	8	0.44
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	9	0.44
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	10	0.44
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	13	0.44
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	14	0.44
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	18	0.44
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	8	0.44
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	9	0.44
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	10	0.44
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	13	0.44
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	14	0.44
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	18	0.44
(2,56)	1:B:70:ASP:HB3	1:B:74:PHE:HB2	12	0.43
(2,55)	1:A:70:ASP:HB3	1:A:74:PHE:HB2	12	0.43
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	15	0.43
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	15	0.43
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	15	0.43
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	15	0.43
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	15	0.43
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	15	0.43
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	18	0.43
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	18	0.43
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD22	12	0.43
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD21	12	0.43
(1,3020)	1:B:66:ASP:HB3	1:B:33:LEU:HD23	12	0.43
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG12	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG11	12	0.43
(1,3020)	1:B:8:LEU:HB2	1:B:12:VAL:HG13	12	0.43
(1,2842)	1:B:55:ASP:HB2	1:B:51:LYS:HG2	3	0.43
(1,2842)	1:B:55:ASP:HB2	1:B:51:LYS:HG3	3	0.43
(1,2842)	1:B:52:ALA:HB2	1:B:55:ASP:HB2	3	0.43
(1,2842)	1:B:52:ALA:HB1	1:B:55:ASP:HB2	3	0.43
(1,2842)	1:B:52:ALA:HB3	1:B:55:ASP:HB2	3	0.43
(1,2841)	1:A:55:ASP:HB2	1:A:51:LYS:HG2	3	0.43
(1,2841)	1:A:55:ASP:HB2	1:A:51:LYS:HG3	3	0.43
(1,2841)	1:A:52:ALA:HB2	1:A:55:ASP:HB2	3	0.43
(1,2841)	1:A:52:ALA:HB1	1:A:55:ASP:HB2	3	0.43
(1,2841)	1:A:52:ALA:HB3	1:A:55:ASP:HB2	3	0.43
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	10	0.43
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	10	0.43
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	10	0.43
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	10	0.43
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	10	0.43
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	10	0.43
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	10	0.43
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	10	0.43
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	10	0.43
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	10	0.43
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	10	0.43
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	10	0.43
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	10	0.43
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	10	0.43
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	10	0.43
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	10	0.43
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	10	0.43
(1,2612)	1:B:51:LYS:HB2	1:B:50:ASP:HB2	5	0.43
(1,2612)	1:B:51:LYS:HB3	1:B:50:ASP:HB2	5	0.43
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	5	0.43
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	5	0.43
(1,2612)	1:B:91:LYS:HE2	1:B:80:ILE:HB	5	0.43
(1,2612)	1:B:91:LYS:HE3	1:B:80:ILE:HB	5	0.43
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	5	0.43
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	5	0.43
(1,2612)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	5	0.43
(1,2612)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	5	0.43
(1,2611)	1:A:51:LYS:HB2	1:A:50:ASP:HB2	5	0.43
(1,2611)	1:A:51:LYS:HB3	1:A:50:ASP:HB2	5	0.43
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	5	0.43
(1,2611)	1:A:91:LYS:HE2	1:A:80:ILE:HB	5	0.43
(1,2611)	1:A:91:LYS:HE3	1:A:80:ILE:HB	5	0.43
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	5	0.43
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	5	0.43
(1,2611)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	5	0.43
(1,2611)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	5	0.43
(1,2330)	1:B:39:LYS:HE3	1:B:35:GLN:HB2	15	0.43
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	15	0.43
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	15	0.43
(1,1854)	1:B:53:VAL:H	1:B:55:ASP:HB2	8	0.43
(1,1854)	1:B:54:ILE:H	1:B:55:ASP:HB2	8	0.43
(1,1854)	1:B:53:VAL:H	1:B:55:ASP:HB2	16	0.43
(1,1854)	1:B:54:ILE:H	1:B:55:ASP:HB2	16	0.43
(1,1853)	1:A:53:VAL:H	1:A:55:ASP:HB2	8	0.43
(1,1853)	1:A:54:ILE:H	1:A:55:ASP:HB2	8	0.43
(1,1853)	1:A:53:VAL:H	1:A:55:ASP:HB2	16	0.43
(1,1853)	1:A:54:ILE:H	1:A:55:ASP:HB2	16	0.43
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	1	0.43
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	1	0.43
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	1	0.43
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	1	0.43
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	1	0.43
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	1	0.43
(1,1540)	1:B:84:ALA:H	1:B:91:LYS:HD3	2	0.43
(1,1539)	1:A:84:ALA:H	1:A:91:LYS:HD3	2	0.43
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	2	0.43
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	2	0.43
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	10	0.42
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	10	0.42
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	10	0.42
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	1	0.42
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	1	0.42
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	1	0.42
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	10	0.42
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	10	0.42
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	10	0.42
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	11	0.42
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	11	0.42
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	11	0.42
(1,2842)	1:B:55:ASP:HB2	1:B:51:LYS:HG2	10	0.42
(1,2842)	1:B:55:ASP:HB2	1:B:51:LYS:HG3	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2842)	1:B:52:ALA:HB2	1:B:55:ASP:HB2	10	0.42
(1,2842)	1:B:52:ALA:HB1	1:B:55:ASP:HB2	10	0.42
(1,2842)	1:B:52:ALA:HB3	1:B:55:ASP:HB2	10	0.42
(1,2841)	1:A:55:ASP:HB2	1:A:51:LYS:HG2	10	0.42
(1,2841)	1:A:55:ASP:HB2	1:A:51:LYS:HG3	10	0.42
(1,2841)	1:A:52:ALA:HB2	1:A:55:ASP:HB2	10	0.42
(1,2841)	1:A:52:ALA:HB1	1:A:55:ASP:HB2	10	0.42
(1,2841)	1:A:52:ALA:HB3	1:A:55:ASP:HB2	10	0.42
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	8	0.42
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	8	0.42
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	8	0.42
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	8	0.42
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	8	0.42
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	8	0.42
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	8	0.42
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	11	0.42
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	11	0.42
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	11	0.42
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	11	0.42
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	11	0.42
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	11	0.42
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	11	0.42
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	8	0.42
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	8	0.42
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	8	0.42
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	8	0.42
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	8	0.42
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	8	0.42
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	8	0.42
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	11	0.42
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	11	0.42
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	11	0.42
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	11	0.42
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	11	0.42
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	11	0.42
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	11	0.42
(1,2352)	1:B:36:LEU:HB2	1:B:40:GLU:HB2	7	0.42
(1,2352)	1:B:36:LEU:HB3	1:B:40:GLU:HB2	7	0.42
(1,2351)	1:A:36:LEU:HB2	1:A:40:GLU:HB2	7	0.42
(1,2351)	1:A:36:LEU:HB3	1:A:40:GLU:HB2	7	0.42
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE2	1	0.42
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE3	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2338)	1:B:58:PHE:HB2	1:B:59:GLN:HG3	1	0.42
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE2	1	0.42
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE3	1	0.42
(1,2337)	1:A:58:PHE:HB2	1:A:59:GLN:HG3	1	0.42
(1,2329)	1:A:39:LYS:HE3	1:A:35:GLN:HB2	15	0.42
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	15	0.42
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	15	0.42
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	4	0.42
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	4	0.42
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	4	0.42
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	4	0.42
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	4	0.42
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	4	0.42
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	13	0.42
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	13	0.42
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	16	0.42
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	19	0.42
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	16	0.42
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	19	0.42
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	1	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	1	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	1	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	2	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	2	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	2	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	3	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	3	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	3	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	5	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	5	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	5	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	6	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	6	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	6	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	7	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	7	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	7	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	8	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	8	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	8	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	9	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	9	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	11	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	11	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	11	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	12	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	12	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	12	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	13	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	13	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	13	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	14	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	14	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	14	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	15	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	15	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	15	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	16	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	16	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	16	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	17	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	17	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	17	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	18	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	18	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	18	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	19	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	19	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	19	0.41
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	20	0.41
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	20	0.41
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	20	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	2	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	2	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	2	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	3	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	3	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	3	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	5	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	5	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	5	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	6	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	6	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	7	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	7	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	7	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	8	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	8	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	8	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	9	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	9	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	9	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	12	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	12	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	12	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	13	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	13	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	13	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	14	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	14	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	14	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	15	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	15	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	15	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	16	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	16	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	16	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	17	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	17	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	17	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	18	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	18	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	18	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	19	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	19	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	19	0.41
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	20	0.41
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	20	0.41
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	20	0.41
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	8	0.41
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	8	0.41
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	9	0.41
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	9	0.41
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	9	0.41
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	9	0.41
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	9	0.41
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	9	0.41
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	9	0.41
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	9	0.41
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	9	0.41
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	9	0.41
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	9	0.41
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	9	0.41
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	9	0.41
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	8	0.41
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	8	0.41
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	8	0.41
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	8	0.41
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	8	0.41
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	8	0.41
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	8	0.41
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	8	0.41
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	8	0.41
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	8	0.41
(1,1854)	1:B:53:VAL:H	1:B:55:ASP:HB2	11	0.41
(1,1854)	1:B:54:ILE:H	1:B:55:ASP:HB2	11	0.41
(1,1853)	1:A:53:VAL:H	1:A:55:ASP:HB2	11	0.41
(1,1853)	1:A:54:ILE:H	1:A:55:ASP:HB2	11	0.41
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	12	0.41
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	15	0.41
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	12	0.41
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	15	0.41
(2,58)	1:B:32:GLU:HB2	1:B:35:GLN:HB2	5	0.4
(2,58)	1:B:32:GLU:HB2	1:B:35:GLN:HB2	8	0.4
(2,57)	1:A:32:GLU:HB2	1:A:35:GLN:HB2	5	0.4
(2,57)	1:A:32:GLU:HB2	1:A:35:GLN:HB2	8	0.4
(1,666)	1:B:37:LEU:HD22	1:B:37:LEU:HB2	4	0.4
(1,666)	1:B:37:LEU:HD21	1:B:37:LEU:HB2	4	0.4
(1,666)	1:B:37:LEU:HD23	1:B:37:LEU:HB2	4	0.4
(1,665)	1:A:37:LEU:HD22	1:A:37:LEU:HB2	4	0.4
(1,665)	1:A:37:LEU:HD21	1:A:37:LEU:HB2	4	0.4
(1,665)	1:A:37:LEU:HD23	1:A:37:LEU:HB2	4	0.4
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	9	0.4
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	9	0.4
(1,390)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	3	0.4
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	3	0.4
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	3	0.4
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	3	0.4
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	3	0.4
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	3	0.4
(1,3104)	1:B:30:LYS:HG2	1:B:30:LYS:HD3	14	0.4
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG22	14	0.4
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG21	14	0.4
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG23	14	0.4
(1,3103)	1:A:30:LYS:HG2	1:A:30:LYS:HD3	14	0.4
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG22	14	0.4
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG21	14	0.4
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG23	14	0.4
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	8	0.4
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	8	0.4
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	5	0.4
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	5	0.4
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	5	0.4
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	5	0.4
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	5	0.4
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	5	0.4
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	6	0.4
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	6	0.4
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	6	0.4
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	6	0.4
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	6	0.4
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	6	0.4
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	5	0.4
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	5	0.4
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	5	0.4
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	5	0.4
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	5	0.4
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	5	0.4
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	6	0.4
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	6	0.4
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	6	0.4
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	6	0.4
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	6	0.4
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	6	0.4
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	8	0.4
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2270)	1:B:83:LYS:HA	1:B:83:LYS:HE2	6	0.4
(1,2270)	1:B:86:HIS:HB2	1:B:83:LYS:HA	6	0.4
(1,2269)	1:A:83:LYS:HA	1:A:83:LYS:HE2	6	0.4
(1,2269)	1:A:86:HIS:HB2	1:A:83:LYS:HA	6	0.4
(1,2170)	1:B:59:GLN:HA	1:B:58:PHE:HB2	2	0.4
(1,2170)	1:B:86:HIS:HA	1:B:88:HIS:HB3	2	0.4
(1,2169)	1:A:59:GLN:HA	1:A:58:PHE:HB2	2	0.4
(1,2169)	1:A:86:HIS:HA	1:A:88:HIS:HB3	2	0.4
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	8	0.4
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	8	0.4
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	8	0.4
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	9	0.4
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	9	0.4
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	9	0.4
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	8	0.4
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	8	0.4
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	8	0.4
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	9	0.4
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	9	0.4
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	9	0.4
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	12	0.4
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	15	0.4
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	15	0.4
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	17	0.4
(1,1480)	1:B:8:LEU:H	1:B:8:LEU:HB3	20	0.4
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	17	0.4
(1,1479)	1:A:8:LEU:H	1:A:8:LEU:HB3	20	0.4
(2,138)	1:B:75:ILE:H	1:B:61:LEU:HB2	8	0.39
(2,137)	1:A:75:ILE:H	1:A:61:LEU:HB2	8	0.39
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	20	0.39
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	20	0.39
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	20	0.39
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	9	0.39
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	9	0.39
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	18	0.39
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	18	0.39
(1,389)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	2	0.39
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	8	0.39
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	8	0.39
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	16	0.39
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	16	0.39
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	16	0.39
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	16	0.39
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	16	0.39
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	16	0.39
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	16	0.39
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	16	0.39
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	16	0.39
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	16	0.39
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	16	0.39
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	13	0.39
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	13	0.39
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	13	0.39
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	13	0.39
(1,2270)	1:B:83:LYS:HA	1:B:83:LYS:HE2	18	0.39
(1,2270)	1:B:86:HIS:HB2	1:B:83:LYS:HA	18	0.39
(1,2269)	1:A:83:LYS:HA	1:A:83:LYS:HE2	18	0.39
(1,2269)	1:A:86:HIS:HB2	1:A:83:LYS:HA	18	0.39
(1,2170)	1:B:59:GLN:HA	1:B:58:PHE:HB2	9	0.39
(1,2170)	1:B:86:HIS:HA	1:B:88:HIS:HB3	9	0.39
(1,2169)	1:A:59:GLN:HA	1:A:58:PHE:HB2	9	0.39
(1,2169)	1:A:86:HIS:HA	1:A:88:HIS:HB3	9	0.39
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	20	0.39
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	20	0.39
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	20	0.39
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	20	0.39
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	20	0.39
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	20	0.39
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	1	0.39
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	1	0.39
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	12	0.39
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	19	0.39
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	19	0.39
(1,822)	1:B:79:ALA:HB2	1:A:75:ILE:HG13	17	0.38
(1,822)	1:B:79:ALA:HB1	1:A:75:ILE:HG13	17	0.38
(1,822)	1:B:79:ALA:HB3	1:A:75:ILE:HG13	17	0.38
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	17	0.38
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	17	0.38
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	17	0.38
(1,821)	1:A:79:ALA:HB2	1:B:75:ILE:HG13	20	0.38
(1,821)	1:A:79:ALA:HB1	1:B:75:ILE:HG13	20	0.38
(1,821)	1:A:79:ALA:HB3	1:B:75:ILE:HG13	20	0.38
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	18	0.38
(1,396)	1:B:50:ASP:HB3	1:B:47:ASN:HB2	16	0.38
(1,395)	1:A:50:ASP:HB3	1:A:47:ASN:HB2	16	0.38
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	19	0.38
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	19	0.38
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	19	0.38
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	20	0.38
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	20	0.38
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	20	0.38
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	19	0.38
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	19	0.38
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	19	0.38
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	20	0.38
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	20	0.38
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	20	0.38
(1,3592)	1:B:80:ILE:H	1:B:91:LYS:HD3	18	0.38
(1,3592)	1:B:80:ILE:H	1:A:75:ILE:HB	18	0.38
(1,3591)	1:A:80:ILE:H	1:A:91:LYS:HD3	18	0.38
(1,3591)	1:A:80:ILE:H	1:B:75:ILE:HB	18	0.38
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	18	0.38
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	18	0.38
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	18	0.38
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	18	0.38
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	18	0.38
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	18	0.38
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	18	0.38
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	18	0.38
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	18	0.38
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	18	0.38
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	18	0.38
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	18	0.38
(1,2342)	1:B:30:LYS:HB2	1:B:30:LYS:HE2	15	0.38
(1,2342)	1:B:30:LYS:HB3	1:B:30:LYS:HE2	15	0.38
(1,2341)	1:A:30:LYS:HB2	1:A:30:LYS:HE2	15	0.38
(1,2341)	1:A:30:LYS:HB3	1:A:30:LYS:HE2	15	0.38
(1,2170)	1:B:59:GLN:HA	1:B:58:PHE:HB2	12	0.38
(1,2170)	1:B:86:HIS:HA	1:B:88:HIS:HB3	12	0.38
(1,2169)	1:A:59:GLN:HA	1:A:58:PHE:HB2	12	0.38
(1,2169)	1:A:86:HIS:HA	1:A:88:HIS:HB3	12	0.38
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	5	0.38
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	19	0.38
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	19	0.38
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	2	0.37
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	2	0.37
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	2	0.37
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	2	0.37
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	2	0.37
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	2	0.37
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	12	0.37
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	12	0.37
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	12	0.37
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	12	0.37
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	12	0.37
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	12	0.37
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	12	0.37
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	12	0.37
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	12	0.37
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	12	0.37
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	12	0.37
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	12	0.37
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	16	0.37
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	16	0.37
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	16	0.37
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	16	0.37
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	16	0.37
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	16	0.37
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	16	0.37
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	16	0.37
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	7	0.37
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	7	0.37
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	7	0.37
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	7	0.37
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB2	8	0.37
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB3	8	0.37
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB2	8	0.37
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB3	8	0.37
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB2	8	0.37
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB3	8	0.37
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB2	8	0.37
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB3	8	0.37
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE2	2	0.37
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE3	2	0.37
(1,2338)	1:B:58:PHE:HB2	1:B:59:GLN:HG3	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE2	2	0.37
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE3	2	0.37
(1,2337)	1:A:58:PHE:HB2	1:A:59:GLN:HG3	2	0.37
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	1	0.37
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	1	0.37
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	1	0.37
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	1	0.37
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	1	0.37
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	1	0.37
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	1	0.37
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	1	0.37
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	1	0.37
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	1	0.37
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	1	0.37
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	1	0.37
(1,2210)	1:B:61:LEU:HB2	1:B:74:PHE:HB2	16	0.37
(1,2210)	1:B:61:LEU:HB2	1:B:74:PHE:HB3	16	0.37
(1,2209)	1:A:61:LEU:HB2	1:A:74:PHE:HB2	16	0.37
(1,2209)	1:A:61:LEU:HB2	1:A:74:PHE:HB3	16	0.37
(1,2170)	1:B:59:GLN:HA	1:B:58:PHE:HB2	1	0.37
(1,2170)	1:B:86:HIS:HA	1:B:88:HIS:HB3	1	0.37
(1,2169)	1:A:59:GLN:HA	1:A:58:PHE:HB2	1	0.37
(1,2169)	1:A:86:HIS:HA	1:A:88:HIS:HB3	1	0.37
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	18	0.37
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	18	0.37
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	18	0.37
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	18	0.37
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	18	0.37
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	18	0.37
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	7	0.37
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	9	0.37
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	14	0.37
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	18	0.37
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	7	0.37
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	9	0.37
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	14	0.37
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	18	0.37
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	1	0.36
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	2	0.36
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	5	0.36
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	15	0.36
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	19	0.36
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	1	0.36
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	5	0.36
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	15	0.36
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	16	0.36
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	17	0.36
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	19	0.36
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	1	0.36
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	1	0.36
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	1	0.36
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	13	0.36
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	13	0.36
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	13	0.36
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	16	0.36
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	16	0.36
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	16	0.36
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	1	0.36
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	1	0.36
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	1	0.36
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	13	0.36
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	13	0.36
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	13	0.36
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	16	0.36
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	16	0.36
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	16	0.36
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	6	0.36
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	6	0.36
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	6	0.36
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	6	0.36
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	12	0.36
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	12	0.36
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	12	0.36
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	12	0.36
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	12	0.36
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	12	0.36
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	12	0.36
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	12	0.36
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	12	0.36
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	12	0.36
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	12	0.36
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	12	0.36
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	11	0.36
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	11	0.36
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	11	0.36
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB2	11	0.36
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB3	11	0.36
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB2	11	0.36
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB3	11	0.36
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB2	11	0.36
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB3	11	0.36
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB2	11	0.36
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB3	11	0.36
(1,2342)	1:B:30:LYS:HB2	1:B:30:LYS:HE2	14	0.36
(1,2342)	1:B:30:LYS:HB3	1:B:30:LYS:HE2	14	0.36
(1,2341)	1:A:30:LYS:HB2	1:A:30:LYS:HE2	14	0.36
(1,2341)	1:A:30:LYS:HB3	1:A:30:LYS:HE2	14	0.36
(1,2270)	1:B:83:LYS:HA	1:B:83:LYS:HE2	11	0.36
(1,2270)	1:B:86:HIS:HB2	1:B:83:LYS:HA	11	0.36
(1,2270)	1:B:83:LYS:HA	1:B:83:LYS:HE2	16	0.36
(1,2270)	1:B:86:HIS:HB2	1:B:83:LYS:HA	16	0.36
(1,2269)	1:A:83:LYS:HA	1:A:83:LYS:HE2	11	0.36
(1,2269)	1:A:86:HIS:HB2	1:A:83:LYS:HA	11	0.36
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	3	0.36
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	20	0.36
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	20	0.36
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	7	0.35
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	17	0.35
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	18	0.35
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	20	0.35
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	2	0.35
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	7	0.35
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	18	0.35
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	20	0.35
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	14	0.35
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	14	0.35
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	14	0.35
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	14	0.35
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	14	0.35
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	14	0.35
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	10	0.35
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	10	0.35
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	10	0.35
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	10	0.35
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	10	0.35
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	10	0.35
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	10	0.35
(1,3104)	1:B:30:LYS:HG2	1:B:30:LYS:HD3	1	0.35
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG22	1	0.35
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG21	1	0.35
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG23	1	0.35
(1,3103)	1:A:30:LYS:HG2	1:A:30:LYS:HD3	1	0.35
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG22	1	0.35
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG21	1	0.35
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG23	1	0.35
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	11	0.35
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	11	0.35
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	11	0.35
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	11	0.35
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	11	0.35
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	11	0.35
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	11	0.35
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	11	0.35
(1,2916)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	17	0.35
(1,2916)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	17	0.35
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD12	17	0.35
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD11	17	0.35
(1,2916)	1:B:33:LEU:HB2	1:B:54:ILE:HD13	17	0.35
(1,2915)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	17	0.35
(1,2915)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	17	0.35
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD12	17	0.35
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD11	17	0.35
(1,2915)	1:A:33:LEU:HB2	1:A:54:ILE:HD13	17	0.35
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	11	0.35
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	11	0.35
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	11	0.35
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	11	0.35
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	11	0.35
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	11	0.35
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB2	18	0.35
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB3	18	0.35
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB2	18	0.35
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB3	18	0.35
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	20	0.35
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	20	0.35
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	20	0.35
(1,2269)	1:A:83:LYS:HA	1:A:83:LYS:HE2	16	0.35
(1,2269)	1:A:86:HIS:HB2	1:A:83:LYS:HA	16	0.35
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	6	0.35
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	3	0.35
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	6	0.35
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	17	0.35
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	12	0.34
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	14	0.34
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	12	0.34
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	14	0.34
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	13	0.34
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	13	0.34
(1,419)	1:A:53:VAL:HB	1:A:50:ASP:HB2	8	0.34
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	18	0.34
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	18	0.34
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	18	0.34
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	18	0.34
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	18	0.34
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	18	0.34
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	4	0.34
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	4	0.34
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	4	0.34
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	8	0.34
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	8	0.34
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	8	0.34
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	4	0.34
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	4	0.34
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	4	0.34
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	8	0.34
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	8	0.34
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	8	0.34
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	9	0.34
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	9	0.34
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	9	0.34
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	9	0.34
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	9	0.34
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	9	0.34
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	9	0.34
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	9	0.34
(1,2842)	1:B:55:ASP:HB2	1:B:51:LYS:HG2	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2842)	1:B:55:ASP:HB2	1:B:51:LYS:HG3	8	0.34
(1,2842)	1:B:52:ALA:HB2	1:B:55:ASP:HB2	8	0.34
(1,2842)	1:B:52:ALA:HB1	1:B:55:ASP:HB2	8	0.34
(1,2842)	1:B:52:ALA:HB3	1:B:55:ASP:HB2	8	0.34
(1,2842)	1:B:55:ASP:HB2	1:B:51:LYS:HG2	11	0.34
(1,2842)	1:B:55:ASP:HB2	1:B:51:LYS:HG3	11	0.34
(1,2842)	1:B:52:ALA:HB2	1:B:55:ASP:HB2	11	0.34
(1,2842)	1:B:52:ALA:HB1	1:B:55:ASP:HB2	11	0.34
(1,2842)	1:B:52:ALA:HB3	1:B:55:ASP:HB2	11	0.34
(1,2841)	1:A:55:ASP:HB2	1:A:51:LYS:HG2	8	0.34
(1,2841)	1:A:55:ASP:HB2	1:A:51:LYS:HG3	8	0.34
(1,2841)	1:A:52:ALA:HB2	1:A:55:ASP:HB2	8	0.34
(1,2841)	1:A:52:ALA:HB1	1:A:55:ASP:HB2	8	0.34
(1,2841)	1:A:52:ALA:HB3	1:A:55:ASP:HB2	8	0.34
(1,2841)	1:A:55:ASP:HB2	1:A:51:LYS:HG2	11	0.34
(1,2841)	1:A:55:ASP:HB2	1:A:51:LYS:HG3	11	0.34
(1,2841)	1:A:52:ALA:HB2	1:A:55:ASP:HB2	11	0.34
(1,2841)	1:A:52:ALA:HB1	1:A:55:ASP:HB2	11	0.34
(1,2841)	1:A:52:ALA:HB3	1:A:55:ASP:HB2	11	0.34
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	11	0.34
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	11	0.34
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	11	0.34
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	11	0.34
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	11	0.34
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	11	0.34
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB2	18	0.34
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB3	18	0.34
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB2	18	0.34
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB3	18	0.34
(1,2330)	1:B:39:LYS:HE3	1:B:35:GLN:HB2	11	0.34
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	11	0.34
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	11	0.34
(1,2329)	1:A:39:LYS:HE3	1:A:35:GLN:HB2	11	0.34
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	11	0.34
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	11	0.34
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA2	15	0.34
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA3	15	0.34
(1,2072)	1:B:74:PHE:HA	1:B:76:SER:HB3	15	0.34
(1,2072)	1:B:74:PHE:HA	1:A:79:ALA:HA	15	0.34
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	10	0.34
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	10	0.34
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	10	0.34
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	10	0.34
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	10	0.34
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	15	0.34
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	20	0.34
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	17	0.34
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	5	0.34
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	11	0.34
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	5	0.34
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	11	0.34
(2,56)	1:B:70:ASP:HB3	1:B:74:PHE:HB2	9	0.33
(2,55)	1:A:70:ASP:HB3	1:A:74:PHE:HB2	9	0.33
(2,10)	1:B:80:ILE:H	1:B:91:LYS:HD3	12	0.33
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	4	0.33
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	6	0.33
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	11	0.33
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	13	0.33
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	4	0.33
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	6	0.33
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	11	0.33
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	13	0.33
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	14	0.33
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	14	0.33
(1,420)	1:B:53:VAL:HB	1:B:50:ASP:HB2	8	0.33
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	9	0.33
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	9	0.33
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	9	0.33
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	9	0.33
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	9	0.33
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	9	0.33
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	3	0.33
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	3	0.33
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	9	0.33
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	9	0.33
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	3	0.33
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	3	0.33
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	9	0.33
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	9	0.33
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	2	0.33
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	2	0.33
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	2	0.33
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	2	0.33
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	2	0.33
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	2	0.33
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	2	0.33
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	2	0.33
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	2	0.33
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	2	0.33
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	2	0.33
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	12	0.33
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	12	0.33
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	12	0.33
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	12	0.33
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	12	0.33
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	12	0.33
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	12	0.33
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	12	0.33
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	12	0.33
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	12	0.33
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	12	0.33
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	12	0.33
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	12	0.33
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	12	0.33
(1,2270)	1:B:83:LYS:HA	1:B:83:LYS:HE2	20	0.33
(1,2270)	1:B:86:HIS:HB2	1:B:83:LYS:HA	20	0.33
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA2	12	0.33
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA3	12	0.33
(1,2072)	1:B:74:PHE:HA	1:B:76:SER:HB3	12	0.33
(1,2072)	1:B:74:PHE:HA	1:A:79:ALA:HA	12	0.33
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA2	12	0.33
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA3	12	0.33
(1,2071)	1:A:74:PHE:HA	1:A:76:SER:HB3	12	0.33
(1,2071)	1:A:74:PHE:HA	1:B:79:ALA:HA	12	0.33
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA2	15	0.33
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA3	15	0.33
(1,2071)	1:A:74:PHE:HA	1:A:76:SER:HB3	15	0.33
(1,2071)	1:A:74:PHE:HA	1:B:79:ALA:HA	15	0.33
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	15	0.33
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	15	0.33
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	15	0.33
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	15	0.33
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	15	0.33
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	2	0.33
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	11	0.33
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	15	0.33
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	16	0.33
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	20	0.33
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	2	0.33
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	11	0.33
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	13	0.33
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	16	0.33
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	18	0.33
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	18	0.33
(2,9)	1:A:80:ILE:H	1:A:91:LYS:HD3	12	0.32
(2,56)	1:B:70:ASP:HB3	1:B:74:PHE:HB2	11	0.32
(2,55)	1:A:70:ASP:HB3	1:A:74:PHE:HB2	11	0.32
(2,55)	1:A:70:ASP:HB3	1:A:74:PHE:HB2	19	0.32
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	3	0.32
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	10	0.32
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	3	0.32
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	10	0.32
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	3	0.32
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	3	0.32
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	14	0.32
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	14	0.32
(1,296)	1:B:83:LYS:HB3	1:B:80:ILE:HA	11	0.32
(1,295)	1:A:83:LYS:HB3	1:A:80:ILE:HA	11	0.32
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	14	0.32
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	14	0.32
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	14	0.32
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	14	0.32
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	14	0.32
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	14	0.32
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	14	0.32
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	14	0.32
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	10	0.32
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	10	0.32
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	10	0.32
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	10	0.32
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	10	0.32
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	10	0.32
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	10	0.32
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	10	0.32
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	10	0.32
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	10	0.32
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	10	0.32
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	1	0.32
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	1	0.32
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	1	0.32
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	1	0.32
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	1	0.32
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	1	0.32
(1,2366)	1:B:53:VAL:HB	1:B:50:ASP:HB2	18	0.32
(1,2366)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	18	0.32
(1,2366)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	18	0.32
(1,2365)	1:A:53:VAL:HB	1:A:50:ASP:HB2	11	0.32
(1,2365)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	11	0.32
(1,2365)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	11	0.32
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE2	12	0.32
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE3	12	0.32
(1,2338)	1:B:58:PHE:HB2	1:B:59:GLN:HG3	12	0.32
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE2	12	0.32
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE3	12	0.32
(1,2337)	1:A:58:PHE:HB2	1:A:59:GLN:HG3	12	0.32
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	2	0.32
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	2	0.32
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	2	0.32
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	2	0.32
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	2	0.32
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	2	0.32
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	16	0.32
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	16	0.32
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	16	0.32
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	16	0.32
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	16	0.32
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	16	0.32
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	2	0.32
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	2	0.32
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	2	0.32
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	2	0.32
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	2	0.32
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	2	0.32
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	8	0.32
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	8	0.32
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	8	0.32
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	8	0.32
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	8	0.32
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	16	0.32
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	16	0.32
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	16	0.32
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	16	0.32
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	16	0.32
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	16	0.32
(1,2269)	1:A:83:LYS:HA	1:A:83:LYS:HE2	20	0.32
(1,2269)	1:A:86:HIS:HB2	1:A:83:LYS:HA	20	0.32
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA2	17	0.32
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA3	17	0.32
(1,2072)	1:B:74:PHE:HA	1:B:76:SER:HB3	17	0.32
(1,2072)	1:B:74:PHE:HA	1:A:79:ALA:HA	17	0.32
(1,1988)	1:B:30:LYS:HD2	1:B:29:SER:HB3	3	0.32
(1,1988)	1:B:30:LYS:HD2	1:B:32:GLU:HA	3	0.32
(1,1988)	1:B:30:LYS:HD2	1:B:33:LEU:HA	3	0.32
(1,1988)	1:B:30:LYS:HD3	1:B:29:SER:HB3	3	0.32
(1,1988)	1:B:30:LYS:HD3	1:B:33:LEU:HA	3	0.32
(1,1988)	1:B:30:LYS:HD3	1:B:56:GLU:HA	3	0.32
(1,1987)	1:A:30:LYS:HD2	1:A:29:SER:HB3	3	0.32
(1,1987)	1:A:30:LYS:HD2	1:A:32:GLU:HA	3	0.32
(1,1987)	1:A:30:LYS:HD2	1:A:33:LEU:HA	3	0.32
(1,1987)	1:A:30:LYS:HD3	1:A:29:SER:HB3	3	0.32
(1,1987)	1:A:30:LYS:HD3	1:A:33:LEU:HA	3	0.32
(1,1987)	1:A:30:LYS:HD3	1:A:56:GLU:HA	3	0.32
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	6	0.32
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	6	0.32
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	6	0.32
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	6	0.32
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	6	0.32
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	6	0.32
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	4	0.32
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	10	0.32
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	13	0.32
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	17	0.32
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	4	0.32
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	10	0.32
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	17	0.32
(2,71)	1:A:32:GLU:HB2	1:A:36:LEU:HB2	19	0.31
(2,56)	1:B:70:ASP:HB3	1:B:74:PHE:HB2	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	9	0.31
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	9	0.31
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	3	0.31
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	3	0.31
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	13	0.31
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	13	0.31
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	6	0.31
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	6	0.31
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	6	0.31
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	6	0.31
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	6	0.31
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	6	0.31
(1,296)	1:B:83:LYS:HB3	1:B:80:ILE:HA	7	0.31
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	3	0.31
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	3	0.31
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	3	0.31
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	3	0.31
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	3	0.31
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	3	0.31
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	3	0.31
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	3	0.31
(1,2612)	1:B:51:LYS:HB2	1:B:50:ASP:HB2	11	0.31
(1,2612)	1:B:51:LYS:HB3	1:B:50:ASP:HB2	11	0.31
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	11	0.31
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	11	0.31
(1,2612)	1:B:91:LYS:HE2	1:B:80:ILE:HB	11	0.31
(1,2612)	1:B:91:LYS:HE3	1:B:80:ILE:HB	11	0.31
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	11	0.31
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	11	0.31
(1,2612)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	11	0.31
(1,2612)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	11	0.31
(1,2611)	1:A:51:LYS:HB2	1:A:50:ASP:HB2	11	0.31
(1,2611)	1:A:51:LYS:HB3	1:A:50:ASP:HB2	11	0.31
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	11	0.31
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	11	0.31
(1,2611)	1:A:91:LYS:HE2	1:A:80:ILE:HB	11	0.31
(1,2611)	1:A:91:LYS:HE3	1:A:80:ILE:HB	11	0.31
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	11	0.31
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	11	0.31
(1,2611)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	11	0.31
(1,2611)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	11	0.31
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	11	0.31
(1,2562)	1:B:91:LYS:HE2	1:B:80:ILE:HB	11	0.31
(1,2562)	1:B:91:LYS:HE3	1:B:80:ILE:HB	11	0.31
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	11	0.31
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	11	0.31
(1,2562)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	11	0.31
(1,2562)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	11	0.31
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	16	0.31
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	16	0.31
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	16	0.31
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	16	0.31
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	16	0.31
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	16	0.31
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG2	6	0.31
(1,2446)	1:B:37:LEU:HB3	1:B:35:GLN:HG3	6	0.31
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG2	6	0.31
(1,2446)	1:B:37:LEU:HB3	1:B:40:GLU:HG3	6	0.31
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG2	6	0.31
(1,2445)	1:A:37:LEU:HB3	1:A:35:GLN:HG3	6	0.31
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG2	6	0.31
(1,2445)	1:A:37:LEU:HB3	1:A:40:GLU:HG3	6	0.31
(1,2366)	1:B:53:VAL:HB	1:B:50:ASP:HB2	11	0.31
(1,2366)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	11	0.31
(1,2366)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	11	0.31
(1,2365)	1:A:53:VAL:HB	1:A:50:ASP:HB2	18	0.31
(1,2365)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	18	0.31
(1,2365)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	18	0.31
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	8	0.31
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	8	0.31
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	8	0.31
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	8	0.31
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	8	0.31
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	8	0.31
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	9	0.31
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	9	0.31
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	9	0.31
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	9	0.31
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	9	0.31
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	9	0.31
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	9	0.31
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	9	0.31
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	9	0.31
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	9	0.31
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	9	0.31
(1,2240)	1:B:61:LEU:HB2	1:B:74:PHE:HB2	7	0.31
(1,2240)	1:B:61:LEU:HB2	1:B:74:PHE:HB3	7	0.31
(1,2240)	1:B:61:LEU:HB2	1:B:75:ILE:HA	7	0.31
(1,2239)	1:A:61:LEU:HB2	1:A:74:PHE:HB2	7	0.31
(1,2239)	1:A:61:LEU:HB2	1:A:74:PHE:HB3	7	0.31
(1,2239)	1:A:61:LEU:HB2	1:A:75:ILE:HA	7	0.31
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA2	10	0.31
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA3	10	0.31
(1,2072)	1:B:74:PHE:HA	1:B:76:SER:HB3	10	0.31
(1,2072)	1:B:74:PHE:HA	1:A:79:ALA:HA	10	0.31
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA2	17	0.31
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA3	17	0.31
(1,2071)	1:A:74:PHE:HA	1:A:76:SER:HB3	17	0.31
(1,2071)	1:A:74:PHE:HA	1:B:79:ALA:HA	17	0.31
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	3	0.31
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	3	0.31
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	3	0.31
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	17	0.31
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	17	0.31
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	17	0.31
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	3	0.31
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	3	0.31
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	3	0.31
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	17	0.31
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	17	0.31
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	17	0.31
(2,72)	1:B:32:GLU:HB2	1:B:36:LEU:HB2	19	0.3
(2,57)	1:A:32:GLU:HB2	1:A:35:GLN:HB2	19	0.3
(2,55)	1:A:70:ASP:HB3	1:A:74:PHE:HB2	4	0.3
(1,646)	1:B:48:ILE:HG12	1:B:48:ILE:HA	8	0.3
(1,645)	1:A:48:ILE:HG12	1:A:48:ILE:HA	8	0.3
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	4	0.3
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	4	0.3
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	17	0.3
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	17	0.3
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	17	0.3
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	17	0.3
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	17	0.3
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:A:83:LYS:HB3	1:A:80:ILE:HA	7	0.3
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	5	0.3
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	5	0.3
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	5	0.3
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	5	0.3
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	7	0.3
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	7	0.3
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	7	0.3
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	7	0.3
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	5	0.3
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	5	0.3
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	5	0.3
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	5	0.3
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	7	0.3
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	7	0.3
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	7	0.3
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	7	0.3
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	11	0.3
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	11	0.3
(1,2561)	1:A:91:LYS:HE2	1:A:80:ILE:HB	11	0.3
(1,2561)	1:A:91:LYS:HE3	1:A:80:ILE:HB	11	0.3
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	11	0.3
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	11	0.3
(1,2561)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	11	0.3
(1,2561)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	11	0.3
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	15	0.3
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	15	0.3
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	15	0.3
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	15	0.3
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	15	0.3
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	15	0.3
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	15	0.3
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	15	0.3
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	15	0.3
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	15	0.3
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	15	0.3
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	15	0.3
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	15	0.3
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	15	0.3
(1,2332)	1:B:86:HIS:HB3	1:B:83:LYS:HE2	19	0.3
(1,2332)	1:B:83:LYS:HE3	1:B:86:HIS:HB3	19	0.3
(1,2331)	1:A:86:HIS:HB3	1:A:83:LYS:HE2	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:A:83:LYS:HE3	1:A:86:HIS:HB3	19	0.3
(1,2300)	1:B:53:VAL:HA	1:B:50:ASP:HB3	14	0.3
(1,2300)	1:B:53:VAL:HA	1:B:55:ASP:HB2	14	0.3
(1,2299)	1:A:53:VAL:HA	1:A:50:ASP:HB3	14	0.3
(1,2299)	1:A:53:VAL:HA	1:A:55:ASP:HB2	14	0.3
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	11	0.3
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	11	0.3
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	11	0.3
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	11	0.3
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	10	0.3
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	10	0.3
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	10	0.3
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	10	0.3
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	10	0.3
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	10	0.3
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	3	0.3
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	3	0.3
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	3	0.3
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	3	0.3
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	3	0.3
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	3	0.3
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	10	0.3
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	10	0.3
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	10	0.3
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	10	0.3
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	10	0.3
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	10	0.3
(1,2270)	1:B:83:LYS:HA	1:B:83:LYS:HE2	1	0.3
(1,2270)	1:B:86:HIS:HB2	1:B:83:LYS:HA	1	0.3
(1,2270)	1:B:83:LYS:HA	1:B:83:LYS:HE2	19	0.3
(1,2270)	1:B:86:HIS:HB2	1:B:83:LYS:HA	19	0.3
(1,2269)	1:A:83:LYS:HA	1:A:83:LYS:HE2	19	0.3
(1,2269)	1:A:86:HIS:HB2	1:A:83:LYS:HA	19	0.3
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA2	3	0.3
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA3	3	0.3
(1,2072)	1:B:74:PHE:HA	1:B:76:SER:HB3	3	0.3
(1,2072)	1:B:74:PHE:HA	1:A:79:ALA:HA	3	0.3
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA2	3	0.3
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA3	3	0.3
(1,2071)	1:A:74:PHE:HA	1:A:76:SER:HB3	3	0.3
(1,2071)	1:A:74:PHE:HA	1:B:79:ALA:HA	3	0.3
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA2	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA3	6	0.3
(1,2071)	1:A:74:PHE:HA	1:A:76:SER:HB3	6	0.3
(1,2071)	1:A:74:PHE:HA	1:B:79:ALA:HA	6	0.3
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA2	10	0.3
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA3	10	0.3
(1,2071)	1:A:74:PHE:HA	1:A:76:SER:HB3	10	0.3
(1,2071)	1:A:74:PHE:HA	1:B:79:ALA:HA	10	0.3
(1,2020)	1:B:91:LYS:HD3	1:B:77:LEU:HA	18	0.3
(1,2020)	1:B:91:LYS:HD3	1:B:82:LEU:HA	18	0.3
(1,2020)	1:B:91:LYS:HD3	1:B:83:LYS:HA	18	0.3
(1,2019)	1:A:91:LYS:HD3	1:A:77:LEU:HA	18	0.3
(1,2019)	1:A:91:LYS:HD3	1:A:82:LEU:HA	18	0.3
(1,2019)	1:A:91:LYS:HD3	1:A:83:LYS:HA	18	0.3
(1,1988)	1:B:30:LYS:HD2	1:B:29:SER:HB3	5	0.3
(1,1988)	1:B:30:LYS:HD2	1:B:32:GLU:HA	5	0.3
(1,1988)	1:B:30:LYS:HD2	1:B:33:LEU:HA	5	0.3
(1,1988)	1:B:30:LYS:HD3	1:B:29:SER:HB3	5	0.3
(1,1988)	1:B:30:LYS:HD3	1:B:33:LEU:HA	5	0.3
(1,1988)	1:B:30:LYS:HD3	1:B:56:GLU:HA	5	0.3
(1,1987)	1:A:30:LYS:HD2	1:A:29:SER:HB3	5	0.3
(1,1987)	1:A:30:LYS:HD2	1:A:32:GLU:HA	5	0.3
(1,1987)	1:A:30:LYS:HD2	1:A:33:LEU:HA	5	0.3
(1,1987)	1:A:30:LYS:HD3	1:A:29:SER:HB3	5	0.3
(1,1987)	1:A:30:LYS:HD3	1:A:33:LEU:HA	5	0.3
(1,1987)	1:A:30:LYS:HD3	1:A:56:GLU:HA	5	0.3
(1,1696)	1:B:83:LYS:HE2	1:A:71:PHE:HB2	19	0.3
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	19	0.3
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	19	0.3
(1,1696)	1:B:83:LYS:HE3	1:A:71:PHE:HB2	19	0.3
(1,1694)	1:B:75:ILE:HD12	1:A:83:LYS:HE2	2	0.3
(1,1694)	1:B:75:ILE:HD11	1:A:83:LYS:HE2	2	0.3
(1,1694)	1:B:75:ILE:HD13	1:A:83:LYS:HE2	2	0.3
(1,1694)	1:B:75:ILE:HD12	1:A:83:LYS:HE3	2	0.3
(1,1694)	1:B:75:ILE:HD11	1:A:83:LYS:HE3	2	0.3
(1,1694)	1:B:75:ILE:HD13	1:A:83:LYS:HE3	2	0.3
(1,1693)	1:A:75:ILE:HD12	1:B:83:LYS:HE2	2	0.3
(1,1693)	1:A:75:ILE:HD11	1:B:83:LYS:HE2	2	0.3
(1,1693)	1:A:75:ILE:HD13	1:B:83:LYS:HE2	2	0.3
(1,1693)	1:A:75:ILE:HD12	1:B:83:LYS:HE3	2	0.3
(1,1693)	1:A:75:ILE:HD11	1:B:83:LYS:HE3	2	0.3
(1,1693)	1:A:75:ILE:HD13	1:B:83:LYS:HE3	2	0.3
(1,168)	1:B:39:LYS:HG3	1:B:39:LYS:HA	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:A:39:LYS:HG3	1:A:39:LYS:HA	8	0.3
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	3	0.3
(1,1458)	1:B:40:GLU:H	1:B:40:GLU:HG2	12	0.3
(1,1458)	1:B:40:GLU:H	1:B:40:GLU:HG3	12	0.3
(1,1457)	1:A:40:GLU:H	1:A:40:GLU:HG2	12	0.3
(1,1457)	1:A:40:GLU:H	1:A:40:GLU:HG3	12	0.3
(2,58)	1:B:32:GLU:HB2	1:B:35:GLN:HB2	19	0.29
(2,56)	1:B:70:ASP:HB3	1:B:74:PHE:HB2	4	0.29
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	4	0.29
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	4	0.29
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	6	0.29
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	6	0.29
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	6	0.29
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	6	0.29
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	18	0.29
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	18	0.29
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	18	0.29
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	18	0.29
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	18	0.29
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	18	0.29
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	4	0.29
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	4	0.29
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	4	0.29
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	4	0.29
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	4	0.29
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	4	0.29
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	4	0.29
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	4	0.29
(1,2612)	1:B:51:LYS:HB2	1:B:50:ASP:HB2	3	0.29
(1,2612)	1:B:51:LYS:HB3	1:B:50:ASP:HB2	3	0.29
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	3	0.29
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	3	0.29
(1,2612)	1:B:91:LYS:HE2	1:B:80:ILE:HB	3	0.29
(1,2612)	1:B:91:LYS:HE3	1:B:80:ILE:HB	3	0.29
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	3	0.29
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	3	0.29
(1,2612)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	3	0.29
(1,2612)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	3	0.29
(1,2611)	1:A:51:LYS:HB2	1:A:50:ASP:HB2	3	0.29
(1,2611)	1:A:51:LYS:HB3	1:A:50:ASP:HB2	3	0.29
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	3	0.29
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2611)	1:A:91:LYS:HE2	1:A:80:ILE:HB	3	0.29
(1,2611)	1:A:91:LYS:HE3	1:A:80:ILE:HB	3	0.29
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	3	0.29
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	3	0.29
(1,2611)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	3	0.29
(1,2611)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	3	0.29
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	3	0.29
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	3	0.29
(1,2562)	1:B:91:LYS:HE2	1:B:80:ILE:HB	3	0.29
(1,2562)	1:B:91:LYS:HE3	1:B:80:ILE:HB	3	0.29
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	3	0.29
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	3	0.29
(1,2562)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	3	0.29
(1,2562)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	3	0.29
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	3	0.29
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	3	0.29
(1,2561)	1:A:91:LYS:HE2	1:A:80:ILE:HB	3	0.29
(1,2561)	1:A:91:LYS:HE3	1:A:80:ILE:HB	3	0.29
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	3	0.29
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	3	0.29
(1,2561)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	3	0.29
(1,2561)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	3	0.29
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	13	0.29
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	13	0.29
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	13	0.29
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	13	0.29
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	13	0.29
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	13	0.29
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	3	0.29
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	3	0.29
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	3	0.29
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	3	0.29
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	3	0.29
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	3	0.29
(1,2269)	1:A:83:LYS:HA	1:A:83:LYS:HE2	1	0.29
(1,2269)	1:A:86:HIS:HB2	1:A:83:LYS:HA	1	0.29
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA2	6	0.29
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA3	6	0.29
(1,2072)	1:B:74:PHE:HA	1:B:76:SER:HB3	6	0.29
(1,2072)	1:B:74:PHE:HA	1:A:79:ALA:HA	6	0.29
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA2	9	0.29
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA3	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:B:74:PHE:HA	1:B:76:SER:HB3	9	0.29
(1,2072)	1:B:74:PHE:HA	1:A:79:ALA:HA	9	0.29
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA2	9	0.29
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA3	9	0.29
(1,2071)	1:A:74:PHE:HA	1:A:76:SER:HB3	9	0.29
(1,2071)	1:A:74:PHE:HA	1:B:79:ALA:HA	9	0.29
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	16	0.29
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	16	0.29
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	16	0.29
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	16	0.29
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	16	0.29
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	16	0.29
(1,1696)	1:B:83:LYS:HE2	1:A:71:PHE:HB2	20	0.29
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	20	0.29
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	20	0.29
(1,1696)	1:B:83:LYS:HE3	1:A:71:PHE:HB2	20	0.29
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	3	0.29
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	18	0.29
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	11	0.29
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	11	0.29
(1,700)	1:B:37:LEU:HD22	1:B:48:ILE:HG13	11	0.28
(1,700)	1:B:37:LEU:HD21	1:B:48:ILE:HG13	11	0.28
(1,700)	1:B:37:LEU:HD23	1:B:48:ILE:HG13	11	0.28
(1,699)	1:A:37:LEU:HD22	1:A:48:ILE:HG13	11	0.28
(1,699)	1:A:37:LEU:HD21	1:A:48:ILE:HG13	11	0.28
(1,699)	1:A:37:LEU:HD23	1:A:48:ILE:HG13	11	0.28
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	11	0.28
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	11	0.28
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	11	0.28
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	11	0.28
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	11	0.28
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	11	0.28
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	1	0.28
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	1	0.28
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	1	0.28
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	1	0.28
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	5	0.28
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	5	0.28
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	5	0.28
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	5	0.28
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	5	0.28
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	5	0.28
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	5	0.28
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	17	0.28
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	17	0.28
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	17	0.28
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	17	0.28
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	17	0.28
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	17	0.28
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	17	0.28
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	17	0.28
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	17	0.28
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	17	0.28
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	17	0.28
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	17	0.28
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	17	0.28
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	17	0.28
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	17	0.28
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	17	0.28
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	17	0.28
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	17	0.28
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	17	0.28
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	17	0.28
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	17	0.28
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	17	0.28
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	17	0.28
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	17	0.28
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	17	0.28
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	17	0.28
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	17	0.28
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	17	0.28
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	17	0.28
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	17	0.28
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	1	0.28
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	1	0.28
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	1	0.28
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	1	0.28
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	1	0.28
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	1	0.28
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	1	0.28
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	1	0.28
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	1	0.28
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	1	0.28
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	1	0.28
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	14	0.28
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	14	0.28
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	14	0.28
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	17	0.28
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	17	0.28
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	17	0.28
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	18	0.28
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	18	0.28
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	18	0.28
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	20	0.28
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	20	0.28
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	20	0.28
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	14	0.28
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	14	0.28
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	14	0.28
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	17	0.28
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	17	0.28
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	17	0.28
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	18	0.28
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	18	0.28
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	18	0.28
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	20	0.28
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	20	0.28
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	20	0.28
(1,2302)	1:B:51:LYS:HE2	1:B:55:ASP:HB2	17	0.28
(1,2302)	1:B:51:LYS:HE3	1:B:55:ASP:HB2	17	0.28
(1,2302)	1:B:39:LYS:HE2	1:B:35:GLN:HB2	17	0.28
(1,2302)	1:B:39:LYS:HE3	1:B:35:GLN:HB2	17	0.28
(1,2301)	1:A:51:LYS:HE2	1:A:55:ASP:HB2	17	0.28
(1,2301)	1:A:51:LYS:HE3	1:A:55:ASP:HB2	17	0.28
(1,2301)	1:A:39:LYS:HE2	1:A:35:GLN:HB2	17	0.28
(1,2301)	1:A:39:LYS:HE3	1:A:35:GLN:HB2	17	0.28
(1,2269)	1:A:83:LYS:HA	1:A:83:LYS:HE2	15	0.28
(1,2269)	1:A:86:HIS:HB2	1:A:83:LYS:HA	15	0.28
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA2	14	0.28
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA3	14	0.28
(1,2072)	1:B:74:PHE:HA	1:B:76:SER:HB3	14	0.28
(1,2072)	1:B:74:PHE:HA	1:A:79:ALA:HA	14	0.28
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA2	14	0.28
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA3	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	1:A:74:PHE:HA	1:A:76:SER:HB3	14	0.28
(1,2071)	1:A:74:PHE:HA	1:B:79:ALA:HA	14	0.28
(1,1695)	1:A:83:LYS:HE2	1:B:71:PHE:HB2	19	0.28
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	19	0.28
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	19	0.28
(1,1695)	1:A:83:LYS:HE3	1:B:71:PHE:HB2	19	0.28
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	7	0.28
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	7	0.28
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	6	0.28
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	16	0.28
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	6	0.28
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	16	0.28
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	18	0.28
(1,1458)	1:B:40:GLU:H	1:B:40:GLU:HG2	7	0.28
(1,1458)	1:B:40:GLU:H	1:B:40:GLU:HG3	7	0.28
(1,1457)	1:A:40:GLU:H	1:A:40:GLU:HG2	7	0.28
(1,1457)	1:A:40:GLU:H	1:A:40:GLU:HG3	7	0.28
(2,72)	1:B:32:GLU:HB2	1:B:36:LEU:HB2	4	0.27
(2,71)	1:A:32:GLU:HB2	1:A:36:LEU:HB2	4	0.27
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	1	0.27
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	1	0.27
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	15	0.27
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	15	0.27
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	15	0.27
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	15	0.27
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	15	0.27
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	15	0.27
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	1	0.27
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	1	0.27
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	1	0.27
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	1	0.27
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	7	0.27
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	7	0.27
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	7	0.27
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	7	0.27
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	12	0.27
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	12	0.27
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	12	0.27
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	12	0.27
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	12	0.27
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	12	0.27
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	12	0.27
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	10	0.27
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	10	0.27
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	10	0.27
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	10	0.27
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	10	0.27
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	10	0.27
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	10	0.27
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	10	0.27
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	16	0.27
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	16	0.27
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	16	0.27
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	16	0.27
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	16	0.27
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	16	0.27
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	16	0.27
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	16	0.27
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	16	0.27
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	16	0.27
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	16	0.27
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	16	0.27
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	16	0.27
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	16	0.27
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	16	0.27
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	16	0.27
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	16	0.27
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	16	0.27
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	16	0.27
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	16	0.27
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	16	0.27
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	16	0.27
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	16	0.27
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	16	0.27
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	16	0.27
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	16	0.27
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	16	0.27
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	16	0.27
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	16	0.27
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	16	0.27
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB2	16	0.27
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB3	16	0.27
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB2	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB3	16	0.27
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB2	16	0.27
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB3	16	0.27
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB2	16	0.27
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB3	16	0.27
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB2	1	0.27
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB2	1	0.27
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB2	1	0.27
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB3	1	0.27
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB3	1	0.27
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB3	1	0.27
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB2	1	0.27
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB3	1	0.27
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB2	1	0.27
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB3	1	0.27
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB2	1	0.27
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB3	1	0.27
(1,2591)	1:A:89:THR:HG21	1:A:83:LYS:HB2	1	0.27
(1,2591)	1:A:89:THR:HG22	1:A:83:LYS:HB2	1	0.27
(1,2591)	1:A:89:THR:HG23	1:A:83:LYS:HB2	1	0.27
(1,2591)	1:A:89:THR:HG21	1:A:83:LYS:HB3	1	0.27
(1,2591)	1:A:89:THR:HG22	1:A:83:LYS:HB3	1	0.27
(1,2591)	1:A:89:THR:HG23	1:A:83:LYS:HB3	1	0.27
(1,2591)	1:A:89:THR:HG21	1:B:9:GLU:HB2	1	0.27
(1,2591)	1:A:89:THR:HG21	1:B:9:GLU:HB3	1	0.27
(1,2591)	1:A:89:THR:HG22	1:B:9:GLU:HB2	1	0.27
(1,2591)	1:A:89:THR:HG22	1:B:9:GLU:HB3	1	0.27
(1,2591)	1:A:89:THR:HG23	1:B:9:GLU:HB2	1	0.27
(1,2591)	1:A:89:THR:HG23	1:B:9:GLU:HB3	1	0.27
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	19	0.27
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	19	0.27
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	19	0.27
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	19	0.27
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	19	0.27
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	19	0.27
(1,2330)	1:B:39:LYS:HE3	1:B:35:GLN:HB2	6	0.27
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	6	0.27
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	6	0.27
(1,2329)	1:A:39:LYS:HE3	1:A:35:GLN:HB2	6	0.27
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	6	0.27
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	6	0.27
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	17	0.27
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	17	0.27
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	17	0.27
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	17	0.27
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	17	0.27
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	17	0.27
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	17	0.27
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	17	0.27
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	17	0.27
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	17	0.27
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	17	0.27
(1,2270)	1:B:83:LYS:HA	1:B:83:LYS:HE2	15	0.27
(1,2270)	1:B:86:HIS:HB2	1:B:83:LYS:HA	15	0.27
(1,2170)	1:B:59:GLN:HA	1:B:58:PHE:HB2	8	0.27
(1,2170)	1:B:86:HIS:HA	1:B:88:HIS:HB3	8	0.27
(1,2169)	1:A:59:GLN:HA	1:A:58:PHE:HB2	8	0.27
(1,2169)	1:A:86:HIS:HA	1:A:88:HIS:HB3	8	0.27
(1,1988)	1:B:30:LYS:HD2	1:B:29:SER:HB3	15	0.27
(1,1988)	1:B:30:LYS:HD2	1:B:32:GLU:HA	15	0.27
(1,1988)	1:B:30:LYS:HD2	1:B:33:LEU:HA	15	0.27
(1,1988)	1:B:30:LYS:HD3	1:B:29:SER:HB3	15	0.27
(1,1988)	1:B:30:LYS:HD3	1:B:33:LEU:HA	15	0.27
(1,1988)	1:B:30:LYS:HD3	1:B:56:GLU:HA	15	0.27
(1,1987)	1:A:30:LYS:HD2	1:A:29:SER:HB3	15	0.27
(1,1987)	1:A:30:LYS:HD2	1:A:32:GLU:HA	15	0.27
(1,1987)	1:A:30:LYS:HD2	1:A:33:LEU:HA	15	0.27
(1,1987)	1:A:30:LYS:HD3	1:A:29:SER:HB3	15	0.27
(1,1987)	1:A:30:LYS:HD3	1:A:33:LEU:HA	15	0.27
(1,1987)	1:A:30:LYS:HD3	1:A:56:GLU:HA	15	0.27
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD22	10	0.27
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD21	10	0.27
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD23	10	0.27
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD12	10	0.27
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD11	10	0.27
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD13	10	0.27
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	10	0.27
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	10	0.27
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	10	0.27
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	10	0.27
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	10	0.27
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	10	0.27
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	12	0.27
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	17	0.26
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	17	0.26
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	17	0.26
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	17	0.26
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	17	0.26
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	17	0.26
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	17	0.26
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	17	0.26
(1,3502)	1:B:67:GLU:H	1:B:66:ASP:HB3	7	0.26
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG2	7	0.26
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG3	7	0.26
(1,3501)	1:A:67:GLU:H	1:A:66:ASP:HB3	7	0.26
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG2	7	0.26
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG3	7	0.26
(1,3104)	1:B:30:LYS:HG2	1:B:30:LYS:HD3	15	0.26
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG22	15	0.26
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG21	15	0.26
(1,3104)	1:B:30:LYS:HG2	1:B:54:ILE:HG23	15	0.26
(1,3103)	1:A:30:LYS:HG2	1:A:30:LYS:HD3	15	0.26
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG22	15	0.26
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG21	15	0.26
(1,3103)	1:A:30:LYS:HG2	1:A:54:ILE:HG23	15	0.26
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	17	0.26
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	17	0.26
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	17	0.26
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	17	0.26
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	17	0.26
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	17	0.26
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	17	0.26
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	17	0.26
(1,2822)	1:B:89:THR:HG21	1:B:46:LYS:HG2	15	0.26
(1,2822)	1:B:89:THR:HG22	1:B:46:LYS:HG2	15	0.26
(1,2822)	1:B:89:THR:HG23	1:B:46:LYS:HG2	15	0.26
(1,2822)	1:B:89:THR:HG21	1:B:84:ALA:HB2	15	0.26
(1,2822)	1:B:89:THR:HG21	1:B:84:ALA:HB1	15	0.26
(1,2822)	1:B:89:THR:HG21	1:B:84:ALA:HB3	15	0.26
(1,2822)	1:B:89:THR:HG22	1:B:84:ALA:HB2	15	0.26
(1,2822)	1:B:89:THR:HG22	1:B:84:ALA:HB1	15	0.26
(1,2822)	1:B:89:THR:HG22	1:B:84:ALA:HB3	15	0.26
(1,2822)	1:B:89:THR:HG23	1:B:84:ALA:HB2	15	0.26
(1,2822)	1:B:89:THR:HG23	1:B:84:ALA:HB1	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2822)	1:B:89:THR:HG23	1:B:84:ALA:HB3	15	0.26
(1,2822)	1:B:89:THR:HG21	1:B:85:ALA:HB2	15	0.26
(1,2822)	1:B:89:THR:HG21	1:B:85:ALA:HB1	15	0.26
(1,2822)	1:B:89:THR:HG21	1:B:85:ALA:HB3	15	0.26
(1,2822)	1:B:89:THR:HG22	1:B:85:ALA:HB2	15	0.26
(1,2822)	1:B:89:THR:HG22	1:B:85:ALA:HB1	15	0.26
(1,2822)	1:B:89:THR:HG22	1:B:85:ALA:HB3	15	0.26
(1,2822)	1:B:89:THR:HG23	1:B:85:ALA:HB2	15	0.26
(1,2822)	1:B:89:THR:HG23	1:B:85:ALA:HB1	15	0.26
(1,2822)	1:B:89:THR:HG23	1:B:85:ALA:HB3	15	0.26
(1,2821)	1:A:89:THR:HG21	1:A:46:LYS:HG2	15	0.26
(1,2821)	1:A:89:THR:HG22	1:A:46:LYS:HG2	15	0.26
(1,2821)	1:A:89:THR:HG23	1:A:46:LYS:HG2	15	0.26
(1,2821)	1:A:89:THR:HG21	1:A:84:ALA:HB2	15	0.26
(1,2821)	1:A:89:THR:HG21	1:A:84:ALA:HB1	15	0.26
(1,2821)	1:A:89:THR:HG21	1:A:84:ALA:HB3	15	0.26
(1,2821)	1:A:89:THR:HG22	1:A:84:ALA:HB2	15	0.26
(1,2821)	1:A:89:THR:HG22	1:A:84:ALA:HB1	15	0.26
(1,2821)	1:A:89:THR:HG22	1:A:84:ALA:HB3	15	0.26
(1,2821)	1:A:89:THR:HG23	1:A:84:ALA:HB2	15	0.26
(1,2821)	1:A:89:THR:HG23	1:A:84:ALA:HB1	15	0.26
(1,2821)	1:A:89:THR:HG23	1:A:84:ALA:HB3	15	0.26
(1,2821)	1:A:89:THR:HG21	1:A:85:ALA:HB2	15	0.26
(1,2821)	1:A:89:THR:HG21	1:A:85:ALA:HB1	15	0.26
(1,2821)	1:A:89:THR:HG21	1:A:85:ALA:HB3	15	0.26
(1,2821)	1:A:89:THR:HG22	1:A:85:ALA:HB2	15	0.26
(1,2821)	1:A:89:THR:HG22	1:A:85:ALA:HB1	15	0.26
(1,2821)	1:A:89:THR:HG22	1:A:85:ALA:HB3	15	0.26
(1,2821)	1:A:89:THR:HG23	1:A:85:ALA:HB2	15	0.26
(1,2821)	1:A:89:THR:HG23	1:A:85:ALA:HB1	15	0.26
(1,2821)	1:A:89:THR:HG23	1:A:85:ALA:HB3	15	0.26
(1,2612)	1:B:51:LYS:HB2	1:B:50:ASP:HB2	1	0.26
(1,2612)	1:B:51:LYS:HB3	1:B:50:ASP:HB2	1	0.26
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	1	0.26
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	1	0.26
(1,2612)	1:B:91:LYS:HE2	1:B:80:ILE:HB	1	0.26
(1,2612)	1:B:91:LYS:HE3	1:B:80:ILE:HB	1	0.26
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	1	0.26
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	1	0.26
(1,2612)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	1	0.26
(1,2612)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	1	0.26
(1,2611)	1:A:51:LYS:HB2	1:A:50:ASP:HB2	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2611)	1:A:51:LYS:HB3	1:A:50:ASP:HB2	1	0.26
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	1	0.26
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	1	0.26
(1,2611)	1:A:91:LYS:HE2	1:A:80:ILE:HB	1	0.26
(1,2611)	1:A:91:LYS:HE3	1:A:80:ILE:HB	1	0.26
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	1	0.26
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	1	0.26
(1,2611)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	1	0.26
(1,2611)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	1	0.26
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	1	0.26
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	1	0.26
(1,2562)	1:B:91:LYS:HE2	1:B:80:ILE:HB	1	0.26
(1,2562)	1:B:91:LYS:HE3	1:B:80:ILE:HB	1	0.26
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	1	0.26
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	1	0.26
(1,2562)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	1	0.26
(1,2562)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	1	0.26
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	1	0.26
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	1	0.26
(1,2561)	1:A:91:LYS:HE2	1:A:80:ILE:HB	1	0.26
(1,2561)	1:A:91:LYS:HE3	1:A:80:ILE:HB	1	0.26
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	1	0.26
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	1	0.26
(1,2561)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	1	0.26
(1,2561)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	1	0.26
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	6	0.26
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	6	0.26
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	6	0.26
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	10	0.26
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	10	0.26
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	10	0.26
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	4	0.26
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	4	0.26
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	4	0.26
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	6	0.26
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	6	0.26
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	6	0.26
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	10	0.26
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	10	0.26
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	10	0.26
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	11	0.26
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	11	0.26
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	11	0.26
(1,2300)	1:B:53:VAL:HA	1:B:50:ASP:HB3	9	0.26
(1,2300)	1:B:53:VAL:HA	1:B:55:ASP:HB2	9	0.26
(1,2299)	1:A:53:VAL:HA	1:A:50:ASP:HB3	9	0.26
(1,2299)	1:A:53:VAL:HA	1:A:55:ASP:HB2	9	0.26
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	16	0.26
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	16	0.26
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	16	0.26
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	16	0.26
(1,2020)	1:B:91:LYS:HD3	1:B:77:LEU:HA	12	0.26
(1,2020)	1:B:91:LYS:HD3	1:B:82:LEU:HA	12	0.26
(1,2020)	1:B:91:LYS:HD3	1:B:83:LYS:HA	12	0.26
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	11	0.26
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	11	0.26
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	11	0.26
(1,1695)	1:A:83:LYS:HE2	1:B:71:PHE:HB2	10	0.26
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	10	0.26
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	10	0.26
(1,1695)	1:A:83:LYS:HE3	1:B:71:PHE:HB2	10	0.26
(1,1695)	1:A:83:LYS:HE2	1:B:71:PHE:HB2	20	0.26
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	20	0.26
(1,1695)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	20	0.26
(1,1695)	1:A:83:LYS:HE3	1:B:71:PHE:HB2	20	0.26
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	8	0.26
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	10	0.26
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	8	0.26
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	10	0.26
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	11	0.25
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	11	0.25
(1,419)	1:A:53:VAL:HB	1:A:50:ASP:HB2	11	0.25
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	2	0.25
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	2	0.25
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	2	0.25
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	2	0.25
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	16	0.25
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	16	0.25
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	16	0.25
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	16	0.25
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	1	0.25
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	1	0.25
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	1	0.25
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	2	0.25
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	2	0.25
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	2	0.25
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	2	0.25
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	16	0.25
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	16	0.25
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	16	0.25
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	16	0.25
(1,3220)	1:B:30:LYS:HG3	1:B:62:ASP:HB2	15	0.25
(1,3220)	1:B:71:PHE:HB3	1:B:78:VAL:HG22	15	0.25
(1,3220)	1:B:71:PHE:HB3	1:B:78:VAL:HG21	15	0.25
(1,3220)	1:B:71:PHE:HB3	1:B:78:VAL:HG23	15	0.25
(1,3219)	1:A:30:LYS:HG3	1:A:62:ASP:HB2	15	0.25
(1,3219)	1:A:71:PHE:HB3	1:A:78:VAL:HG22	15	0.25
(1,3219)	1:A:71:PHE:HB3	1:A:78:VAL:HG21	15	0.25
(1,3219)	1:A:71:PHE:HB3	1:A:78:VAL:HG23	15	0.25
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	7	0.25
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	7	0.25
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	7	0.25
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	7	0.25
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	15	0.25
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	15	0.25
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	15	0.25
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	15	0.25
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	15	0.25
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	15	0.25
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	15	0.25
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	15	0.25
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	4	0.25
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	4	0.25
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	4	0.25
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	18	0.25
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	18	0.25
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	19	0.25
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	19	0.25
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	18	0.25
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	18	0.25
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	19	0.25
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	19	0.25
(1,2352)	1:B:36:LEU:HB2	1:B:40:GLU:HB2	12	0.25
(1,2352)	1:B:36:LEU:HB3	1:B:40:GLU:HB2	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2351)	1:A:36:LEU:HB2	1:A:40:GLU:HB2	12	0.25
(1,2351)	1:A:36:LEU:HB3	1:A:40:GLU:HB2	12	0.25
(1,2300)	1:B:53:VAL:HA	1:B:50:ASP:HB3	3	0.25
(1,2300)	1:B:53:VAL:HA	1:B:55:ASP:HB2	3	0.25
(1,2299)	1:A:53:VAL:HA	1:A:50:ASP:HB3	3	0.25
(1,2299)	1:A:53:VAL:HA	1:A:55:ASP:HB2	3	0.25
(1,2299)	1:A:53:VAL:HA	1:A:50:ASP:HB3	20	0.25
(1,2299)	1:A:53:VAL:HA	1:A:55:ASP:HB2	20	0.25
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	10	0.25
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	10	0.25
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	10	0.25
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	10	0.25
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	13	0.25
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	13	0.25
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	13	0.25
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	13	0.25
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	13	0.25
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	13	0.25
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE2	10	0.25
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE3	10	0.25
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE2	10	0.25
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE3	10	0.25
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE2	10	0.25
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE3	10	0.25
(1,2190)	1:B:37:LEU:HB3	1:B:58:PHE:HB3	10	0.25
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE2	10	0.25
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE3	10	0.25
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE2	10	0.25
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE3	10	0.25
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE2	10	0.25
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE3	10	0.25
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE2	10	0.25
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE3	10	0.25
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE2	10	0.25
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE3	10	0.25
(1,2189)	1:A:37:LEU:HB3	1:A:58:PHE:HB3	10	0.25
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE2	10	0.25
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE3	10	0.25
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE2	10	0.25
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE3	10	0.25
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA2	1	0.25
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA3	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:B:74:PHE:HA	1:B:76:SER:HB3	1	0.25
(1,2072)	1:B:74:PHE:HA	1:A:79:ALA:HA	1	0.25
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA2	1	0.25
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA3	1	0.25
(1,2071)	1:A:74:PHE:HA	1:A:76:SER:HB3	1	0.25
(1,2071)	1:A:74:PHE:HA	1:B:79:ALA:HA	1	0.25
(1,2019)	1:A:91:LYS:HD3	1:A:77:LEU:HA	12	0.25
(1,2019)	1:A:91:LYS:HD3	1:A:82:LEU:HA	12	0.25
(1,2019)	1:A:91:LYS:HD3	1:A:83:LYS:HA	12	0.25
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	11	0.25
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	11	0.25
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	11	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD22	3	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD21	3	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD23	3	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD12	3	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD11	3	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD13	3	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	3	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	3	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	3	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	3	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	3	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	3	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD22	11	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD21	11	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD23	11	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD12	11	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD11	11	0.25
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD13	11	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	11	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	11	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	11	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	11	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	11	0.25
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	11	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD22	3	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD21	3	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD23	3	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD12	3	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD11	3	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD13	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	3	0.25
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	3	0.25
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	3	0.25
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	3	0.25
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	3	0.25
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	3	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD22	11	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD21	11	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD23	11	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD12	11	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD11	11	0.25
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD13	11	0.25
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	11	0.25
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	11	0.25
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	11	0.25
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	11	0.25
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	11	0.25
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	11	0.25
(1,1560)	1:B:77:LEU:H	1:B:61:LEU:HB2	17	0.25
(1,1559)	1:A:77:LEU:H	1:A:61:LEU:HB2	17	0.25
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	10	0.25
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	10	0.25
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	18	0.24
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	18	0.24
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	18	0.24
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	8	0.24
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	8	0.24
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	11	0.24
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	11	0.24
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	11	0.24
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	11	0.24
(1,420)	1:B:53:VAL:HB	1:B:50:ASP:HB2	11	0.24
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	8	0.24
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	8	0.24
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	8	0.24
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	8	0.24
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	8	0.24
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	8	0.24
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	8	0.24
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	8	0.24
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	8	0.24
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	8	0.24
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	8	0.24
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	10	0.24
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	20	0.24
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	20	0.24
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	20	0.24
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	20	0.24
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	20	0.24
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	20	0.24
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	20	0.24
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	20	0.24
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	20	0.24
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	20	0.24
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	20	0.24
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	8	0.24
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	10	0.24
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	10	0.24
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	10	0.24
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	10	0.24
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	10	0.24
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	10	0.24
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	10	0.24
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	10	0.24
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	10	0.24
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	10	0.24
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	10	0.24
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	20	0.24
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	20	0.24
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	1	0.24
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	1	0.24
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	1	0.24
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	1	0.24
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	8	0.24
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	8	0.24
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	8	0.24
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	8	0.24
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	13	0.24
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	13	0.24
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	13	0.24
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	13	0.24
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	8	0.24
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	8	0.24
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	8	0.24
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	8	0.24
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	13	0.24
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	13	0.24
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	13	0.24
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	13	0.24
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	4	0.24
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	4	0.24
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	4	0.24
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	4	0.24
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	4	0.24
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	4	0.24
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	4	0.24
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	4	0.24
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	4	0.24
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	4	0.24
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	4	0.24
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	4	0.24
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	4	0.24
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	4	0.24
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	4	0.24
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	4	0.24
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	4	0.24
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	4	0.24
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	4	0.24
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	4	0.24
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	4	0.24
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	4	0.24
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	4	0.24
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	4	0.24
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	4	0.24
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	4	0.24
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	4	0.24
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	4	0.24
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	4	0.24
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	2	0.24
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	2	0.24
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	2	0.24
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	2	0.24
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	17	0.24
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	17	0.24
(1,296)	1:B:83:LYS:HB3	1:B:80:ILE:HA	14	0.24
(1,295)	1:A:83:LYS:HB3	1:A:80:ILE:HA	14	0.24
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	19	0.24
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	19	0.24
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	19	0.24
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	19	0.24
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	19	0.24
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	19	0.24
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	19	0.24
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	9	0.24
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	9	0.24
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	9	0.24
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	9	0.24
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	7	0.24
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	7	0.24
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	7	0.24
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	7	0.24
(1,2300)	1:B:53:VAL:HA	1:B:50:ASP:HB3	20	0.24
(1,2300)	1:B:53:VAL:HA	1:B:55:ASP:HB2	20	0.24
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	3	0.24
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	3	0.24
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	3	0.24
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	3	0.24
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	11	0.24
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	11	0.24
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	11	0.24
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	11	0.24
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	11	0.24
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	11	0.24
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	13	0.24
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	13	0.24
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	13	0.24
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	13	0.24
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	13	0.24
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	13	0.24
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD22	10	0.24
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD21	10	0.24
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD23	10	0.24
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD12	10	0.24
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD11	10	0.24
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD13	10	0.24
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	10	0.24
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	10	0.24
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	10	0.24
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	10	0.24
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	10	0.24
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	10	0.24
(1,1540)	1:B:84:ALA:H	1:B:91:LYS:HD3	10	0.24
(1,1539)	1:A:84:ALA:H	1:A:91:LYS:HD3	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	16	0.24
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	16	0.24
(2,72)	1:B:32:GLU:HB2	1:B:36:LEU:HB2	15	0.23
(2,71)	1:A:32:GLU:HB2	1:A:36:LEU:HB2	15	0.23
(1,918)	1:B:91:LYS:H	1:B:90:HIS:H	11	0.23
(1,917)	1:A:91:LYS:H	1:A:90:HIS:H	11	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	2	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	2	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	2	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	6	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	6	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	6	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	10	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	10	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	10	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	15	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	15	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	15	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	16	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	16	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	16	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	17	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	17	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	17	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	19	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	19	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	19	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	20	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	20	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	20	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	2	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	2	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	2	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	6	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	6	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	6	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	10	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	10	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	10	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	15	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	15	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	16	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	16	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	16	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	17	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	17	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	17	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	18	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	18	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	18	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	19	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	19	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	19	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	20	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	20	0.23
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	20	0.23
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	1	0.23
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	1	0.23
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	8	0.23
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	8	0.23
(1,420)	1:B:53:VAL:HB	1:B:50:ASP:HB2	16	0.23
(1,419)	1:A:53:VAL:HB	1:A:50:ASP:HB2	16	0.23
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	9	0.23
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	1	0.23
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	3	0.23
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	3	0.23
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	3	0.23
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	3	0.23
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	3	0.23
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	3	0.23
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	3	0.23
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	3	0.23
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	3	0.23
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	3	0.23
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	3	0.23
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	5	0.23
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	5	0.23
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	5	0.23
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	5	0.23
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	5	0.23
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	5	0.23
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	5	0.23
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	5	0.23
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	5	0.23
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	5	0.23
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	5	0.23
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	5	0.23
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	1	0.23
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	3	0.23
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	5	0.23
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	5	0.23
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	5	0.23
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	5	0.23
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	5	0.23
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	5	0.23
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	5	0.23
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	5	0.23
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	5	0.23
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	5	0.23
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	5	0.23
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	5	0.23
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	5	0.23
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	5	0.23
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	5	0.23
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	5	0.23
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	5	0.23
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	5	0.23
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	5	0.23
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	7	0.23
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	7	0.23
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	7	0.23
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	7	0.23
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	7	0.23
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	7	0.23
(1,3501)	1:A:67:GLU:H	1:A:66:ASP:HB3	13	0.23
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG2	13	0.23
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG3	13	0.23
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	2	0.23
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	2	0.23
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	2	0.23
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	2	0.23
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	18	0.23
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	18	0.23
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD12	2	0.23
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD11	2	0.23
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD13	2	0.23
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD12	2	0.23
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD11	2	0.23
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD13	2	0.23
(1,3178)	1:B:45:ILE:HG22	1:B:91:LYS:HE2	2	0.23
(1,3178)	1:B:45:ILE:HG22	1:B:91:LYS:HE3	2	0.23
(1,3178)	1:B:45:ILE:HG21	1:B:91:LYS:HE2	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3178)	1:B:45:ILE:HG21	1:B:91:LYS:HE3	2	0.23
(1,3178)	1:B:45:ILE:HG23	1:B:91:LYS:HE2	2	0.23
(1,3178)	1:B:45:ILE:HG23	1:B:91:LYS:HE3	2	0.23
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD12	2	0.23
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD11	2	0.23
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD13	2	0.23
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD12	2	0.23
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD11	2	0.23
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD13	2	0.23
(1,3177)	1:A:45:ILE:HG22	1:A:91:LYS:HE2	2	0.23
(1,3177)	1:A:45:ILE:HG22	1:A:91:LYS:HE3	2	0.23
(1,3177)	1:A:45:ILE:HG21	1:A:91:LYS:HE2	2	0.23
(1,3177)	1:A:45:ILE:HG21	1:A:91:LYS:HE3	2	0.23
(1,3177)	1:A:45:ILE:HG23	1:A:91:LYS:HE2	2	0.23
(1,3177)	1:A:45:ILE:HG23	1:A:91:LYS:HE3	2	0.23
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	17	0.23
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	17	0.23
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	8	0.23
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	8	0.23
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	8	0.23
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	8	0.23
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	11	0.23
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	11	0.23
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	11	0.23
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	11	0.23
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	13	0.23
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	13	0.23
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	13	0.23
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	13	0.23
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	8	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	8	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	8	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	8	0.23
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	9	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	9	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	9	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	9	0.23
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	11	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	11	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	11	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	11	0.23
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	13	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	13	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	13	0.23
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	19	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	19	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	19	0.23
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	19	0.23
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	18	0.23
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	18	0.23
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	18	0.23
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	18	0.23
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	18	0.23
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	18	0.23
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	18	0.23
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	18	0.23
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	18	0.23
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	18	0.23
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	18	0.23
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	18	0.23
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	18	0.23
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	18	0.23
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	18	0.23
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	18	0.23
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	18	0.23
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	18	0.23
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	18	0.23
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	18	0.23
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	18	0.23
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	18	0.23
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	18	0.23
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	18	0.23
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	18	0.23
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	18	0.23
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	18	0.23
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	18	0.23
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	18	0.23
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	18	0.23
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	4	0.23
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	4	0.23
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	18	0.23
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	18	0.23
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	18	0.23
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	18	0.23
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	18	0.23
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	1	0.23
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	1	0.23
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	1	0.23
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	1	0.23
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	1	0.23
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	2	0.23
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	2	0.23
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	2	0.23
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	2	0.23
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	2	0.23
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	8	0.23
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	8	0.23
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	8	0.23
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	8	0.23
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	8	0.23
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	19	0.23
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	19	0.23
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	19	0.23
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	19	0.23
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	19	0.23
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	1	0.23
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	1	0.23
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	1	0.23
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	1	0.23
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	1	0.23
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	2	0.23
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	2	0.23
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	2	0.23
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	2	0.23
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	2	0.23
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	8	0.23
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	8	0.23
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	8	0.23
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	8	0.23
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	8	0.23
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	19	0.23
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	19	0.23
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	19	0.23
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	19	0.23
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	14	0.23
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	14	0.23
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	14	0.23
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	14	0.23
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	14	0.23
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	14	0.23
(1,2559)	1:A:39:LYS:HE3	1:A:39:LYS:HB3	9	0.23
(1,2559)	1:A:51:LYS:HE2	1:A:54:ILE:HB	9	0.23
(1,2559)	1:A:51:LYS:HE3	1:A:54:ILE:HB	9	0.23
(1,2558)	1:B:39:LYS:HE2	1:B:39:LYS:HB3	18	0.23
(1,2558)	1:B:39:LYS:HE3	1:B:39:LYS:HB3	18	0.23
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	5	0.23
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	5	0.23
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	5	0.23
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	9	0.23
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	9	0.23
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	9	0.23
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	15	0.23
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	15	0.23
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	15	0.23
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	5	0.23
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	5	0.23
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	5	0.23
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	9	0.23
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	9	0.23
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	9	0.23
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	15	0.23
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	15	0.23
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	15	0.23
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG2	14	0.23
(1,2522)	1:B:30:LYS:HB3	1:B:32:GLU:HG3	14	0.23
(1,2522)	1:B:30:LYS:HB3	1:B:33:LEU:HB2	14	0.23
(1,2522)	1:B:30:LYS:HB3	1:B:54:ILE:HB	14	0.23
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG2	14	0.23
(1,2522)	1:B:30:LYS:HB2	1:B:32:GLU:HG3	14	0.23
(1,2522)	1:B:30:LYS:HB2	1:B:33:LEU:HB2	14	0.23
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG2	14	0.23
(1,2521)	1:A:30:LYS:HB3	1:A:32:GLU:HG3	14	0.23
(1,2521)	1:A:30:LYS:HB3	1:A:33:LEU:HB2	14	0.23
(1,2521)	1:A:30:LYS:HB3	1:A:54:ILE:HB	14	0.23
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG2	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2521)	1:A:30:LYS:HB2	1:A:32:GLU:HG3	14	0.23
(1,2521)	1:A:30:LYS:HB2	1:A:33:LEU:HB2	14	0.23
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	4	0.23
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	4	0.23
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	4	0.23
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	4	0.23
(1,2374)	1:B:74:PHE:HA	1:B:71:PHE:HB2	13	0.23
(1,2374)	1:B:71:PHE:HB3	1:B:74:PHE:HA	13	0.23
(1,2374)	1:B:74:PHE:HA	1:B:72:GLN:HG2	13	0.23
(1,2374)	1:B:74:PHE:HA	1:B:72:GLN:HG3	13	0.23
(1,2373)	1:A:74:PHE:HA	1:A:71:PHE:HB2	13	0.23
(1,2373)	1:A:71:PHE:HB3	1:A:74:PHE:HA	13	0.23
(1,2373)	1:A:74:PHE:HA	1:A:72:GLN:HG2	13	0.23
(1,2373)	1:A:74:PHE:HA	1:A:72:GLN:HG3	13	0.23
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	11	0.23
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	11	0.23
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	11	0.23
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	11	0.23
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	11	0.23
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	11	0.23
(1,2270)	1:B:83:LYS:HA	1:B:83:LYS:HE2	4	0.23
(1,2270)	1:B:86:HIS:HB2	1:B:83:LYS:HA	4	0.23
(1,2269)	1:A:83:LYS:HA	1:A:83:LYS:HE2	4	0.23
(1,2269)	1:A:86:HIS:HB2	1:A:83:LYS:HA	4	0.23
(1,1936)	1:B:54:ILE:HG12	1:B:49:LYS:HA	8	0.23
(1,1936)	1:B:83:LYS:HD2	1:B:84:ALA:HA	8	0.23
(1,1936)	1:B:83:LYS:HD3	1:B:84:ALA:HA	8	0.23
(1,1936)	1:B:83:LYS:HD2	1:B:87:TYR:HA	8	0.23
(1,1936)	1:B:83:LYS:HD3	1:B:87:TYR:HA	8	0.23
(1,1936)	1:B:83:LYS:HD2	1:B:91:LYS:HA	8	0.23
(1,1936)	1:B:83:LYS:HD3	1:B:91:LYS:HA	8	0.23
(1,1936)	1:B:91:LYS:HD2	1:B:84:ALA:HA	8	0.23
(1,1936)	1:B:91:LYS:HD2	1:B:91:LYS:HA	8	0.23
(1,1935)	1:A:54:ILE:HG12	1:A:49:LYS:HA	8	0.23
(1,1935)	1:A:83:LYS:HD2	1:A:84:ALA:HA	8	0.23
(1,1935)	1:A:83:LYS:HD3	1:A:84:ALA:HA	8	0.23
(1,1935)	1:A:83:LYS:HD2	1:A:87:TYR:HA	8	0.23
(1,1935)	1:A:83:LYS:HD3	1:A:87:TYR:HA	8	0.23
(1,1935)	1:A:83:LYS:HD2	1:A:91:LYS:HA	8	0.23
(1,1935)	1:A:83:LYS:HD3	1:A:91:LYS:HA	8	0.23
(1,1935)	1:A:91:LYS:HD2	1:A:84:ALA:HA	8	0.23
(1,1935)	1:A:91:LYS:HD2	1:A:91:LYS:HA	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	18	0.23
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	18	0.23
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	3	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	3	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	3	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	4	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	4	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	4	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	7	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	7	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	7	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	8	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	8	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	8	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	11	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	11	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	11	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	12	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	12	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	12	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	13	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	13	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	13	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	14	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	14	0.22
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	14	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	3	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	3	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	3	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	4	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	4	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	4	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	7	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	7	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	7	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	8	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	8	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	8	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	11	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	11	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	11	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	12	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	12	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	13	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	13	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	13	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	14	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	14	0.22
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	14	0.22
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	1	0.22
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	1	0.22
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	7	0.22
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	7	0.22
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	9	0.22
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	11	0.22
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	11	0.22
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	14	0.22
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	14	0.22
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	14	0.22
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	14	0.22
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	14	0.22
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	14	0.22
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	14	0.22
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	14	0.22
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	14	0.22
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	14	0.22
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	14	0.22
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	14	0.22
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	2	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	2	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	2	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	2	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	2	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	2	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	2	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	2	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	2	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	2	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	2	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	7	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	9	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	12	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	12	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	12	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	12	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	12	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	12	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	12	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	12	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	12	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	12	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	12	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	14	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	15	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	17	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	19	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	19	0.22
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	19	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	19	0.22
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	19	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	19	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	19	0.22
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	19	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	19	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	19	0.22
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	2	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	7	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	9	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	9	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	9	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	9	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	9	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	9	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	9	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	9	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	9	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	9	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	9	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	12	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	14	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	15	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	17	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	17	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	17	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	17	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	17	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	17	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	17	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	17	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	17	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	17	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	17	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	19	0.22
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	19	0.22
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	7	0.22
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	7	0.22
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	7	0.22
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	7	0.22
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	13	0.22
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	13	0.22
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	13	0.22
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	19	0.22
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	19	0.22
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	19	0.22
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	13	0.22
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	13	0.22
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	13	0.22
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	4	0.22
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	4	0.22
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	4	0.22
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	4	0.22
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	14	0.22
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	14	0.22
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	14	0.22
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	19	0.22
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	19	0.22
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	19	0.22
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	19	0.22
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	19	0.22
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	19	0.22
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	19	0.22
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	19	0.22
(1,3502)	1:B:67:GLU:H	1:B:66:ASP:HB3	13	0.22
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG2	13	0.22
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG3	13	0.22
(1,3502)	1:B:67:GLU:H	1:B:66:ASP:HB3	20	0.22
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG2	20	0.22
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG3	20	0.22
(1,3501)	1:A:67:GLU:H	1:A:66:ASP:HB3	20	0.22
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG2	20	0.22
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG3	20	0.22
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	2	0.22
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	2	0.22
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	2	0.22
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	2	0.22
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	18	0.22
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	18	0.22
(1,3292)	1:B:84:ALA:H	1:B:92:GLU:H	5	0.22
(1,3292)	1:B:92:GLU:H	1:B:89:THR:H	5	0.22
(1,3291)	1:A:84:ALA:H	1:A:92:GLU:H	5	0.22
(1,3291)	1:A:92:GLU:H	1:A:89:THR:H	5	0.22
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD12	6	0.22
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD11	6	0.22
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD13	6	0.22
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD12	6	0.22
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD11	6	0.22
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD13	6	0.22
(1,3178)	1:B:45:ILE:HG22	1:B:91:LYS:HE2	6	0.22
(1,3178)	1:B:45:ILE:HG22	1:B:91:LYS:HE3	6	0.22
(1,3178)	1:B:45:ILE:HG21	1:B:91:LYS:HE2	6	0.22
(1,3178)	1:B:45:ILE:HG21	1:B:91:LYS:HE3	6	0.22
(1,3178)	1:B:45:ILE:HG23	1:B:91:LYS:HE2	6	0.22
(1,3178)	1:B:45:ILE:HG23	1:B:91:LYS:HE3	6	0.22
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD12	6	0.22
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD11	6	0.22
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD13	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD12	6	0.22
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD11	6	0.22
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD13	6	0.22
(1,3177)	1:A:45:ILE:HG22	1:A:91:LYS:HE2	6	0.22
(1,3177)	1:A:45:ILE:HG22	1:A:91:LYS:HE3	6	0.22
(1,3177)	1:A:45:ILE:HG21	1:A:91:LYS:HE2	6	0.22
(1,3177)	1:A:45:ILE:HG21	1:A:91:LYS:HE3	6	0.22
(1,3177)	1:A:45:ILE:HG23	1:A:91:LYS:HE2	6	0.22
(1,3177)	1:A:45:ILE:HG23	1:A:91:LYS:HE3	6	0.22
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	20	0.22
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	20	0.22
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	20	0.22
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	20	0.22
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	4	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	4	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	4	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	4	0.22
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	6	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	6	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	6	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	6	0.22
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	14	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	14	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	14	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	14	0.22
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	16	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	16	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	16	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	16	0.22
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	18	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	18	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	18	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	18	0.22
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	19	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	19	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	19	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	19	0.22
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	20	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	20	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	20	0.22
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	20	0.22
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	4	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	4	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	4	0.22
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	6	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	6	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	6	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	6	0.22
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	14	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	14	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	14	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	14	0.22
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	18	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	18	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	18	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	18	0.22
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	20	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	20	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	20	0.22
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	20	0.22
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	4	0.22
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	4	0.22
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	14	0.22
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	14	0.22
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	14	0.22
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	14	0.22
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	14	0.22
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	14	0.22
(1,2560)	1:B:39:LYS:HE3	1:B:39:LYS:HB3	9	0.22
(1,2560)	1:B:51:LYS:HE2	1:B:54:ILE:HB	9	0.22
(1,2560)	1:B:51:LYS:HE3	1:B:54:ILE:HB	9	0.22
(1,2557)	1:A:39:LYS:HE2	1:A:39:LYS:HB3	9	0.22
(1,2557)	1:A:39:LYS:HE3	1:A:39:LYS:HB3	9	0.22
(1,2557)	1:A:39:LYS:HE2	1:A:39:LYS:HB3	18	0.22
(1,2557)	1:A:39:LYS:HE3	1:A:39:LYS:HB3	18	0.22
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	2	0.22
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	2	0.22
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	2	0.22
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	2	0.22
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	2	0.22
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	2	0.22
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	20	0.22
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	10	0.22
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	10	0.22
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	20	0.22
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	20	0.22
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	20	0.22
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	20	0.22
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	20	0.22
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	20	0.22
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	20	0.22
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	20	0.22
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	20	0.22
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	20	0.22
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	20	0.22
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	20	0.22
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	20	0.22
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	20	0.22
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE2	17	0.22
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE3	17	0.22
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	17	0.22
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	17	0.22
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	18	0.22
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	18	0.22
(2,9)	1:A:80:ILE:H	1:A:91:LYS:HD3	2	0.21
(2,72)	1:B:32:GLU:HB2	1:B:36:LEU:HB2	13	0.21
(2,58)	1:B:32:GLU:HB2	1:B:35:GLN:HB2	15	0.21
(2,57)	1:A:32:GLU:HB2	1:A:35:GLN:HB2	15	0.21
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	18	0.21
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	18	0.21
(2,10)	1:B:80:ILE:H	1:B:91:LYS:HD3	2	0.21
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG22	1	0.21
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG21	1	0.21
(1,824)	1:B:75:ILE:HG13	1:B:75:ILE:HG23	1	0.21
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG22	1	0.21
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG21	1	0.21
(1,823)	1:A:75:ILE:HG13	1:A:75:ILE:HG23	1	0.21
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	7	0.21
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	7	0.21
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	16	0.21
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	16	0.21
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	16	0.21
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	16	0.21
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	16	0.21
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	16	0.21
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	16	0.21
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	16	0.21
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	16	0.21
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	16	0.21
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	16	0.21
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	16	0.21
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	4	0.21
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	4	0.21
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	4	0.21
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	4	0.21
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	7	0.21
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	7	0.21
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	7	0.21
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	7	0.21
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	4	0.21
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	4	0.21
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	4	0.21
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	4	0.21
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	19	0.21
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	19	0.21
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	19	0.21
(1,36)	1:B:90:HIS:H	1:B:89:THR:HB	6	0.21
(1,3580)	1:B:8:LEU:H	1:B:78:VAL:HB	8	0.21
(1,3580)	1:B:8:LEU:H	1:A:40:GLU:HB3	8	0.21
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB2	8	0.21
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB3	8	0.21
(1,3580)	1:B:8:LEU:H	1:A:78:VAL:HB	8	0.21
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	5	0.21
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	5	0.21
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	5	0.21
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	9	0.21
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	9	0.21
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	9	0.21
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	9	0.21
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	4	0.21
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	4	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	4	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	4	0.21
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	5	0.21
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	5	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	5	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	5	0.21
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	6	0.21
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	6	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	6	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	6	0.21
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	9	0.21
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	9	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	9	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	9	0.21
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	14	0.21
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	14	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	14	0.21
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	14	0.21
(1,35)	1:A:90:HIS:H	1:A:89:THR:HB	6	0.21
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	13	0.21
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	13	0.21
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	13	0.21
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	13	0.21
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	14	0.21
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	14	0.21
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	14	0.21
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	14	0.21
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	14	0.21
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	14	0.21
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	14	0.21
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	14	0.21
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE2	2	0.21
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE3	2	0.21
(1,3444)	1:B:41:LEU:H	1:B:43:ASN:HB2	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE2	2	0.21
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE3	2	0.21
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE2	2	0.21
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE3	2	0.21
(1,3443)	1:A:41:LEU:H	1:A:43:ASN:HB2	2	0.21
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE2	2	0.21
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE3	2	0.21
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	12	0.21
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	12	0.21
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	12	0.21
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	12	0.21
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	12	0.21
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	12	0.21
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	12	0.21
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	12	0.21
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	12	0.21
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	12	0.21
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	12	0.21
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	12	0.21
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	15	0.21
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	15	0.21
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	15	0.21
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	15	0.21
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	15	0.21
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	15	0.21
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	15	0.21
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	15	0.21
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	15	0.21
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	15	0.21
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	15	0.21
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	15	0.21
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	15	0.21
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	15	0.21
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	15	0.21
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	16	0.21
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	16	0.21
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	16	0.21
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	16	0.21
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	16	0.21
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	16	0.21
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	16	0.21
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	16	0.21
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	16	0.21
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	16	0.21
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	16	0.21
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	16	0.21
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	16	0.21
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	16	0.21
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	15	0.21
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	15	0.21
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	15	0.21
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	15	0.21
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	15	0.21
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	15	0.21
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	15	0.21
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	15	0.21
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	15	0.21
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	15	0.21
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	15	0.21
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	15	0.21
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	15	0.21
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	15	0.21
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	15	0.21
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	16	0.21
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	16	0.21
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	16	0.21
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	16	0.21
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	16	0.21
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	16	0.21
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	16	0.21
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	16	0.21
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	16	0.21
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	16	0.21
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	16	0.21
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	16	0.21
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	16	0.21
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	16	0.21
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	16	0.21
(1,296)	1:B:83:LYS:HB3	1:B:80:ILE:HA	8	0.21
(1,295)	1:A:83:LYS:HB3	1:A:80:ILE:HA	8	0.21
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	2	0.21
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	2	0.21
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	2	0.21
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	2	0.21
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	2	0.21
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	2	0.21
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	2	0.21
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	1	0.21
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	1	0.21
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	1	0.21
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	1	0.21
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	2	0.21
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	2	0.21
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	2	0.21
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	2	0.21
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	1	0.21
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	1	0.21
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	1	0.21
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	1	0.21
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	2	0.21
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	2	0.21
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	2	0.21
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	2	0.21
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	16	0.21
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	16	0.21
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	16	0.21
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	16	0.21
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	15	0.21
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	15	0.21
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	15	0.21
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	15	0.21
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	15	0.21
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	15	0.21
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	15	0.21
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	15	0.21
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	15	0.21
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	15	0.21
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	15	0.21
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	15	0.21
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	15	0.21
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	15	0.21
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	15	0.21
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	15	0.21
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	15	0.21
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	15	0.21
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	15	0.21
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	15	0.21
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	15	0.21
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	15	0.21
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	15	0.21
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	15	0.21
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	15	0.21
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	15	0.21
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	15	0.21
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	15	0.21
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	15	0.21
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	15	0.21
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	15	0.21
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	15	0.21
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	15	0.21
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	15	0.21
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	15	0.21
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	15	0.21
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	15	0.21
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	15	0.21
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	15	0.21
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	13	0.21
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	13	0.21
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	13	0.21
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	13	0.21
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	13	0.21
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	13	0.21
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	13	0.21
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	13	0.21
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	13	0.21
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	13	0.21
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	13	0.21
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	13	0.21
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	15	0.21
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	15	0.21
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	15	0.21
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	15	0.21
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	15	0.21
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	15	0.21
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	7	0.21
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	7	0.21
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	7	0.21
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	7	0.21
(1,2558)	1:B:39:LYS:HE2	1:B:39:LYS:HB3	9	0.21
(1,2558)	1:B:39:LYS:HE3	1:B:39:LYS:HB3	9	0.21
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	10	0.21
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	10	0.21
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	17	0.21
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	17	0.21
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	17	0.21
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	17	0.21
(1,2238)	1:B:46:LYS:HE2	1:B:53:VAL:HA	19	0.21
(1,2238)	1:B:46:LYS:HE3	1:B:53:VAL:HA	19	0.21
(1,2238)	1:B:50:ASP:HB2	1:B:53:VAL:HA	19	0.21
(1,2237)	1:A:46:LYS:HE2	1:A:53:VAL:HA	19	0.21
(1,2237)	1:A:46:LYS:HE3	1:A:53:VAL:HA	19	0.21
(1,2237)	1:A:50:ASP:HB2	1:A:53:VAL:HA	19	0.21
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	7	0.21
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	7	0.21
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	7	0.21
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	7	0.21
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	7	0.21
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	7	0.21
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	7	0.21
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	7	0.21
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	7	0.21
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	7	0.21
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	7	0.21
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	7	0.21
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	7	0.21
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	7	0.21
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	7	0.21
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE2	5	0.21
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE3	5	0.21
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	5	0.21
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	5	0.21
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE2	17	0.21
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE3	17	0.21
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	17	0.21
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	17	0.21
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE2	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE3	5	0.21
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	5	0.21
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	5	0.21
(1,1988)	1:B:30:LYS:HD2	1:B:29:SER:HB3	10	0.21
(1,1988)	1:B:30:LYS:HD2	1:B:32:GLU:HA	10	0.21
(1,1988)	1:B:30:LYS:HD2	1:B:33:LEU:HA	10	0.21
(1,1988)	1:B:30:LYS:HD3	1:B:29:SER:HB3	10	0.21
(1,1988)	1:B:30:LYS:HD3	1:B:33:LEU:HA	10	0.21
(1,1988)	1:B:30:LYS:HD3	1:B:56:GLU:HA	10	0.21
(1,1987)	1:A:30:LYS:HD2	1:A:29:SER:HB3	10	0.21
(1,1987)	1:A:30:LYS:HD2	1:A:32:GLU:HA	10	0.21
(1,1987)	1:A:30:LYS:HD2	1:A:33:LEU:HA	10	0.21
(1,1987)	1:A:30:LYS:HD3	1:A:29:SER:HB3	10	0.21
(1,1987)	1:A:30:LYS:HD3	1:A:33:LEU:HA	10	0.21
(1,1987)	1:A:30:LYS:HD3	1:A:56:GLU:HA	10	0.21
(1,1846)	1:B:30:LYS:HB2	1:B:62:ASP:H	14	0.21
(1,1846)	1:B:48:ILE:HG12	1:B:53:VAL:H	14	0.21
(1,1846)	1:B:54:ILE:H	1:B:48:ILE:HG12	14	0.21
(1,1845)	1:A:30:LYS:HB2	1:A:62:ASP:H	14	0.21
(1,1845)	1:A:48:ILE:HG12	1:A:53:VAL:H	14	0.21
(1,1845)	1:A:54:ILE:H	1:A:48:ILE:HG12	14	0.21
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	4	0.21
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	4	0.21
(2,72)	1:B:32:GLU:HB2	1:B:36:LEU:HB2	2	0.2
(2,71)	1:A:32:GLU:HB2	1:A:36:LEU:HB2	2	0.2
(2,71)	1:A:32:GLU:HB2	1:A:36:LEU:HB2	13	0.2
(2,126)	1:B:63:ALA:H	1:B:64:ASN:HB3	17	0.2
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	2	0.2
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	2	0.2
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	10	0.2
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	10	0.2
(1,420)	1:B:53:VAL:HB	1:B:50:ASP:HB2	18	0.2
(1,419)	1:A:53:VAL:HB	1:A:50:ASP:HB2	18	0.2
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	16	0.2
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	2	0.2
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	2	0.2
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	2	0.2
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	2	0.2
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	11	0.2
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	11	0.2
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	11	0.2
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	19	0.2
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	19	0.2
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	19	0.2
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	19	0.2
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	11	0.2
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	11	0.2
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	11	0.2
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	11	0.2
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	19	0.2
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	19	0.2
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	19	0.2
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	19	0.2
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	5	0.2
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	5	0.2
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	5	0.2
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	5	0.2
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	5	0.2
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	5	0.2
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD2	10	0.2
(1,3602)	1:B:57:ILE:H	1:B:51:LYS:HD3	10	0.2
(1,3602)	1:B:57:ILE:H	1:B:54:ILE:HG13	10	0.2
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD2	10	0.2
(1,3601)	1:A:57:ILE:H	1:A:51:LYS:HD3	10	0.2
(1,3601)	1:A:57:ILE:H	1:A:54:ILE:HG13	10	0.2
(1,3579)	1:A:8:LEU:H	1:A:78:VAL:HB	8	0.2
(1,3579)	1:A:8:LEU:H	1:B:40:GLU:HB3	8	0.2
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB2	8	0.2
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB3	8	0.2
(1,3579)	1:A:8:LEU:H	1:B:78:VAL:HB	8	0.2
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	6	0.2
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	6	0.2
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	6	0.2
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	6	0.2
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	10	0.2
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	10	0.2
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	10	0.2
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	10	0.2
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	18	0.2
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	18	0.2
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	18	0.2
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	18	0.2
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	20	0.2
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	20	0.2
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	20	0.2
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	3	0.2
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	3	0.2
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	3	0.2
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	3	0.2
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	10	0.2
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	10	0.2
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	10	0.2
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	10	0.2
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	18	0.2
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	18	0.2
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	18	0.2
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	18	0.2
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	20	0.2
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	20	0.2
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	20	0.2
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	20	0.2
(1,3501)	1:A:67:GLU:H	1:A:66:ASP:HB3	19	0.2
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG2	19	0.2
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG3	19	0.2
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	10	0.2
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	10	0.2
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	3	0.2
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	3	0.2
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	3	0.2
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	3	0.2
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	3	0.2
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	3	0.2
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	3	0.2
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	3	0.2
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	13	0.2
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	13	0.2
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	13	0.2
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	13	0.2
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	5	0.2
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	5	0.2
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	5	0.2
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	5	0.2
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	5	0.2
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	5	0.2
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	5	0.2
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	5	0.2
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	5	0.2
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	5	0.2
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	5	0.2
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	14	0.2
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	14	0.2
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	14	0.2
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	14	0.2
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	14	0.2
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	14	0.2
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	14	0.2
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	14	0.2
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	14	0.2
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	14	0.2
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	14	0.2
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	14	0.2
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	14	0.2
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	14	0.2
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	14	0.2
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	14	0.2
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	14	0.2
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	14	0.2
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	14	0.2
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	14	0.2
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	14	0.2
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	14	0.2
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	14	0.2
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	14	0.2
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	14	0.2
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	14	0.2
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	14	0.2
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	14	0.2
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	14	0.2
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	14	0.2
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	3	0.2
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	3	0.2
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	3	0.2
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	3	0.2
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	5	0.2
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	5	0.2
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	5	0.2
(1,2882)	1:B:48:ILE:HG12	1:B:54:ILE:HA	12	0.2
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD12	12	0.2
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD11	12	0.2
(1,2882)	1:B:54:ILE:HA	1:B:54:ILE:HD13	12	0.2
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	3	0.2
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	3	0.2
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	3	0.2
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	3	0.2
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	5	0.2
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	5	0.2
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	5	0.2
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	5	0.2
(1,2881)	1:A:48:ILE:HG12	1:A:54:ILE:HA	12	0.2
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD12	12	0.2
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD11	12	0.2
(1,2881)	1:A:54:ILE:HA	1:A:54:ILE:HD13	12	0.2
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	20	0.2
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	20	0.2
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	20	0.2
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	20	0.2
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	20	0.2
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	20	0.2
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	20	0.2
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	20	0.2
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	20	0.2
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	20	0.2
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	20	0.2
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	20	0.2
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	20	0.2
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	20	0.2
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	20	0.2
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	20	0.2
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	20	0.2
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	20	0.2
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	20	0.2
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	20	0.2
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	20	0.2
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	20	0.2
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	20	0.2
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	20	0.2
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	20	0.2
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	20	0.2
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	20	0.2
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	20	0.2
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	20	0.2
(1,2800)	1:B:67:GLU:HG2	1:B:62:ASP:HB3	7	0.2
(1,2800)	1:B:67:GLU:HG3	1:B:62:ASP:HB3	7	0.2
(1,2800)	1:B:63:ALA:HB2	1:B:67:GLU:HG2	7	0.2
(1,2800)	1:B:63:ALA:HB2	1:B:67:GLU:HG3	7	0.2
(1,2800)	1:B:63:ALA:HB1	1:B:67:GLU:HG2	7	0.2
(1,2800)	1:B:63:ALA:HB1	1:B:67:GLU:HG3	7	0.2
(1,2800)	1:B:63:ALA:HB3	1:B:67:GLU:HG2	7	0.2
(1,2800)	1:B:63:ALA:HB3	1:B:67:GLU:HG3	7	0.2
(1,2799)	1:A:67:GLU:HG2	1:A:62:ASP:HB3	7	0.2
(1,2799)	1:A:67:GLU:HG3	1:A:62:ASP:HB3	7	0.2
(1,2799)	1:A:63:ALA:HB2	1:A:67:GLU:HG2	7	0.2
(1,2799)	1:A:63:ALA:HB2	1:A:67:GLU:HG3	7	0.2
(1,2799)	1:A:63:ALA:HB1	1:A:67:GLU:HG2	7	0.2
(1,2799)	1:A:63:ALA:HB1	1:A:67:GLU:HG3	7	0.2
(1,2799)	1:A:63:ALA:HB3	1:A:67:GLU:HG2	7	0.2
(1,2799)	1:A:63:ALA:HB3	1:A:67:GLU:HG3	7	0.2
(1,2733)	1:A:31:GLY:HA3	1:A:36:LEU:HB2	8	0.2
(1,2733)	1:A:51:LYS:HD2	1:A:31:GLY:HA3	8	0.2
(1,2733)	1:A:51:LYS:HD3	1:A:31:GLY:HA3	8	0.2
(1,2733)	1:A:54:ILE:HG13	1:A:31:GLY:HA3	8	0.2
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	8	0.2
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	8	0.2
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	8	0.2
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	8	0.2
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	8	0.2
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	8	0.2
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	8	0.2
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	8	0.2
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	8	0.2
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	8	0.2
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	8	0.2
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	8	0.2
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	8	0.2
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	8	0.2
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	8	0.2
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	8	0.2
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	8	0.2
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	8	0.2
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	8	0.2
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	7	0.2
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	7	0.2
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	7	0.2
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	7	0.2
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	7	0.2
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB2	9	0.2
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB2	9	0.2
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB2	9	0.2
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB3	9	0.2
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB3	9	0.2
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB3	9	0.2
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB2	9	0.2
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB3	9	0.2
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB2	9	0.2
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB3	9	0.2
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB2	9	0.2
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB3	9	0.2
(1,2591)	1:A:89:THR:HG21	1:A:83:LYS:HB2	9	0.2
(1,2591)	1:A:89:THR:HG22	1:A:83:LYS:HB2	9	0.2
(1,2591)	1:A:89:THR:HG23	1:A:83:LYS:HB2	9	0.2
(1,2591)	1:A:89:THR:HG21	1:A:83:LYS:HB3	9	0.2
(1,2591)	1:A:89:THR:HG22	1:A:83:LYS:HB3	9	0.2
(1,2591)	1:A:89:THR:HG23	1:A:83:LYS:HB3	9	0.2
(1,2591)	1:A:89:THR:HG21	1:B:9:GLU:HB2	9	0.2
(1,2591)	1:A:89:THR:HG21	1:B:9:GLU:HB3	9	0.2
(1,2591)	1:A:89:THR:HG22	1:B:9:GLU:HB2	9	0.2
(1,2591)	1:A:89:THR:HG22	1:B:9:GLU:HB3	9	0.2
(1,2591)	1:A:89:THR:HG23	1:B:9:GLU:HB2	9	0.2
(1,2591)	1:A:89:THR:HG23	1:B:9:GLU:HB3	9	0.2
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	5	0.2
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	5	0.2
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	9	0.2
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	9	0.2
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	5	0.2
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	5	0.2
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	9	0.2
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	9	0.2
(1,2329)	1:A:39:LYS:HE3	1:A:35:GLN:HB2	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	19	0.2
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	19	0.2
(1,2314)	1:B:54:ILE:HB	1:B:55:ASP:HB2	18	0.2
(1,2314)	1:B:54:ILE:HB	1:B:55:ASP:HB3	18	0.2
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB2	18	0.2
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB3	18	0.2
(1,2302)	1:B:51:LYS:HE2	1:B:55:ASP:HB2	13	0.2
(1,2302)	1:B:51:LYS:HE3	1:B:55:ASP:HB2	13	0.2
(1,2302)	1:B:39:LYS:HE2	1:B:35:GLN:HB2	13	0.2
(1,2302)	1:B:39:LYS:HE3	1:B:35:GLN:HB2	13	0.2
(1,2301)	1:A:51:LYS:HE2	1:A:55:ASP:HB2	13	0.2
(1,2301)	1:A:51:LYS:HE3	1:A:55:ASP:HB2	13	0.2
(1,2301)	1:A:39:LYS:HE2	1:A:35:GLN:HB2	13	0.2
(1,2301)	1:A:39:LYS:HE3	1:A:35:GLN:HB2	13	0.2
(1,2300)	1:B:53:VAL:HA	1:B:50:ASP:HB3	6	0.2
(1,2300)	1:B:53:VAL:HA	1:B:55:ASP:HB2	6	0.2
(1,2300)	1:B:53:VAL:HA	1:B:50:ASP:HB3	7	0.2
(1,2300)	1:B:53:VAL:HA	1:B:55:ASP:HB2	7	0.2
(1,2299)	1:A:53:VAL:HA	1:A:50:ASP:HB3	4	0.2
(1,2299)	1:A:53:VAL:HA	1:A:55:ASP:HB2	4	0.2
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	15	0.2
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	15	0.2
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	15	0.2
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	15	0.2
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	15	0.2
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	15	0.2
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	15	0.2
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	15	0.2
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	15	0.2
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	15	0.2
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	15	0.2
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	15	0.2
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	15	0.2
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	15	0.2
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	15	0.2
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	7	0.2
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	7	0.2
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	7	0.2
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	7	0.2
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	7	0.2
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	7	0.2
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	7	0.2
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	7	0.2
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	7	0.2
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	7	0.2
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	7	0.2
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	7	0.2
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	7	0.2
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	7	0.2
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	15	0.2
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	15	0.2
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	15	0.2
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	15	0.2
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	15	0.2
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	15	0.2
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	15	0.2
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	15	0.2
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	15	0.2
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	15	0.2
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	15	0.2
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	15	0.2
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	15	0.2
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	15	0.2
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	15	0.2
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE2	10	0.2
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE3	10	0.2
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	10	0.2
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	10	0.2
(1,2192)	1:B:46:LYS:HE2	1:B:90:HIS:HB2	11	0.2
(1,2192)	1:B:46:LYS:HE3	1:B:90:HIS:HB2	11	0.2
(1,2192)	1:B:90:HIS:HB2	1:B:87:TYR:HB2	11	0.2
(1,2192)	1:B:90:HIS:HB2	1:B:87:TYR:HB3	11	0.2
(1,2191)	1:A:46:LYS:HE2	1:A:90:HIS:HB2	11	0.2
(1,2191)	1:A:46:LYS:HE3	1:A:90:HIS:HB2	11	0.2
(1,2191)	1:A:90:HIS:HB2	1:A:87:TYR:HB2	11	0.2
(1,2191)	1:A:90:HIS:HB2	1:A:87:TYR:HB3	11	0.2
(1,2169)	1:A:59:GLN:HA	1:A:58:PHE:HB2	13	0.2
(1,2169)	1:A:86:HIS:HA	1:A:88:HIS:HB3	13	0.2
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	2	0.2
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	2	0.2
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	20	0.2
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	20	0.2
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD22	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD21	6	0.2
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD23	6	0.2
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD12	6	0.2
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD11	6	0.2
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD13	6	0.2
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	6	0.2
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	6	0.2
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	6	0.2
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	6	0.2
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	6	0.2
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	6	0.2
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD22	6	0.2
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD21	6	0.2
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD23	6	0.2
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD12	6	0.2
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD11	6	0.2
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD13	6	0.2
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	6	0.2
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	6	0.2
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	6	0.2
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	6	0.2
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	6	0.2
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	6	0.2
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	11	0.2
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	11	0.2
(2,58)	1:B:32:GLU:HB2	1:B:35:GLN:HB2	2	0.19
(2,57)	1:A:32:GLU:HB2	1:A:35:GLN:HB2	2	0.19
(2,125)	1:A:63:ALA:H	1:A:64:ASN:HB3	17	0.19
(1,82)	1:B:49:LYS:H	1:B:47:ASN:HB3	8	0.19
(1,81)	1:A:49:LYS:H	1:A:47:ASN:HB3	8	0.19
(1,650)	1:B:49:LYS:HG2	1:B:49:LYS:HA	9	0.19
(1,650)	1:B:49:LYS:HG3	1:B:49:LYS:HA	9	0.19
(1,649)	1:A:49:LYS:HG2	1:A:49:LYS:HA	9	0.19
(1,649)	1:A:49:LYS:HG3	1:A:49:LYS:HA	9	0.19
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	2	0.19
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	2	0.19
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	16	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	15	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	15	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	15	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	15	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	15	0.19
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	15	0.19
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	15	0.19
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	15	0.19
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	15	0.19
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	15	0.19
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	15	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	17	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	17	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	17	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	17	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	17	0.19
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	17	0.19
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	17	0.19
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	17	0.19
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	17	0.19
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	17	0.19
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	17	0.19
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	17	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	15	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	17	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	17	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	17	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	17	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	17	0.19
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	17	0.19
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	17	0.19
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	17	0.19
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	17	0.19
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	17	0.19
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	17	0.19
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG22	11	0.19
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG21	11	0.19
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG23	11	0.19
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG22	11	0.19
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG21	11	0.19
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG23	11	0.19
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG22	17	0.19
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG21	17	0.19
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG23	17	0.19
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG22	17	0.19
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG21	17	0.19
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG23	17	0.19
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG22	11	0.19
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG21	11	0.19
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG23	11	0.19
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG22	11	0.19
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG21	11	0.19
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG23	11	0.19
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG22	17	0.19
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG21	17	0.19
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG23	17	0.19
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG22	17	0.19
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG21	17	0.19
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG23	17	0.19
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	13	0.19
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	13	0.19
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	13	0.19
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	13	0.19
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	13	0.19
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	13	0.19
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	13	0.19
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	13	0.19
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	13	0.19
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	13	0.19
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	13	0.19
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	13	0.19
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	13	0.19
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	13	0.19
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	13	0.19
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	13	0.19
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	13	0.19
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	13	0.19
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	13	0.19
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	13	0.19
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	13	0.19
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	13	0.19
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	13	0.19
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	9	0.19
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	9	0.19
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	9	0.19
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	9	0.19
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	3	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	3	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	3	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	3	0.19
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	9	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	9	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	9	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	9	0.19
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	13	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	13	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	13	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	13	0.19
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	17	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	17	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	17	0.19
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	17	0.19
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	2	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	2	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	2	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	2	0.19
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	3	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	3	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	3	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	3	0.19
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	9	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	9	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	9	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	9	0.19
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	13	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	13	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	13	0.19
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	17	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	17	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	17	0.19
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	17	0.19
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	8	0.19
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	8	0.19
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	8	0.19
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	3	0.19
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	3	0.19
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	3	0.19
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	3	0.19
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	7	0.19
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	7	0.19
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	7	0.19
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	7	0.19
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	15	0.19
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	15	0.19
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	15	0.19
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	15	0.19
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	7	0.19
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	7	0.19
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	7	0.19
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	7	0.19
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	12	0.19
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	12	0.19
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	12	0.19
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	12	0.19
(1,3502)	1:B:67:GLU:H	1:B:66:ASP:HB3	19	0.19
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG2	19	0.19
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG3	19	0.19
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	10	0.19
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	10	0.19
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	12	0.19
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	12	0.19
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	16	0.19
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	16	0.19
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	12	0.19
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	12	0.19
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	4	0.19
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	4	0.19
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	4	0.19
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	11	0.19
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	11	0.19
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	11	0.19
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	11	0.19
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	4	0.19
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	4	0.19
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	4	0.19
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	4	0.19
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	11	0.19
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	11	0.19
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	11	0.19
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	11	0.19
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	7	0.19
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	7	0.19
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	7	0.19
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	7	0.19
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	7	0.19
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	7	0.19
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	7	0.19
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	7	0.19
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	7	0.19
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	7	0.19
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	7	0.19
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	7	0.19
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	7	0.19
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	7	0.19
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	7	0.19
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	7	0.19
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	7	0.19
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	7	0.19
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	7	0.19
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	7	0.19
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	7	0.19
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	7	0.19
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	7	0.19
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	7	0.19
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	7	0.19
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	7	0.19
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	7	0.19
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	7	0.19
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	7	0.19
(1,296)	1:B:83:LYS:HB3	1:B:80:ILE:HA	3	0.19
(1,295)	1:A:83:LYS:HB3	1:A:80:ILE:HA	3	0.19
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	18	0.19
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	18	0.19
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	18	0.19
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	18	0.19
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	18	0.19
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	20	0.19
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	20	0.19
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	20	0.19
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	20	0.19
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	20	0.19
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	18	0.19
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	18	0.19
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	18	0.19
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	18	0.19
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	18	0.19
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	20	0.19
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	20	0.19
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	20	0.19
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	20	0.19
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	20	0.19
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	9	0.19
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	9	0.19
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	9	0.19
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	9	0.19
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	9	0.19
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	9	0.19
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	9	0.19
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	9	0.19
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	9	0.19
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	9	0.19
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	9	0.19
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	9	0.19
(1,2734)	1:B:31:GLY:HA3	1:B:36:LEU:HB2	8	0.19
(1,2734)	1:B:51:LYS:HD2	1:B:31:GLY:HA3	8	0.19
(1,2734)	1:B:51:LYS:HD3	1:B:31:GLY:HA3	8	0.19
(1,2734)	1:B:54:ILE:HG13	1:B:31:GLY:HA3	8	0.19
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	11	0.19
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	11	0.19
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	14	0.19
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	14	0.19
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	14	0.19
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	11	0.19
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	11	0.19
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	11	0.19
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	1	0.19
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	1	0.19
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	1	0.19
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	1	0.19
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	1	0.19
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	1	0.19
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	1	0.19
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	1	0.19
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	1	0.19
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	1	0.19
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	1	0.19
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	1	0.19
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	7	0.19
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	7	0.19
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	7	0.19
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	12	0.19
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	12	0.19
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	12	0.19
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	7	0.19
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	7	0.19
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	7	0.19
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	12	0.19
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	12	0.19
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	12	0.19
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	6	0.19
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	6	0.19
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	14	0.19
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	14	0.19
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	6	0.19
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	6	0.19
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	14	0.19
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	14	0.19
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	2	0.19
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	2	0.19
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	16	0.19
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	2	0.19
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	2	0.19
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	16	0.19
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	16	0.19
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG2	11	0.19
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG3	11	0.19
(1,2386)	1:B:8:LEU:HB2	1:B:12:VAL:HB	11	0.19
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG2	11	0.19
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG3	11	0.19
(1,2386)	1:B:8:LEU:HB3	1:B:12:VAL:HB	11	0.19
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG2	11	0.19
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG3	11	0.19
(1,2385)	1:A:8:LEU:HB2	1:A:12:VAL:HB	11	0.19
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG2	11	0.19
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG3	11	0.19
(1,2385)	1:A:8:LEU:HB3	1:A:12:VAL:HB	11	0.19
(1,2330)	1:B:39:LYS:HE3	1:B:35:GLN:HB2	19	0.19
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	19	0.19
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	19	0.19
(1,2300)	1:B:53:VAL:HA	1:B:50:ASP:HB3	4	0.19
(1,2300)	1:B:53:VAL:HA	1:B:55:ASP:HB2	4	0.19
(1,2299)	1:A:53:VAL:HA	1:A:50:ASP:HB3	6	0.19
(1,2299)	1:A:53:VAL:HA	1:A:55:ASP:HB2	6	0.19
(1,2299)	1:A:53:VAL:HA	1:A:50:ASP:HB3	7	0.19
(1,2299)	1:A:53:VAL:HA	1:A:55:ASP:HB2	7	0.19
(1,2240)	1:B:61:LEU:HB2	1:B:74:PHE:HB2	16	0.19
(1,2240)	1:B:61:LEU:HB2	1:B:74:PHE:HB3	16	0.19
(1,2240)	1:B:61:LEU:HB2	1:B:75:ILE:HA	16	0.19
(1,2239)	1:A:61:LEU:HB2	1:A:74:PHE:HB2	16	0.19
(1,2239)	1:A:61:LEU:HB2	1:A:74:PHE:HB3	16	0.19
(1,2239)	1:A:61:LEU:HB2	1:A:75:ILE:HA	16	0.19
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	2	0.19
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	2	0.19
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	2	0.19
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	2	0.19
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	2	0.19
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	2	0.19
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	2	0.19
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	2	0.19
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	2	0.19
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	2	0.19
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	2	0.19
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	2	0.19
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	2	0.19
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	2	0.19
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	2	0.19
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	2	0.19
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	2	0.19
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	2	0.19
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	2	0.19
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	2	0.19
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	2	0.19
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	2	0.19
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	2	0.19
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	2	0.19
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	2	0.19
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	2	0.19
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	2	0.19
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	2	0.19
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	2	0.19
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE2	8	0.19
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE3	8	0.19
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	8	0.19
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	8	0.19
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE2	20	0.19
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE3	20	0.19
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	20	0.19
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	20	0.19
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE2	8	0.19
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE3	8	0.19
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	8	0.19
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	8	0.19
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE2	10	0.19
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE3	10	0.19
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	10	0.19
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	10	0.19
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE2	18	0.19
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE3	18	0.19
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	18	0.19
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	18	0.19
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE2	20	0.19
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE3	20	0.19
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	20	0.19
(1,2170)	1:B:59:GLN:HA	1:B:58:PHE:HB2	13	0.19
(1,2170)	1:B:86:HIS:HA	1:B:88:HIS:HB3	13	0.19
(1,2026)	1:B:82:LEU:HD12	1:B:82:LEU:HA	9	0.19
(1,2026)	1:B:82:LEU:HD11	1:B:82:LEU:HA	9	0.19
(1,2026)	1:B:82:LEU:HD13	1:B:82:LEU:HA	9	0.19
(1,2026)	1:B:82:LEU:HD12	1:A:8:LEU:HA	9	0.19
(1,2026)	1:B:82:LEU:HD11	1:A:8:LEU:HA	9	0.19
(1,2026)	1:B:82:LEU:HD13	1:A:8:LEU:HA	9	0.19
(1,2025)	1:A:82:LEU:HD12	1:A:82:LEU:HA	9	0.19
(1,2025)	1:A:82:LEU:HD11	1:A:82:LEU:HA	9	0.19
(1,2025)	1:A:82:LEU:HD13	1:A:82:LEU:HA	9	0.19
(1,2025)	1:A:82:LEU:HD12	1:B:8:LEU:HA	9	0.19
(1,2025)	1:A:82:LEU:HD11	1:B:8:LEU:HA	9	0.19
(1,2025)	1:A:82:LEU:HD13	1:B:8:LEU:HA	9	0.19
(1,1936)	1:B:54:ILE:HG12	1:B:49:LYS:HA	9	0.19
(1,1936)	1:B:83:LYS:HD2	1:B:84:ALA:HA	9	0.19
(1,1936)	1:B:83:LYS:HD3	1:B:84:ALA:HA	9	0.19
(1,1936)	1:B:83:LYS:HD2	1:B:87:TYR:HA	9	0.19
(1,1936)	1:B:83:LYS:HD3	1:B:87:TYR:HA	9	0.19
(1,1936)	1:B:83:LYS:HD2	1:B:91:LYS:HA	9	0.19
(1,1936)	1:B:83:LYS:HD3	1:B:91:LYS:HA	9	0.19
(1,1936)	1:B:91:LYS:HD2	1:B:84:ALA:HA	9	0.19
(1,1936)	1:B:91:LYS:HD2	1:B:91:LYS:HA	9	0.19
(1,1935)	1:A:54:ILE:HG12	1:A:49:LYS:HA	9	0.19
(1,1935)	1:A:83:LYS:HD2	1:A:84:ALA:HA	9	0.19
(1,1935)	1:A:83:LYS:HD3	1:A:84:ALA:HA	9	0.19
(1,1935)	1:A:83:LYS:HD2	1:A:87:TYR:HA	9	0.19
(1,1935)	1:A:83:LYS:HD3	1:A:87:TYR:HA	9	0.19
(1,1935)	1:A:83:LYS:HD2	1:A:91:LYS:HA	9	0.19
(1,1935)	1:A:83:LYS:HD3	1:A:91:LYS:HA	9	0.19
(1,1935)	1:A:91:LYS:HD2	1:A:84:ALA:HA	9	0.19
(1,1935)	1:A:91:LYS:HD2	1:A:91:LYS:HA	9	0.19
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	5	0.19
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	5	0.19
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	20	0.19
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	20	0.19
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	2	0.19
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	2	0.19
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	5	0.19
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	5	0.19
(1,1854)	1:B:53:VAL:H	1:B:55:ASP:HB2	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1854)	1:B:54:ILE:H	1:B:55:ASP:HB2	12	0.19
(1,1853)	1:A:53:VAL:H	1:A:55:ASP:HB2	12	0.19
(1,1853)	1:A:54:ILE:H	1:A:55:ASP:HB2	12	0.19
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	2	0.19
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	2	0.19
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	2	0.19
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	2	0.19
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	2	0.19
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	2	0.19
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	2	0.19
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	2	0.19
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	2	0.19
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	2	0.19
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	2	0.19
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	2	0.19
(1,1696)	1:B:83:LYS:HE2	1:A:71:PHE:HB2	10	0.19
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	10	0.19
(1,1696)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	10	0.19
(1,1696)	1:B:83:LYS:HE3	1:A:71:PHE:HB2	10	0.19
(1,1560)	1:B:77:LEU:H	1:B:61:LEU:HB2	7	0.19
(1,1559)	1:A:77:LEU:H	1:A:61:LEU:HB2	7	0.19
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	2	0.19
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	2	0.19
(1,1454)	1:B:35:GLN:H	1:B:35:GLN:HG3	1	0.19
(1,1454)	1:B:35:GLN:H	1:B:35:GLN:HG3	6	0.19
(1,1454)	1:B:35:GLN:H	1:B:35:GLN:HG3	18	0.19
(1,1453)	1:A:35:GLN:H	1:A:35:GLN:HG3	1	0.19
(1,1453)	1:A:35:GLN:H	1:A:35:GLN:HG3	6	0.19
(1,1453)	1:A:35:GLN:H	1:A:35:GLN:HG3	18	0.19
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	16	0.19
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	16	0.19
(2,128)	1:B:18:TYR:H	1:B:36:LEU:HA	13	0.18
(2,127)	1:A:18:TYR:H	1:A:36:LEU:HA	13	0.18
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	10	0.18
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	10	0.18
(1,3693)	1:A:75:ILE:H	1:B:82:LEU:HG	9	0.18
(1,3693)	1:A:75:ILE:H	1:B:83:LYS:HG2	9	0.18
(1,3693)	1:A:75:ILE:H	1:B:83:LYS:HG3	9	0.18
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	1	0.18
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	1	0.18
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	1	0.18
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	12	0.18
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	12	0.18
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	12	0.18
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	12	0.18
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	1	0.18
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	1	0.18
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	1	0.18
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	1	0.18
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	12	0.18
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	12	0.18
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	12	0.18
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	12	0.18
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	16	0.18
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	16	0.18
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	16	0.18
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	16	0.18
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	2	0.18
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	2	0.18
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	2	0.18
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	2	0.18
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	2	0.18
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	2	0.18
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	3	0.18
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	3	0.18
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	3	0.18
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	8	0.18
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	8	0.18
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	8	0.18
(1,3579)	1:A:8:LEU:H	1:A:78:VAL:HB	20	0.18
(1,3579)	1:A:8:LEU:H	1:B:40:GLU:HB3	20	0.18
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB2	20	0.18
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB3	20	0.18
(1,3579)	1:A:8:LEU:H	1:B:78:VAL:HB	20	0.18
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	12	0.18
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	12	0.18
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	12	0.18
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	12	0.18
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	15	0.18
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	15	0.18
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	15	0.18
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	15	0.18
(1,3502)	1:B:67:GLU:H	1:B:66:ASP:HB3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG2	14	0.18
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG3	14	0.18
(1,3502)	1:B:67:GLU:H	1:B:66:ASP:HB3	17	0.18
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG2	17	0.18
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG3	17	0.18
(1,3501)	1:A:67:GLU:H	1:A:66:ASP:HB3	14	0.18
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG2	14	0.18
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG3	14	0.18
(1,3501)	1:A:67:GLU:H	1:A:66:ASP:HB3	17	0.18
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG2	17	0.18
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG3	17	0.18
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	16	0.18
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	16	0.18
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE2	4	0.18
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE3	4	0.18
(1,3444)	1:B:41:LEU:H	1:B:43:ASN:HB2	4	0.18
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE2	4	0.18
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE3	4	0.18
(1,3334)	1:B:69:VAL:H	1:B:29:SER:HB3	13	0.18
(1,3334)	1:B:69:VAL:H	1:B:33:LEU:HA	13	0.18
(1,3333)	1:A:69:VAL:H	1:A:29:SER:HB3	13	0.18
(1,3333)	1:A:69:VAL:H	1:A:33:LEU:HA	13	0.18
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	1	0.18
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	1	0.18
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	1	0.18
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	1	0.18
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	1	0.18
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	1	0.18
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	4	0.18
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	4	0.18
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	4	0.18
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	4	0.18
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	4	0.18
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	4	0.18
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	1	0.18
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	1	0.18
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	1	0.18
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	1	0.18
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	1	0.18
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	1	0.18
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	4	0.18
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	4	0.18
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	4	0.18
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	4	0.18
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	4	0.18
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	6	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	6	0.18
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	6	0.18
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	6	0.18
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	6	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	6	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	6	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	6	0.18
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	6	0.18
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	6	0.18
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	6	0.18
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	6	0.18
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	6	0.18
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	6	0.18
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	6	0.18
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	9	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	9	0.18
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	9	0.18
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	9	0.18
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	9	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	9	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	9	0.18
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	9	0.18
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	9	0.18
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	9	0.18
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	9	0.18
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	9	0.18
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	9	0.18
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	9	0.18
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	9	0.18
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	6	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	6	0.18
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	6	0.18
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	6	0.18
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	6	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	6	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	6	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	6	0.18
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	6	0.18
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	6	0.18
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	6	0.18
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	6	0.18
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	6	0.18
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	6	0.18
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	9	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	9	0.18
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	9	0.18
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	9	0.18
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	9	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	9	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	9	0.18
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	9	0.18
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	9	0.18
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	9	0.18
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	9	0.18
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	9	0.18
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	9	0.18
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	9	0.18
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	9	0.18
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	1	0.18
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	1	0.18
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	1	0.18
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	1	0.18
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	6	0.18
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	6	0.18
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	6	0.18
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	6	0.18
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	15	0.18
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	15	0.18
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	15	0.18
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	15	0.18
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	1	0.18
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	1	0.18
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	1	0.18
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	1	0.18
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	6	0.18
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	6	0.18
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	6	0.18
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	15	0.18
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	15	0.18
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	15	0.18
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	15	0.18
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	1	0.18
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	1	0.18
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	1	0.18
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	1	0.18
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	1	0.18
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	6	0.18
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	6	0.18
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	6	0.18
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	6	0.18
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	6	0.18
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	19	0.18
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	19	0.18
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	19	0.18
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	19	0.18
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	19	0.18
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	1	0.18
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	1	0.18
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	1	0.18
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	1	0.18
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	1	0.18
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	6	0.18
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	6	0.18
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	6	0.18
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	6	0.18
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	6	0.18
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	19	0.18
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	19	0.18
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	19	0.18
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	19	0.18
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	19	0.18
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	10	0.18
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	10	0.18
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	10	0.18
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	10	0.18
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	10	0.18
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	10	0.18
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	10	0.18
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	10	0.18
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	10	0.18
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	10	0.18
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	10	0.18
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	10	0.18
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	10	0.18
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	10	0.18
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	10	0.18
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	10	0.18
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	10	0.18
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	10	0.18
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	10	0.18
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	10	0.18
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	10	0.18
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	10	0.18
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	10	0.18
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	10	0.18
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	10	0.18
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	10	0.18
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	10	0.18
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	10	0.18
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	10	0.18
(1,2724)	1:B:84:ALA:HB2	1:B:91:LYS:HB2	12	0.18
(1,2724)	1:B:84:ALA:HB1	1:B:91:LYS:HB2	12	0.18
(1,2724)	1:B:84:ALA:HB3	1:B:91:LYS:HB2	12	0.18
(1,2724)	1:B:84:ALA:HB2	1:B:91:LYS:HD3	12	0.18
(1,2724)	1:B:84:ALA:HB1	1:B:91:LYS:HD3	12	0.18
(1,2724)	1:B:84:ALA:HB3	1:B:91:LYS:HD3	12	0.18
(1,2723)	1:A:84:ALA:HB2	1:A:91:LYS:HB2	12	0.18
(1,2723)	1:A:84:ALA:HB1	1:A:91:LYS:HB2	12	0.18
(1,2723)	1:A:84:ALA:HB3	1:A:91:LYS:HB2	12	0.18
(1,2723)	1:A:84:ALA:HB2	1:A:91:LYS:HD3	12	0.18
(1,2723)	1:A:84:ALA:HB1	1:A:91:LYS:HD3	12	0.18
(1,2723)	1:A:84:ALA:HB3	1:A:91:LYS:HD3	12	0.18
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	14	0.18
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	14	0.18
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	14	0.18
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	2	0.18
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	2	0.18
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	2	0.18
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	2	0.18
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	2	0.18
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	2	0.18
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	2	0.18
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	2	0.18
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	2	0.18
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	1	0.18
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	1	0.18
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	1	0.18
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	1	0.18
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	1	0.18
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	1	0.18
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	1	0.18
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	1	0.18
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	1	0.18
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	1	0.18
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	2	0.18
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	2	0.18
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	2	0.18
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	2	0.18
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	2	0.18
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	2	0.18
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	2	0.18
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	2	0.18
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	2	0.18
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	2	0.18
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	17	0.18
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	17	0.18
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	17	0.18
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	17	0.18
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	17	0.18
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	17	0.18
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	17	0.18
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	17	0.18
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	17	0.18
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	17	0.18
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	6	0.18
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	6	0.18
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	6	0.18
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	6	0.18
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	6	0.18
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	6	0.18
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	6	0.18
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	6	0.18
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	6	0.18
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	6	0.18
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	6	0.18
(1,2612)	1:B:51:LYS:HB2	1:B:50:ASP:HB2	4	0.18
(1,2612)	1:B:51:LYS:HB3	1:B:50:ASP:HB2	4	0.18
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	4	0.18
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	4	0.18
(1,2612)	1:B:91:LYS:HE2	1:B:80:ILE:HB	4	0.18
(1,2612)	1:B:91:LYS:HE3	1:B:80:ILE:HB	4	0.18
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	4	0.18
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	4	0.18
(1,2612)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	4	0.18
(1,2612)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	4	0.18
(1,2611)	1:A:51:LYS:HB2	1:A:50:ASP:HB2	4	0.18
(1,2611)	1:A:51:LYS:HB3	1:A:50:ASP:HB2	4	0.18
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	4	0.18
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	4	0.18
(1,2611)	1:A:91:LYS:HE2	1:A:80:ILE:HB	4	0.18
(1,2611)	1:A:91:LYS:HE3	1:A:80:ILE:HB	4	0.18
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	4	0.18
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	4	0.18
(1,2611)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	4	0.18
(1,2611)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	4	0.18
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	3	0.18
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	3	0.18
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	13	0.18
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	13	0.18
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	3	0.18
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	3	0.18
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	13	0.18
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	13	0.18
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	6	0.18
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	6	0.18
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	15	0.18
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	15	0.18
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	6	0.18
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	6	0.18
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	15	0.18
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	15	0.18
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	1	0.18
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	1	0.18
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	7	0.18
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	7	0.18
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	7	0.18
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	9	0.18
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	9	0.18
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	9	0.18
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	1	0.18
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	1	0.18
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	1	0.18
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	7	0.18
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	7	0.18
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	7	0.18
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG2	7	0.18
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG3	7	0.18
(1,2386)	1:B:8:LEU:HB2	1:B:12:VAL:HB	7	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG2	7	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG3	7	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:12:VAL:HB	7	0.18
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG2	10	0.18
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG3	10	0.18
(1,2386)	1:B:8:LEU:HB2	1:B:12:VAL:HB	10	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG2	10	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG3	10	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:12:VAL:HB	10	0.18
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG2	14	0.18
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG3	14	0.18
(1,2386)	1:B:8:LEU:HB2	1:B:12:VAL:HB	14	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG2	14	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG3	14	0.18
(1,2386)	1:B:8:LEU:HB3	1:B:12:VAL:HB	14	0.18
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG2	7	0.18
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG3	7	0.18
(1,2385)	1:A:8:LEU:HB2	1:A:12:VAL:HB	7	0.18
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG2	7	0.18
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG3	7	0.18
(1,2385)	1:A:8:LEU:HB3	1:A:12:VAL:HB	7	0.18
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG2	10	0.18
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG3	10	0.18
(1,2385)	1:A:8:LEU:HB2	1:A:12:VAL:HB	10	0.18
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG2	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG3	10	0.18
(1,2385)	1:A:8:LEU:HB3	1:A:12:VAL:HB	10	0.18
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	5	0.18
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	5	0.18
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	5	0.18
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	5	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	5	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	5	0.18
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	5	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	5	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	5	0.18
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	5	0.18
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	5	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	5	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	5	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	5	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	5	0.18
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	8	0.18
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	8	0.18
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	8	0.18
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	8	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	8	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	8	0.18
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	8	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	8	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	8	0.18
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	8	0.18
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	8	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	8	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	8	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	8	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	8	0.18
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	10	0.18
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	10	0.18
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	10	0.18
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	10	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	10	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	10	0.18
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	10	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	10	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	10	0.18
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	10	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	10	0.18
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	10	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	10	0.18
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	10	0.18
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	5	0.18
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	5	0.18
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	5	0.18
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	5	0.18
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	5	0.18
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	5	0.18
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	5	0.18
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	5	0.18
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	5	0.18
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	5	0.18
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	5	0.18
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	5	0.18
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	5	0.18
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	5	0.18
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	5	0.18
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE2	13	0.18
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE3	13	0.18
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	13	0.18
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	13	0.18
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE2	18	0.18
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE3	18	0.18
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	18	0.18
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	18	0.18
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE2	13	0.18
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE3	13	0.18
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	13	0.18
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	13	0.18
(1,2170)	1:B:59:GLN:HA	1:B:58:PHE:HB2	11	0.18
(1,2170)	1:B:86:HIS:HA	1:B:88:HIS:HB3	11	0.18
(1,2169)	1:A:59:GLN:HA	1:A:58:PHE:HB2	11	0.18
(1,2169)	1:A:86:HIS:HA	1:A:88:HIS:HB3	11	0.18
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	6	0.18
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	6	0.18
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	6	0.18
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	15	0.18
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	15	0.18
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	16	0.18
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	19	0.18
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	19	0.18
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	15	0.18
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	15	0.18
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	19	0.18
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	19	0.18
(1,1891)	1:A:46:LYS:HG2	1:A:90:HIS:HA	17	0.18
(1,1891)	1:A:46:LYS:HG3	1:A:90:HIS:HA	17	0.18
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD22	17	0.18
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD21	17	0.18
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD23	17	0.18
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD12	17	0.18
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD11	17	0.18
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD13	17	0.18
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	17	0.18
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	17	0.18
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	17	0.18
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	17	0.18
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	17	0.18
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	17	0.18
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD22	17	0.18
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD21	17	0.18
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD23	17	0.18
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD12	17	0.18
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD11	17	0.18
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD13	17	0.18
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	17	0.18
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	17	0.18
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	17	0.18
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	17	0.18
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	17	0.18
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	17	0.18
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	8	0.18
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	8	0.18
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	8	0.18
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB2	11	0.18
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB2	11	0.18
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB2	11	0.18
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB3	11	0.18
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB3	11	0.18
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB3	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:B:8:LEU:HG	1:A:11:ILE:HB	11	0.18
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG2	11	0.18
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG3	11	0.18
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB2	11	0.18
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB2	11	0.18
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB2	11	0.18
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB3	11	0.18
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB3	11	0.18
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB3	11	0.18
(1,1697)	1:A:8:LEU:HG	1:B:11:ILE:HB	11	0.18
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG2	11	0.18
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG3	11	0.18
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	20	0.18
(1,1573)	1:A:32:GLU:H	1:A:33:LEU:HB3	12	0.18
(1,1454)	1:B:35:GLN:H	1:B:35:GLN:HG3	19	0.18
(1,1453)	1:A:35:GLN:H	1:A:35:GLN:HG3	19	0.18
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	8	0.18
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	11	0.18
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	12	0.18
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	14	0.18
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	8	0.18
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	11	0.18
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	12	0.18
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	14	0.18
(1,1086)	1:B:46:LYS:H	1:B:90:HIS:HA	10	0.18
(1,1085)	1:A:46:LYS:H	1:A:90:HIS:HA	10	0.18
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	12	0.17
(1,918)	1:B:91:LYS:H	1:B:90:HIS:H	7	0.17
(1,917)	1:A:91:LYS:H	1:A:90:HIS:H	7	0.17
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	15	0.17
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	15	0.17
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	15	0.17
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	15	0.17
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	15	0.17
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	15	0.17
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	15	0.17
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	15	0.17
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	15	0.17
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	15	0.17
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	15	0.17
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	15	0.17
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	15	0.17
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	15	0.17
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	15	0.17
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	15	0.17
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	15	0.17
(1,76)	1:B:41:LEU:H	1:B:40:GLU:HG2	5	0.17
(1,76)	1:B:41:LEU:H	1:B:40:GLU:HG3	5	0.17
(1,75)	1:A:41:LEU:H	1:A:40:GLU:HG2	5	0.17
(1,75)	1:A:41:LEU:H	1:A:40:GLU:HG3	5	0.17
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD2	16	0.17
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD3	16	0.17
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD2	16	0.17
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD3	16	0.17
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD2	16	0.17
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD3	16	0.17
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD2	16	0.17
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD3	16	0.17
(1,558)	1:B:91:LYS:HD3	1:B:80:ILE:HA	8	0.17
(1,557)	1:A:91:LYS:HD3	1:A:80:ILE:HA	8	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	2	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	5	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	5	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	5	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	5	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	5	0.17
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	5	0.17
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	5	0.17
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	5	0.17
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	5	0.17
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	5	0.17
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	2	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	5	0.17
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	5	0.17
(1,3694)	1:B:75:ILE:H	1:A:82:LEU:HG	9	0.17
(1,3694)	1:B:75:ILE:H	1:A:83:LYS:HG2	9	0.17
(1,3694)	1:B:75:ILE:H	1:A:83:LYS:HG3	9	0.17
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	16	0.17
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	16	0.17
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	16	0.17
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	16	0.17
(1,3662)	1:B:61:LEU:H	1:B:33:LEU:HG	16	0.17
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB2	16	0.17
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB1	16	0.17
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB3	16	0.17
(1,3662)	1:B:61:LEU:H	1:B:77:LEU:HB2	16	0.17
(1,3662)	1:B:61:LEU:H	1:B:77:LEU:HB3	16	0.17
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	1	0.17
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	1	0.17
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	1	0.17
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	3	0.17
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	3	0.17
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	11	0.17
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	11	0.17
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	11	0.17
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	12	0.17
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	12	0.17
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	12	0.17
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	11	0.17
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	11	0.17
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	11	0.17
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	12	0.17
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	12	0.17
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	12	0.17
(1,3580)	1:B:8:LEU:H	1:B:78:VAL:HB	20	0.17
(1,3580)	1:B:8:LEU:H	1:A:40:GLU:HB3	20	0.17
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB2	20	0.17
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB3	20	0.17
(1,3580)	1:B:8:LEU:H	1:A:78:VAL:HB	20	0.17
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB2	11	0.17
(1,3576)	1:B:53:VAL:H	1:B:49:LYS:HB3	11	0.17
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB2	11	0.17
(1,3576)	1:B:53:VAL:H	1:B:51:LYS:HB3	11	0.17
(1,3514)	1:B:83:LYS:H	1:A:8:LEU:HB2	8	0.17
(1,3514)	1:B:83:LYS:H	1:A:8:LEU:HB3	8	0.17
(1,3514)	1:B:83:LYS:H	1:A:11:ILE:HB	8	0.17
(1,3514)	1:B:83:LYS:H	1:A:71:PHE:HB2	8	0.17
(1,3514)	1:B:83:LYS:H	1:A:72:GLN:HB3	8	0.17
(1,3514)	1:B:87:TYR:H	1:A:71:PHE:HB2	8	0.17
(1,3514)	1:B:87:TYR:H	1:A:72:GLN:HB3	8	0.17
(1,3513)	1:A:83:LYS:H	1:B:8:LEU:HB2	8	0.17
(1,3513)	1:A:83:LYS:H	1:B:8:LEU:HB3	8	0.17
(1,3513)	1:A:83:LYS:H	1:B:11:ILE:HB	8	0.17
(1,3513)	1:A:83:LYS:H	1:B:71:PHE:HB2	8	0.17
(1,3513)	1:A:83:LYS:H	1:B:72:GLN:HB3	8	0.17
(1,3513)	1:A:87:TYR:H	1:B:71:PHE:HB2	8	0.17
(1,3513)	1:A:87:TYR:H	1:B:72:GLN:HB3	8	0.17
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	2	0.17
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	2	0.17
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	3	0.17
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	3	0.17
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	9	0.17
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	2	0.17
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	2	0.17
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	9	0.17
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	9	0.17
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE2	4	0.17
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE3	4	0.17
(1,3443)	1:A:41:LEU:H	1:A:43:ASN:HB2	4	0.17
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE2	4	0.17
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE3	4	0.17
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	16	0.17
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	16	0.17
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	16	0.17
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	16	0.17
(1,3292)	1:B:84:ALA:H	1:B:92:GLU:H	12	0.17
(1,3292)	1:B:92:GLU:H	1:B:89:THR:H	12	0.17
(1,3291)	1:A:84:ALA:H	1:A:92:GLU:H	12	0.17
(1,3291)	1:A:92:GLU:H	1:A:89:THR:H	12	0.17
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	9	0.17
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	9	0.17
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	9	0.17
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	9	0.17
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	9	0.17
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	9	0.17
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	14	0.17
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	14	0.17
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	14	0.17
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	14	0.17
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	14	0.17
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	14	0.17
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	9	0.17
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	9	0.17
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	9	0.17
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	9	0.17
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	9	0.17
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	9	0.17
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	14	0.17
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	14	0.17
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	14	0.17
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	14	0.17
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	14	0.17
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	19	0.17
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	19	0.17
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	19	0.17
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	19	0.17
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	19	0.17
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	19	0.17
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	19	0.17
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	19	0.17
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	19	0.17
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	19	0.17
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	19	0.17
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	19	0.17
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	19	0.17
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	19	0.17
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	19	0.17
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	19	0.17
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	19	0.17
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	19	0.17
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	19	0.17
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	19	0.17
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	19	0.17
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	19	0.17
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	19	0.17
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	19	0.17
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	19	0.17
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	19	0.17
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	19	0.17
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	19	0.17
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	19	0.17
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	19	0.17
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	17	0.17
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	17	0.17
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	17	0.17
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	17	0.17
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	18	0.17
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	18	0.17
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	18	0.17
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	18	0.17
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	17	0.17
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	17	0.17
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	17	0.17
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	18	0.17
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	18	0.17
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	18	0.17
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	18	0.17
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	17	0.17
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	17	0.17
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	4	0.17
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	4	0.17
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	17	0.17
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	17	0.17
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	5	0.17
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	5	0.17
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	5	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	5	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	5	0.17
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	7	0.17
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	7	0.17
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	7	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	7	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	7	0.17
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	9	0.17
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	9	0.17
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	9	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	9	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	9	0.17
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	11	0.17
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	11	0.17
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	11	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	11	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	11	0.17
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	16	0.17
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	16	0.17
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	16	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	16	0.17
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	16	0.17
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	7	0.17
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	7	0.17
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	7	0.17
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	7	0.17
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	7	0.17
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	9	0.17
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	9	0.17
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	9	0.17
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	9	0.17
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	11	0.17
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	11	0.17
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	11	0.17
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	11	0.17
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	11	0.17
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	16	0.17
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	16	0.17
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	16	0.17
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	16	0.17
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	16	0.17
(1,2698)	1:B:45:ILE:HB	1:B:48:ILE:HA	10	0.17
(1,2698)	1:B:49:LYS:HD2	1:B:48:ILE:HA	10	0.17
(1,2698)	1:B:49:LYS:HD3	1:B:48:ILE:HA	10	0.17
(1,2698)	1:B:45:ILE:HB	1:B:48:ILE:HA	18	0.17
(1,2698)	1:B:49:LYS:HD2	1:B:48:ILE:HA	18	0.17
(1,2698)	1:B:49:LYS:HD3	1:B:48:ILE:HA	18	0.17
(1,2697)	1:A:45:ILE:HB	1:A:48:ILE:HA	10	0.17
(1,2697)	1:A:49:LYS:HD2	1:A:48:ILE:HA	10	0.17
(1,2697)	1:A:49:LYS:HD3	1:A:48:ILE:HA	10	0.17
(1,2697)	1:A:45:ILE:HB	1:A:48:ILE:HA	18	0.17
(1,2697)	1:A:49:LYS:HD2	1:A:48:ILE:HA	18	0.17
(1,2697)	1:A:49:LYS:HD3	1:A:48:ILE:HA	18	0.17
(1,2696)	1:B:57:ILE:HA	1:B:45:ILE:HB	20	0.17
(1,2696)	1:B:61:LEU:HB2	1:B:57:ILE:HA	20	0.17
(1,2696)	1:B:57:ILE:HA	1:B:91:LYS:HD3	20	0.17
(1,2695)	1:A:57:ILE:HA	1:A:45:ILE:HB	20	0.17
(1,2695)	1:A:61:LEU:HB2	1:A:57:ILE:HA	20	0.17
(1,2695)	1:A:57:ILE:HA	1:A:91:LYS:HD3	20	0.17
(1,2682)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	17	0.17
(1,2682)	1:B:83:LYS:HB2	1:B:91:LYS:HD3	17	0.17
(1,2681)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	17	0.17
(1,2681)	1:A:83:LYS:HB2	1:A:91:LYS:HD3	17	0.17
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	7	0.17
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	7	0.17
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	7	0.17
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	7	0.17
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	7	0.17
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	7	0.17
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	1	0.17
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	1	0.17
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	1	0.17
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	1	0.17
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	1	0.17
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	1	0.17
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	1	0.17
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	1	0.17
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	1	0.17
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	16	0.17
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	16	0.17
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	16	0.17
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	16	0.17
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	16	0.17
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	16	0.17
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	16	0.17
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	16	0.17
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	16	0.17
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	16	0.17
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB2	3	0.17
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB3	3	0.17
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB2	3	0.17
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB3	3	0.17
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB2	3	0.17
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB3	3	0.17
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB2	3	0.17
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB3	3	0.17
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	5	0.17
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	5	0.17
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	5	0.17
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	5	0.17
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	5	0.17
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	5	0.17
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	5	0.17
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	5	0.17
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	5	0.17
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	5	0.17
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	5	0.17
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	5	0.17
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	15	0.17
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	15	0.17
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	15	0.17
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	15	0.17
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	15	0.17
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB2	4	0.17
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB2	4	0.17
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB2	4	0.17
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB3	4	0.17
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB3	4	0.17
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB3	4	0.17
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB2	4	0.17
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB3	4	0.17
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB2	4	0.17
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB3	4	0.17
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB2	4	0.17
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB3	4	0.17
(1,2591)	1:A:89:THR:HG21	1:A:83:LYS:HB2	4	0.17
(1,2591)	1:A:89:THR:HG22	1:A:83:LYS:HB2	4	0.17
(1,2591)	1:A:89:THR:HG23	1:A:83:LYS:HB2	4	0.17
(1,2591)	1:A:89:THR:HG21	1:A:83:LYS:HB3	4	0.17
(1,2591)	1:A:89:THR:HG22	1:A:83:LYS:HB3	4	0.17
(1,2591)	1:A:89:THR:HG23	1:A:83:LYS:HB3	4	0.17
(1,2591)	1:A:89:THR:HG21	1:B:9:GLU:HB2	4	0.17
(1,2591)	1:A:89:THR:HG21	1:B:9:GLU:HB3	4	0.17
(1,2591)	1:A:89:THR:HG22	1:B:9:GLU:HB2	4	0.17
(1,2591)	1:A:89:THR:HG22	1:B:9:GLU:HB3	4	0.17
(1,2591)	1:A:89:THR:HG23	1:B:9:GLU:HB2	4	0.17
(1,2591)	1:A:89:THR:HG23	1:B:9:GLU:HB3	4	0.17
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	4	0.17
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	4	0.17
(1,2562)	1:B:91:LYS:HE2	1:B:80:ILE:HB	4	0.17
(1,2562)	1:B:91:LYS:HE3	1:B:80:ILE:HB	4	0.17
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	4	0.17
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	4	0.17
(1,2562)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	4	0.17
(1,2562)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	4	0.17
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	4	0.17
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	4	0.17
(1,2561)	1:A:91:LYS:HE2	1:A:80:ILE:HB	4	0.17
(1,2561)	1:A:91:LYS:HE3	1:A:80:ILE:HB	4	0.17
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	4	0.17
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	4	0.17
(1,2561)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2561)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	4	0.17
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	1	0.17
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	1	0.17
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	2	0.17
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	2	0.17
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	9	0.17
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	9	0.17
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	1	0.17
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	1	0.17
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	2	0.17
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	2	0.17
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	9	0.17
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	9	0.17
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	13	0.17
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	13	0.17
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	13	0.17
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	13	0.17
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	4	0.17
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	4	0.17
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	4	0.17
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	6	0.17
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	6	0.17
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	6	0.17
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	13	0.17
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	13	0.17
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	13	0.17
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	4	0.17
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	4	0.17
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	4	0.17
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	6	0.17
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	6	0.17
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	6	0.17
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	9	0.17
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	9	0.17
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	9	0.17
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	13	0.17
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	13	0.17
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	13	0.17
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG2	2	0.17
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG3	2	0.17
(1,2386)	1:B:8:LEU:HB2	1:B:12:VAL:HB	2	0.17
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG2	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG3	2	0.17
(1,2386)	1:B:8:LEU:HB3	1:B:12:VAL:HB	2	0.17
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG2	2	0.17
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG3	2	0.17
(1,2385)	1:A:8:LEU:HB2	1:A:12:VAL:HB	2	0.17
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG2	2	0.17
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG3	2	0.17
(1,2385)	1:A:8:LEU:HB3	1:A:12:VAL:HB	2	0.17
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG2	14	0.17
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG3	14	0.17
(1,2385)	1:A:8:LEU:HB2	1:A:12:VAL:HB	14	0.17
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG2	14	0.17
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG3	14	0.17
(1,2385)	1:A:8:LEU:HB3	1:A:12:VAL:HB	14	0.17
(1,2344)	1:B:54:ILE:HG22	1:B:30:LYS:HE2	2	0.17
(1,2344)	1:B:54:ILE:HG21	1:B:30:LYS:HE2	2	0.17
(1,2344)	1:B:54:ILE:HG23	1:B:30:LYS:HE2	2	0.17
(1,2344)	1:B:54:ILE:HG22	1:B:30:LYS:HE3	2	0.17
(1,2344)	1:B:54:ILE:HG21	1:B:30:LYS:HE3	2	0.17
(1,2344)	1:B:54:ILE:HG23	1:B:30:LYS:HE3	2	0.17
(1,2344)	1:B:54:ILE:HG22	1:B:59:GLN:HG3	2	0.17
(1,2344)	1:B:54:ILE:HG21	1:B:59:GLN:HG3	2	0.17
(1,2344)	1:B:54:ILE:HG23	1:B:59:GLN:HG3	2	0.17
(1,2344)	1:B:57:ILE:HG22	1:B:59:GLN:HG3	2	0.17
(1,2344)	1:B:57:ILE:HG21	1:B:59:GLN:HG3	2	0.17
(1,2344)	1:B:57:ILE:HG23	1:B:59:GLN:HG3	2	0.17
(1,2343)	1:A:54:ILE:HG22	1:A:30:LYS:HE2	2	0.17
(1,2343)	1:A:54:ILE:HG21	1:A:30:LYS:HE2	2	0.17
(1,2343)	1:A:54:ILE:HG23	1:A:30:LYS:HE2	2	0.17
(1,2343)	1:A:54:ILE:HG22	1:A:30:LYS:HE3	2	0.17
(1,2343)	1:A:54:ILE:HG21	1:A:30:LYS:HE3	2	0.17
(1,2343)	1:A:54:ILE:HG23	1:A:30:LYS:HE3	2	0.17
(1,2343)	1:A:54:ILE:HG22	1:A:59:GLN:HG3	2	0.17
(1,2343)	1:A:54:ILE:HG21	1:A:59:GLN:HG3	2	0.17
(1,2343)	1:A:54:ILE:HG23	1:A:59:GLN:HG3	2	0.17
(1,2343)	1:A:57:ILE:HG22	1:A:59:GLN:HG3	2	0.17
(1,2343)	1:A:57:ILE:HG21	1:A:59:GLN:HG3	2	0.17
(1,2343)	1:A:57:ILE:HG23	1:A:59:GLN:HG3	2	0.17
(1,2336)	1:B:30:LYS:HE2	1:B:58:PHE:HB3	1	0.17
(1,2336)	1:B:58:PHE:HB3	1:B:59:GLN:HG3	1	0.17
(1,2335)	1:A:30:LYS:HE2	1:A:58:PHE:HB3	1	0.17
(1,2335)	1:A:58:PHE:HB3	1:A:59:GLN:HG3	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2270)	1:B:83:LYS:HA	1:B:83:LYS:HE2	3	0.17
(1,2270)	1:B:86:HIS:HB2	1:B:83:LYS:HA	3	0.17
(1,2269)	1:A:83:LYS:HA	1:A:83:LYS:HE2	3	0.17
(1,2269)	1:A:86:HIS:HB2	1:A:83:LYS:HA	3	0.17
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	8	0.17
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	8	0.17
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	8	0.17
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	8	0.17
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	8	0.17
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	8	0.17
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	8	0.17
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	8	0.17
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	8	0.17
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	8	0.17
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	8	0.17
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	8	0.17
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	8	0.17
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	8	0.17
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	8	0.17
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	10	0.17
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	10	0.17
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	10	0.17
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	10	0.17
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	10	0.17
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	10	0.17
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	10	0.17
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	10	0.17
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	10	0.17
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	10	0.17
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	10	0.17
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	10	0.17
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	10	0.17
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	10	0.17
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	10	0.17
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE2	11	0.17
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE3	11	0.17
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE2	11	0.17
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE3	11	0.17
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE2	11	0.17
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE3	11	0.17
(1,2190)	1:B:37:LEU:HB3	1:B:58:PHE:HB3	11	0.17
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE3	11	0.17
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE2	11	0.17
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE3	11	0.17
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE2	11	0.17
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE3	11	0.17
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE2	11	0.17
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE3	11	0.17
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE2	11	0.17
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE3	11	0.17
(1,2189)	1:A:37:LEU:HB3	1:A:58:PHE:HB3	11	0.17
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE2	11	0.17
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE3	11	0.17
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE2	11	0.17
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE3	11	0.17
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA2	5	0.17
(1,2072)	1:B:74:PHE:HA	1:B:60:GLY:HA3	5	0.17
(1,2072)	1:B:74:PHE:HA	1:B:76:SER:HB3	5	0.17
(1,2072)	1:B:74:PHE:HA	1:A:79:ALA:HA	5	0.17
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA2	5	0.17
(1,2071)	1:A:74:PHE:HA	1:A:60:GLY:HA3	5	0.17
(1,2071)	1:A:74:PHE:HA	1:A:76:SER:HB3	5	0.17
(1,2071)	1:A:74:PHE:HA	1:B:79:ALA:HA	5	0.17
(1,2060)	1:B:83:LYS:HD2	1:B:79:ALA:HA	4	0.17
(1,2060)	1:B:83:LYS:HD3	1:B:79:ALA:HA	4	0.17
(1,2060)	1:B:83:LYS:HD2	1:B:81:ALA:HA	4	0.17
(1,2060)	1:B:83:LYS:HD3	1:B:81:ALA:HA	4	0.17
(1,2059)	1:A:83:LYS:HD2	1:A:79:ALA:HA	4	0.17
(1,2059)	1:A:83:LYS:HD3	1:A:79:ALA:HA	4	0.17
(1,2059)	1:A:83:LYS:HD2	1:A:81:ALA:HA	4	0.17
(1,2059)	1:A:83:LYS:HD3	1:A:81:ALA:HA	4	0.17
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	6	0.17
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	6	0.17
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	6	0.17
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	4	0.17
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	4	0.17
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	4	0.17
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	4	0.17
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	4	0.17
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	4	0.17
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	16	0.17
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	16	0.17
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	16	0.17
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	16	0.17
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	16	0.17
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	4	0.17
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	4	0.17
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	4	0.17
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	4	0.17
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	4	0.17
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	4	0.17
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	16	0.17
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	16	0.17
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	16	0.17
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	16	0.17
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	16	0.17
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	16	0.17
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	16	0.17
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	16	0.17
(1,1892)	1:B:46:LYS:HG2	1:B:90:HIS:HA	17	0.17
(1,1892)	1:B:46:LYS:HG3	1:B:90:HIS:HA	17	0.17
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	12	0.17
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	12	0.17
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	12	0.17
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	12	0.17
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	12	0.17
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	12	0.17
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	13	0.17
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	13	0.17
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	13	0.17
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	13	0.17
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	13	0.17
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	13	0.17
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	12	0.17
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	12	0.17
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	12	0.17
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	12	0.17
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	12	0.17
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	12	0.17
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	13	0.17
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	13	0.17
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	13	0.17
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	13	0.17
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	13	0.17
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	8	0.17
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	8	0.17
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	8	0.17
(1,1694)	1:B:75:ILE:HD12	1:A:83:LYS:HE2	5	0.17
(1,1694)	1:B:75:ILE:HD11	1:A:83:LYS:HE2	5	0.17
(1,1694)	1:B:75:ILE:HD13	1:A:83:LYS:HE2	5	0.17
(1,1694)	1:B:75:ILE:HD12	1:A:83:LYS:HE3	5	0.17
(1,1694)	1:B:75:ILE:HD11	1:A:83:LYS:HE3	5	0.17
(1,1694)	1:B:75:ILE:HD13	1:A:83:LYS:HE3	5	0.17
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	1	0.17
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	1	0.17
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	20	0.17
(1,1574)	1:B:32:GLU:H	1:B:33:LEU:HB3	12	0.17
(1,1454)	1:B:35:GLN:H	1:B:35:GLN:HG3	20	0.17
(1,1453)	1:A:35:GLN:H	1:A:35:GLN:HG3	20	0.17
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	3	0.17
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	9	0.17
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	10	0.17
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	17	0.17
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	18	0.17
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	3	0.17
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	10	0.17
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	17	0.17
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	12	0.16
(2,16)	1:B:39:LYS:HB2	1:B:42:ALA:H	15	0.16
(2,15)	1:A:39:LYS:HB2	1:A:42:ALA:H	15	0.16
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	16	0.16
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	16	0.16
(1,650)	1:B:49:LYS:HG2	1:B:49:LYS:HA	1	0.16
(1,650)	1:B:49:LYS:HG3	1:B:49:LYS:HA	1	0.16
(1,649)	1:A:49:LYS:HG2	1:A:49:LYS:HA	1	0.16
(1,649)	1:A:49:LYS:HG3	1:A:49:LYS:HA	1	0.16
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	5	0.16
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	5	0.16
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	16	0.16
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	16	0.16
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	5	0.16
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	5	0.16
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	17	0.16
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	17	0.16
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD2	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD3	6	0.16
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD2	6	0.16
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD3	6	0.16
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD2	6	0.16
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD3	6	0.16
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD2	6	0.16
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD3	6	0.16
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	14	0.16
(1,408)	1:B:36:LEU:HD22	1:B:40:GLU:HB2	12	0.16
(1,408)	1:B:36:LEU:HD21	1:B:40:GLU:HB2	12	0.16
(1,408)	1:B:36:LEU:HD23	1:B:40:GLU:HB2	12	0.16
(1,407)	1:A:36:LEU:HD22	1:A:40:GLU:HB2	12	0.16
(1,407)	1:A:36:LEU:HD21	1:A:40:GLU:HB2	12	0.16
(1,407)	1:A:36:LEU:HD23	1:A:40:GLU:HB2	12	0.16
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	18	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	1	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	19	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	19	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	19	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	19	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	19	0.16
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	19	0.16
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	19	0.16
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	19	0.16
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	19	0.16
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	19	0.16
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	19	0.16
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	19	0.16
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	1	0.16
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	1	0.16
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	1	0.16
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	1	0.16
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	1	0.16
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	1	0.16
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	1	0.16
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	1	0.16
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	1	0.16
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	1	0.16
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	1	0.16
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG22	10	0.16
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG21	10	0.16
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG23	10	0.16
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG22	10	0.16
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG21	10	0.16
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG23	10	0.16
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG22	10	0.16
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG21	10	0.16
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG23	10	0.16
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG22	10	0.16
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG21	10	0.16
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG23	10	0.16
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	6	0.16
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	6	0.16
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	6	0.16
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	6	0.16
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	6	0.16
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	6	0.16
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	6	0.16
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	6	0.16
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	6	0.16
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	6	0.16
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	6	0.16
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	6	0.16
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	6	0.16
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	6	0.16
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	6	0.16
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	6	0.16
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	6	0.16
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	6	0.16
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	6	0.16
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	6	0.16
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	6	0.16
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	6	0.16
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	6	0.16
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD22	5	0.16
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD21	5	0.16
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD23	5	0.16
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD12	5	0.16
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD11	5	0.16
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD13	5	0.16
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD22	5	0.16
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD21	5	0.16
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD23	5	0.16
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD12	5	0.16
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD11	5	0.16
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD13	5	0.16
(1,3668)	1:B:40:GLU:H	1:B:37:LEU:HB2	8	0.16
(1,3668)	1:B:40:GLU:H	1:B:48:ILE:HG12	8	0.16
(1,3667)	1:A:40:GLU:H	1:A:37:LEU:HB2	8	0.16
(1,3667)	1:A:40:GLU:H	1:A:48:ILE:HG12	8	0.16
(1,3662)	1:B:61:LEU:H	1:B:33:LEU:HG	9	0.16
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB2	9	0.16
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB1	9	0.16
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB3	9	0.16
(1,3662)	1:B:61:LEU:H	1:B:77:LEU:HB2	9	0.16
(1,3662)	1:B:61:LEU:H	1:B:77:LEU:HB3	9	0.16
(1,3661)	1:A:61:LEU:H	1:A:33:LEU:HG	9	0.16
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB2	9	0.16
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB1	9	0.16
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB3	9	0.16
(1,3661)	1:A:61:LEU:H	1:A:77:LEU:HB2	9	0.16
(1,3661)	1:A:61:LEU:H	1:A:77:LEU:HB3	9	0.16
(1,3661)	1:A:61:LEU:H	1:A:33:LEU:HG	16	0.16
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB2	16	0.16
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB1	16	0.16
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB3	16	0.16
(1,3661)	1:A:61:LEU:H	1:A:77:LEU:HB2	16	0.16
(1,3661)	1:A:61:LEU:H	1:A:77:LEU:HB3	16	0.16
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	1	0.16
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	1	0.16
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	1	0.16
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB2	11	0.16
(1,3575)	1:A:53:VAL:H	1:A:49:LYS:HB3	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB2	11	0.16
(1,3575)	1:A:53:VAL:H	1:A:51:LYS:HB3	11	0.16
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	13	0.16
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	13	0.16
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	20	0.16
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	20	0.16
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	3	0.16
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	3	0.16
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	13	0.16
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	13	0.16
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	20	0.16
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	20	0.16
(1,3451)	1:A:72:GLN:H	1:B:83:LYS:HE2	2	0.16
(1,3451)	1:A:72:GLN:H	1:B:83:LYS:HE3	2	0.16
(1,3334)	1:B:69:VAL:H	1:B:29:SER:HB3	18	0.16
(1,3334)	1:B:69:VAL:H	1:B:33:LEU:HA	18	0.16
(1,3333)	1:A:69:VAL:H	1:A:29:SER:HB3	16	0.16
(1,3333)	1:A:69:VAL:H	1:A:33:LEU:HA	16	0.16
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	2	0.16
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	2	0.16
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	2	0.16
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	2	0.16
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	2	0.16
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	2	0.16
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	6	0.16
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	6	0.16
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	6	0.16
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	6	0.16
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	6	0.16
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	6	0.16
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	2	0.16
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	2	0.16
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	2	0.16
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	2	0.16
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	2	0.16
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	2	0.16
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	6	0.16
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	6	0.16
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	6	0.16
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	6	0.16
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	6	0.16
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	20	0.16
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	20	0.16
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	20	0.16
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	20	0.16
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	20	0.16
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	20	0.16
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	20	0.16
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	20	0.16
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	1	0.16
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	1	0.16
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	4	0.16
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	4	0.16
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	13	0.16
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	13	0.16
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	1	0.16
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	1	0.16
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	13	0.16
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	13	0.16
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	5	0.16
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	5	0.16
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	5	0.16
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	5	0.16
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	5	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	7	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	7	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	7	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	7	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	7	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	7	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	7	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	7	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	7	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	7	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	7	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	7	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	7	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	7	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	7	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	8	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	8	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	8	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	8	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	8	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	8	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	8	0.16
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	8	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	8	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	8	0.16
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	8	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	8	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	8	0.16
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	8	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	7	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	7	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	7	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	7	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	7	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	7	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	7	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	7	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	7	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	7	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	7	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	7	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	7	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	7	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	7	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	8	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	8	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	8	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	8	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	8	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	8	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	8	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	8	0.16
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	8	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	8	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	8	0.16
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	8	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	8	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	8	0.16
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	8	0.16
(1,2730)	1:B:75:ILE:HD12	1:A:91:LYS:HB2	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2730)	1:B:75:ILE:HD11	1:A:91:LYS:HB2	18	0.16
(1,2730)	1:B:75:ILE:HD13	1:A:91:LYS:HB2	18	0.16
(1,2730)	1:B:75:ILE:HD12	1:A:91:LYS:HD3	18	0.16
(1,2730)	1:B:75:ILE:HD11	1:A:91:LYS:HD3	18	0.16
(1,2730)	1:B:75:ILE:HD13	1:A:91:LYS:HD3	18	0.16
(1,2729)	1:A:75:ILE:HD12	1:B:91:LYS:HB2	18	0.16
(1,2729)	1:A:75:ILE:HD11	1:B:91:LYS:HB2	18	0.16
(1,2729)	1:A:75:ILE:HD13	1:B:91:LYS:HB2	18	0.16
(1,2729)	1:A:75:ILE:HD12	1:B:91:LYS:HD3	18	0.16
(1,2729)	1:A:75:ILE:HD11	1:B:91:LYS:HD3	18	0.16
(1,2729)	1:A:75:ILE:HD13	1:B:91:LYS:HD3	18	0.16
(1,2696)	1:B:57:ILE:HA	1:B:45:ILE:HB	17	0.16
(1,2696)	1:B:61:LEU:HB2	1:B:57:ILE:HA	17	0.16
(1,2696)	1:B:57:ILE:HA	1:B:91:LYS:HD3	17	0.16
(1,2695)	1:A:57:ILE:HA	1:A:45:ILE:HB	17	0.16
(1,2695)	1:A:61:LEU:HB2	1:A:57:ILE:HA	17	0.16
(1,2695)	1:A:57:ILE:HA	1:A:91:LYS:HD3	17	0.16
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	16	0.16
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	16	0.16
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	16	0.16
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	16	0.16
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	16	0.16
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	16	0.16
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB2	19	0.16
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB3	19	0.16
(1,2670)	1:B:54:ILE:HB	1:B:57:ILE:HB	19	0.16
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB2	19	0.16
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB3	19	0.16
(1,2669)	1:A:54:ILE:HB	1:A:57:ILE:HB	19	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	6	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	6	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	6	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	6	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	6	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	6	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	6	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	6	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	6	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	6	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	9	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	9	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	9	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	9	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	9	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	9	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	9	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	9	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	9	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	12	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	12	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	12	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	12	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	12	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	12	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	12	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	12	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	12	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	12	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	15	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	15	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	15	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	15	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	15	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	15	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	15	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	15	0.16
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	15	0.16
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	15	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	6	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	6	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	6	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	6	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	6	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	6	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	6	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	6	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	6	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	6	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	9	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	9	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	9	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	9	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	9	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	9	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	9	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	9	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	9	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	12	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	12	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	12	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	12	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	12	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	12	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	12	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	12	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	12	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	12	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	15	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	15	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	15	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	15	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	15	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	15	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	15	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	15	0.16
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	15	0.16
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	15	0.16
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	3	0.16
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	3	0.16
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	3	0.16
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	3	0.16
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	3	0.16
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	6	0.16
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	6	0.16
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	6	0.16
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	6	0.16
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	6	0.16
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	15	0.16
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	15	0.16
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	15	0.16
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	15	0.16
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	15	0.16
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	18	0.16
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	18	0.16
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	18	0.16
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	18	0.16
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	3	0.16
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	3	0.16
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	3	0.16
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	3	0.16
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	3	0.16
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	6	0.16
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	6	0.16
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	6	0.16
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	6	0.16
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	6	0.16
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	15	0.16
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	15	0.16
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	15	0.16
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	15	0.16
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	15	0.16
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	18	0.16
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	18	0.16
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	18	0.16
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	18	0.16
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	18	0.16
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB2	10	0.16
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB3	10	0.16
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB2	10	0.16
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB3	10	0.16
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB2	10	0.16
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB3	10	0.16
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB2	10	0.16
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB3	10	0.16
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	15	0.16
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	15	0.16
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	15	0.16
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	15	0.16
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	15	0.16
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	15	0.16
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	7	0.16
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	7	0.16
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	17	0.16
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	17	0.16
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	18	0.16
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	19	0.16
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	19	0.16
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	5	0.16
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	5	0.16
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	17	0.16
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	17	0.16
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	18	0.16
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	18	0.16
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	19	0.16
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	19	0.16
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	7	0.16
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	7	0.16
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	12	0.16
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	12	0.16
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	7	0.16
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	7	0.16
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	12	0.16
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	12	0.16
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	13	0.16
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	13	0.16
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	12	0.16
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	12	0.16
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	12	0.16
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	12	0.16
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	12	0.16
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	12	0.16
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	12	0.16
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	12	0.16
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	12	0.16
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	12	0.16
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	12	0.16
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	12	0.16
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	1	0.16
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	1	0.16
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	1	0.16
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	1	0.16
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	1	0.16
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	1	0.16
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	1	0.16
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	1	0.16
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	1	0.16
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	1	0.16
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	1	0.16
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	1	0.16
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	1	0.16
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	1	0.16
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	14	0.16
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	14	0.16
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	14	0.16
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	14	0.16
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	14	0.16
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	14	0.16
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	14	0.16
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	14	0.16
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	14	0.16
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	14	0.16
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	14	0.16
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	14	0.16
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	14	0.16
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	14	0.16
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	14	0.16
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	1	0.16
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	1	0.16
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	1	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	1	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	1	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	1	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	1	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	1	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	1	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	1	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	1	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	1	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	1	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	1	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	1	0.16
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	19	0.16
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	19	0.16
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	19	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	19	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	19	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	19	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	19	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	19	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	19	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	19	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	19	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	19	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	19	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	19	0.16
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	20	0.16
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	20	0.16
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	20	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	20	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	20	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	20	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	20	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	20	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	20	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	20	0.16
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	20	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	20	0.16
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	20	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	20	0.16
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	20	0.16
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE2	9	0.16
(1,2198)	1:B:30:LYS:HE2	1:B:51:LYS:HE3	9	0.16
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	9	0.16
(1,2198)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	9	0.16
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE2	9	0.16
(1,2197)	1:A:30:LYS:HE2	1:A:51:LYS:HE3	9	0.16
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	9	0.16
(1,2197)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	9	0.16
(1,2192)	1:B:46:LYS:HE2	1:B:90:HIS:HB2	12	0.16
(1,2192)	1:B:46:LYS:HE3	1:B:90:HIS:HB2	12	0.16
(1,2192)	1:B:90:HIS:HB2	1:B:87:TYR:HB2	12	0.16
(1,2192)	1:B:90:HIS:HB2	1:B:87:TYR:HB3	12	0.16
(1,2191)	1:A:46:LYS:HE2	1:A:90:HIS:HB2	12	0.16
(1,2191)	1:A:46:LYS:HE3	1:A:90:HIS:HB2	12	0.16
(1,2191)	1:A:90:HIS:HB2	1:A:87:TYR:HB2	12	0.16
(1,2191)	1:A:90:HIS:HB2	1:A:87:TYR:HB3	12	0.16
(1,2060)	1:B:83:LYS:HD2	1:B:79:ALA:HA	1	0.16
(1,2060)	1:B:83:LYS:HD3	1:B:79:ALA:HA	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:B:83:LYS:HD2	1:B:81:ALA:HA	1	0.16
(1,2060)	1:B:83:LYS:HD3	1:B:81:ALA:HA	1	0.16
(1,2059)	1:A:83:LYS:HD2	1:A:79:ALA:HA	1	0.16
(1,2059)	1:A:83:LYS:HD3	1:A:79:ALA:HA	1	0.16
(1,2059)	1:A:83:LYS:HD2	1:A:81:ALA:HA	1	0.16
(1,2059)	1:A:83:LYS:HD3	1:A:81:ALA:HA	1	0.16
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	10	0.16
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	10	0.16
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	10	0.16
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	12	0.16
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	12	0.16
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	12	0.16
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	13	0.16
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	13	0.16
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	13	0.16
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	13	0.16
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	13	0.16
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	13	0.16
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	3	0.16
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	3	0.16
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	3	0.16
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	3	0.16
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	3	0.16
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	3	0.16
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	20	0.16
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	20	0.16
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	20	0.16
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	20	0.16
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	20	0.16
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	20	0.16
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	3	0.16
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	3	0.16
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	3	0.16
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	3	0.16
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	3	0.16
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	3	0.16
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	20	0.16
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	20	0.16
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	20	0.16
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	20	0.16
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	20	0.16
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	10	0.16
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	10	0.16
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	10	0.16
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	10	0.16
(1,1892)	1:B:46:LYS:HG2	1:B:90:HIS:HA	16	0.16
(1,1892)	1:B:46:LYS:HG3	1:B:90:HIS:HA	16	0.16
(1,1891)	1:A:46:LYS:HG2	1:A:90:HIS:HA	16	0.16
(1,1891)	1:A:46:LYS:HG3	1:A:90:HIS:HA	16	0.16
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	14	0.16
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	14	0.16
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	14	0.16
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	14	0.16
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	14	0.16
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	14	0.16
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	14	0.16
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	14	0.16
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	14	0.16
(1,1693)	1:A:75:ILE:HD12	1:B:83:LYS:HE2	5	0.16
(1,1693)	1:A:75:ILE:HD11	1:B:83:LYS:HE2	5	0.16
(1,1693)	1:A:75:ILE:HD13	1:B:83:LYS:HE2	5	0.16
(1,1693)	1:A:75:ILE:HD12	1:B:83:LYS:HE3	5	0.16
(1,1693)	1:A:75:ILE:HD11	1:B:83:LYS:HE3	5	0.16
(1,1693)	1:A:75:ILE:HD13	1:B:83:LYS:HE3	5	0.16
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	15	0.16
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	15	0.16
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	1	0.16
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	8	0.16
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	1	0.16
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	8	0.16
(1,1524)	1:B:60:GLY:H	1:B:57:ILE:HB	11	0.16
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	7	0.16
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	15	0.16
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	20	0.16
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	7	0.16
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	9	0.16
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	15	0.16
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	18	0.16
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	20	0.16
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	5	0.15
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	5	0.15
(2,96)	1:B:83:LYS:H	1:B:79:ALA:H	5	0.15
(2,96)	1:B:83:LYS:H	1:B:79:ALA:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,95)	1:A:83:LYS:H	1:A:79:ALA:H	5	0.15
(2,128)	1:B:18:TYR:H	1:B:36:LEU:HA	11	0.15
(2,127)	1:A:18:TYR:H	1:A:36:LEU:HA	11	0.15
(1,918)	1:B:91:LYS:H	1:B:90:HIS:H	1	0.15
(1,917)	1:A:91:LYS:H	1:A:90:HIS:H	1	0.15
(1,917)	1:A:91:LYS:H	1:A:90:HIS:H	9	0.15
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	3	0.15
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	3	0.15
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	3	0.15
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	3	0.15
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	3	0.15
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	3	0.15
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	3	0.15
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	3	0.15
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	3	0.15
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	14	0.15
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	14	0.15
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	14	0.15
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	14	0.15
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	14	0.15
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	14	0.15
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	14	0.15
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	14	0.15
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	14	0.15
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	3	0.15
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	3	0.15
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	3	0.15
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	3	0.15
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	3	0.15
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	3	0.15
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	3	0.15
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	3	0.15
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	3	0.15
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	14	0.15
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	14	0.15
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	14	0.15
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	14	0.15
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	14	0.15
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	14	0.15
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	14	0.15
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	14	0.15
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	17	0.15
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	17	0.15
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	16	0.15
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	16	0.15
(1,556)	1:B:45:ILE:HB	1:B:44:THR:HB	18	0.15
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	1	0.15
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	1	0.15
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	1	0.15
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	1	0.15
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	1	0.15
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	1	0.15
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	14	0.15
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	18	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	10	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	13	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	18	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	18	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	18	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	18	0.15
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	18	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	18	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	18	0.15
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	18	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	18	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	18	0.15
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	10	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	13	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	18	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	19	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	19	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	19	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	19	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	19	0.15
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	19	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	19	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	19	0.15
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	19	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	19	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	19	0.15
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	19	0.15
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG22	12	0.15
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG21	12	0.15
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG23	12	0.15
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG22	12	0.15
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG21	12	0.15
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG23	12	0.15
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG22	12	0.15
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG21	12	0.15
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG23	12	0.15
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG22	12	0.15
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG21	12	0.15
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG23	12	0.15
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	11	0.15
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	11	0.15
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	11	0.15
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	11	0.15
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	11	0.15
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	11	0.15
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	11	0.15
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	11	0.15
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	11	0.15
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	11	0.15
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	11	0.15
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	11	0.15
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	11	0.15
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	11	0.15
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	11	0.15
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	11	0.15
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	11	0.15
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	11	0.15
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	11	0.15
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	11	0.15
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	11	0.15
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	11	0.15
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	11	0.15
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD22	4	0.15
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD21	4	0.15
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD23	4	0.15
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD12	4	0.15
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD11	4	0.15
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD13	4	0.15
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD22	4	0.15
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD21	4	0.15
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD23	4	0.15
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD12	4	0.15
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD11	4	0.15
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD13	4	0.15
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	6	0.15
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	6	0.15
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	6	0.15
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	6	0.15
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	14	0.15
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	14	0.15
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	14	0.15
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	14	0.15
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	15	0.15
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	15	0.15
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	15	0.15
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	15	0.15
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	14	0.15
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	14	0.15
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	14	0.15
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	14	0.15
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	15	0.15
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	15	0.15
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	15	0.15
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	15	0.15
(1,3580)	1:B:8:LEU:H	1:B:78:VAL:HB	9	0.15
(1,3580)	1:B:8:LEU:H	1:A:40:GLU:HB3	9	0.15
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB2	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB3	9	0.15
(1,3580)	1:B:8:LEU:H	1:A:78:VAL:HB	9	0.15
(1,3579)	1:A:8:LEU:H	1:A:78:VAL:HB	9	0.15
(1,3579)	1:A:8:LEU:H	1:B:40:GLU:HB3	9	0.15
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB2	9	0.15
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB3	9	0.15
(1,3579)	1:A:8:LEU:H	1:B:78:VAL:HB	9	0.15
(1,3502)	1:B:67:GLU:H	1:B:66:ASP:HB3	5	0.15
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG2	5	0.15
(1,3502)	1:B:67:GLU:H	1:B:67:GLU:HG3	5	0.15
(1,3501)	1:A:67:GLU:H	1:A:66:ASP:HB3	5	0.15
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG2	5	0.15
(1,3501)	1:A:67:GLU:H	1:A:67:GLU:HG3	5	0.15
(1,35)	1:A:90:HIS:H	1:A:89:THR:HB	11	0.15
(1,3452)	1:B:72:GLN:H	1:A:83:LYS:HE2	2	0.15
(1,3452)	1:B:72:GLN:H	1:A:83:LYS:HE3	2	0.15
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	6	0.15
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	6	0.15
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	11	0.15
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	11	0.15
(1,3334)	1:B:69:VAL:H	1:B:29:SER:HB3	16	0.15
(1,3334)	1:B:69:VAL:H	1:B:33:LEU:HA	16	0.15
(1,3334)	1:B:69:VAL:H	1:B:29:SER:HB3	19	0.15
(1,3334)	1:B:69:VAL:H	1:B:33:LEU:HA	19	0.15
(1,3333)	1:A:69:VAL:H	1:A:29:SER:HB3	18	0.15
(1,3333)	1:A:69:VAL:H	1:A:33:LEU:HA	18	0.15
(1,3333)	1:A:69:VAL:H	1:A:29:SER:HB3	19	0.15
(1,3333)	1:A:69:VAL:H	1:A:33:LEU:HA	19	0.15
(1,3292)	1:B:84:ALA:H	1:B:92:GLU:H	13	0.15
(1,3292)	1:B:92:GLU:H	1:B:89:THR:H	13	0.15
(1,3291)	1:A:84:ALA:H	1:A:92:GLU:H	8	0.15
(1,3291)	1:A:92:GLU:H	1:A:89:THR:H	8	0.15
(1,3291)	1:A:84:ALA:H	1:A:92:GLU:H	13	0.15
(1,3291)	1:A:92:GLU:H	1:A:89:THR:H	13	0.15
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	7	0.15
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	7	0.15
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	7	0.15
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	7	0.15
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	7	0.15
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	7	0.15
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	15	0.15
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	15	0.15
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	15	0.15
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	15	0.15
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	15	0.15
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	7	0.15
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	7	0.15
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	7	0.15
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	7	0.15
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	7	0.15
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	7	0.15
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	15	0.15
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	15	0.15
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	15	0.15
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	15	0.15
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	15	0.15
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	15	0.15
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD12	18	0.15
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD11	18	0.15
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD13	18	0.15
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD12	18	0.15
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD11	18	0.15
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD13	18	0.15
(1,3178)	1:B:45:ILE:HG22	1:B:91:LYS:HE2	18	0.15
(1,3178)	1:B:45:ILE:HG22	1:B:91:LYS:HE3	18	0.15
(1,3178)	1:B:45:ILE:HG21	1:B:91:LYS:HE2	18	0.15
(1,3178)	1:B:45:ILE:HG21	1:B:91:LYS:HE3	18	0.15
(1,3178)	1:B:45:ILE:HG23	1:B:91:LYS:HE2	18	0.15
(1,3178)	1:B:45:ILE:HG23	1:B:91:LYS:HE3	18	0.15
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD12	10	0.15
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD11	10	0.15
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD13	10	0.15
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD12	10	0.15
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD11	10	0.15
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD13	10	0.15
(1,3177)	1:A:45:ILE:HG22	1:A:91:LYS:HE2	10	0.15
(1,3177)	1:A:45:ILE:HG22	1:A:91:LYS:HE3	10	0.15
(1,3177)	1:A:45:ILE:HG21	1:A:91:LYS:HE2	10	0.15
(1,3177)	1:A:45:ILE:HG21	1:A:91:LYS:HE3	10	0.15
(1,3177)	1:A:45:ILE:HG23	1:A:91:LYS:HE2	10	0.15
(1,3177)	1:A:45:ILE:HG23	1:A:91:LYS:HE3	10	0.15
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD22	11	0.15
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD21	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD23	11	0.15
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD12	11	0.15
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD11	11	0.15
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD13	11	0.15
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD22	11	0.15
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD21	11	0.15
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD23	11	0.15
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD22	11	0.15
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD21	11	0.15
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD23	11	0.15
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD12	11	0.15
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD11	11	0.15
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD13	11	0.15
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD12	11	0.15
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD11	11	0.15
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD13	11	0.15
(1,2994)	1:B:49:LYS:HB2	1:B:48:ILE:HG13	11	0.15
(1,2994)	1:B:49:LYS:HB3	1:B:48:ILE:HG13	11	0.15
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG12	11	0.15
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG11	11	0.15
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG13	11	0.15
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG12	11	0.15
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG11	11	0.15
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG13	11	0.15
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD22	11	0.15
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD21	11	0.15
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD23	11	0.15
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD12	11	0.15
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD11	11	0.15
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD13	11	0.15
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD22	11	0.15
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD21	11	0.15
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD23	11	0.15
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD22	11	0.15
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD21	11	0.15
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD23	11	0.15
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD12	11	0.15
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD11	11	0.15
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD13	11	0.15
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD12	11	0.15
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD11	11	0.15
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD13	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2993)	1:A:49:LYS:HB2	1:A:48:ILE:HG13	11	0.15
(1,2993)	1:A:49:LYS:HB3	1:A:48:ILE:HG13	11	0.15
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG12	11	0.15
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG11	11	0.15
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG13	11	0.15
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG12	11	0.15
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG11	11	0.15
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG13	11	0.15
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	6	0.15
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	6	0.15
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	8	0.15
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	8	0.15
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	14	0.15
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	14	0.15
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	18	0.15
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	18	0.15
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	6	0.15
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	6	0.15
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	8	0.15
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	8	0.15
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	14	0.15
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	14	0.15
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	16	0.15
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	16	0.15
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	18	0.15
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	18	0.15
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	14	0.15
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	14	0.15
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	14	0.15
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	14	0.15
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	14	0.15
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	17	0.15
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	17	0.15
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	17	0.15
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	17	0.15
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	17	0.15
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	14	0.15
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	14	0.15
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	14	0.15
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	14	0.15
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	14	0.15
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	17	0.15
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	17	0.15
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	17	0.15
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	17	0.15
(1,2854)	1:B:6:GLU:HB2	1:A:85:ALA:HB2	19	0.15
(1,2854)	1:B:6:GLU:HB2	1:A:85:ALA:HB1	19	0.15
(1,2854)	1:B:6:GLU:HB2	1:A:85:ALA:HB3	19	0.15
(1,2854)	1:B:6:GLU:HB3	1:A:85:ALA:HB2	19	0.15
(1,2854)	1:B:6:GLU:HB3	1:A:85:ALA:HB1	19	0.15
(1,2854)	1:B:6:GLU:HB3	1:A:85:ALA:HB3	19	0.15
(1,2854)	1:B:56:GLU:HB2	1:B:51:LYS:HG2	19	0.15
(1,2854)	1:B:56:GLU:HB2	1:B:51:LYS:HG3	19	0.15
(1,2854)	1:B:52:ALA:HB2	1:B:56:GLU:HB2	19	0.15
(1,2854)	1:B:52:ALA:HB1	1:B:56:GLU:HB2	19	0.15
(1,2854)	1:B:52:ALA:HB3	1:B:56:GLU:HB2	19	0.15
(1,2854)	1:B:73:GLU:HB2	1:B:77:LEU:HB2	19	0.15
(1,2854)	1:B:73:GLU:HB2	1:B:77:LEU:HB3	19	0.15
(1,2854)	1:B:73:GLU:HB3	1:B:77:LEU:HB2	19	0.15
(1,2854)	1:B:73:GLU:HB3	1:B:77:LEU:HB3	19	0.15
(1,2854)	1:B:79:ALA:HB2	1:B:73:GLU:HB2	19	0.15
(1,2854)	1:B:79:ALA:HB2	1:B:73:GLU:HB3	19	0.15
(1,2854)	1:B:79:ALA:HB1	1:B:73:GLU:HB2	19	0.15
(1,2854)	1:B:79:ALA:HB1	1:B:73:GLU:HB3	19	0.15
(1,2854)	1:B:79:ALA:HB3	1:B:73:GLU:HB2	19	0.15
(1,2854)	1:B:79:ALA:HB3	1:B:73:GLU:HB3	19	0.15
(1,2853)	1:A:6:GLU:HB2	1:B:85:ALA:HB2	19	0.15
(1,2853)	1:A:6:GLU:HB2	1:B:85:ALA:HB1	19	0.15
(1,2853)	1:A:6:GLU:HB2	1:B:85:ALA:HB3	19	0.15
(1,2853)	1:A:6:GLU:HB3	1:B:85:ALA:HB2	19	0.15
(1,2853)	1:A:6:GLU:HB3	1:B:85:ALA:HB1	19	0.15
(1,2853)	1:A:6:GLU:HB3	1:B:85:ALA:HB3	19	0.15
(1,2853)	1:A:56:GLU:HB2	1:A:51:LYS:HG2	19	0.15
(1,2853)	1:A:56:GLU:HB2	1:A:51:LYS:HG3	19	0.15
(1,2853)	1:A:52:ALA:HB2	1:A:56:GLU:HB2	19	0.15
(1,2853)	1:A:52:ALA:HB1	1:A:56:GLU:HB2	19	0.15
(1,2853)	1:A:52:ALA:HB3	1:A:56:GLU:HB2	19	0.15
(1,2853)	1:A:73:GLU:HB2	1:A:77:LEU:HB2	19	0.15
(1,2853)	1:A:73:GLU:HB2	1:A:77:LEU:HB3	19	0.15
(1,2853)	1:A:73:GLU:HB3	1:A:77:LEU:HB2	19	0.15
(1,2853)	1:A:73:GLU:HB3	1:A:77:LEU:HB3	19	0.15
(1,2853)	1:A:79:ALA:HB2	1:A:73:GLU:HB2	19	0.15
(1,2853)	1:A:79:ALA:HB2	1:A:73:GLU:HB3	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2853)	1:A:79:ALA:HB1	1:A:73:GLU:HB2	19	0.15
(1,2853)	1:A:79:ALA:HB1	1:A:73:GLU:HB3	19	0.15
(1,2853)	1:A:79:ALA:HB3	1:A:73:GLU:HB2	19	0.15
(1,2853)	1:A:79:ALA:HB3	1:A:73:GLU:HB3	19	0.15
(1,2804)	1:B:46:LYS:HG3	1:B:47:ASN:HB3	8	0.15
(1,2804)	1:B:49:LYS:HG2	1:B:47:ASN:HB3	8	0.15
(1,2804)	1:B:49:LYS:HG3	1:B:47:ASN:HB3	8	0.15
(1,2804)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	8	0.15
(1,2804)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	8	0.15
(1,2804)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	8	0.15
(1,2803)	1:A:46:LYS:HG3	1:A:47:ASN:HB3	8	0.15
(1,2803)	1:A:49:LYS:HG2	1:A:47:ASN:HB3	8	0.15
(1,2803)	1:A:49:LYS:HG3	1:A:47:ASN:HB3	8	0.15
(1,2803)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	8	0.15
(1,2803)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	8	0.15
(1,2803)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	8	0.15
(1,2800)	1:B:67:GLU:HG2	1:B:62:ASP:HB3	12	0.15
(1,2800)	1:B:67:GLU:HG3	1:B:62:ASP:HB3	12	0.15
(1,2800)	1:B:63:ALA:HB2	1:B:67:GLU:HG2	12	0.15
(1,2800)	1:B:63:ALA:HB2	1:B:67:GLU:HG3	12	0.15
(1,2800)	1:B:63:ALA:HB1	1:B:67:GLU:HG2	12	0.15
(1,2800)	1:B:63:ALA:HB1	1:B:67:GLU:HG3	12	0.15
(1,2800)	1:B:63:ALA:HB3	1:B:67:GLU:HG2	12	0.15
(1,2800)	1:B:63:ALA:HB3	1:B:67:GLU:HG3	12	0.15
(1,2799)	1:A:67:GLU:HG2	1:A:62:ASP:HB3	12	0.15
(1,2799)	1:A:67:GLU:HG3	1:A:62:ASP:HB3	12	0.15
(1,2799)	1:A:63:ALA:HB2	1:A:67:GLU:HG2	12	0.15
(1,2799)	1:A:63:ALA:HB2	1:A:67:GLU:HG3	12	0.15
(1,2799)	1:A:63:ALA:HB1	1:A:67:GLU:HG2	12	0.15
(1,2799)	1:A:63:ALA:HB1	1:A:67:GLU:HG3	12	0.15
(1,2799)	1:A:63:ALA:HB3	1:A:67:GLU:HG2	12	0.15
(1,2799)	1:A:63:ALA:HB3	1:A:67:GLU:HG3	12	0.15
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	19	0.15
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	19	0.15
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	19	0.15
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	19	0.15
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	19	0.15
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	19	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	4	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	4	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	4	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	4	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	4	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	4	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	4	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	4	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	4	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	18	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	18	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	18	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	18	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	18	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	18	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	18	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	18	0.15
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	18	0.15
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	18	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	4	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	4	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	4	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	4	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	4	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	4	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	4	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	4	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	4	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	4	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	18	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	18	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	18	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	18	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	18	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	18	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	18	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	18	0.15
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	18	0.15
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	18	0.15
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	13	0.15
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	13	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	13	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	13	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	13	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	18	0.15
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	18	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	18	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	18	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	18	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	18	0.15
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	19	0.15
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	19	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	19	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	19	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	19	0.15
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	19	0.15
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	10	0.15
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	10	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	10	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	10	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	10	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	10	0.15
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	13	0.15
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	13	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	13	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	13	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	13	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	13	0.15
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	18	0.15
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	18	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	18	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	18	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	18	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	18	0.15
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	19	0.15
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	19	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	19	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	19	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	19	0.15
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	19	0.15
(1,2612)	1:B:51:LYS:HB2	1:B:50:ASP:HB2	10	0.15
(1,2612)	1:B:51:LYS:HB3	1:B:50:ASP:HB2	10	0.15
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	10	0.15
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	10	0.15
(1,2612)	1:B:91:LYS:HE2	1:B:80:ILE:HB	10	0.15
(1,2612)	1:B:91:LYS:HE3	1:B:80:ILE:HB	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	10	0.15
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	10	0.15
(1,2612)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	10	0.15
(1,2612)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	10	0.15
(1,2612)	1:B:51:LYS:HB2	1:B:50:ASP:HB2	14	0.15
(1,2612)	1:B:51:LYS:HB3	1:B:50:ASP:HB2	14	0.15
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	14	0.15
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	14	0.15
(1,2612)	1:B:91:LYS:HE2	1:B:80:ILE:HB	14	0.15
(1,2612)	1:B:91:LYS:HE3	1:B:80:ILE:HB	14	0.15
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	14	0.15
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	14	0.15
(1,2612)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	14	0.15
(1,2612)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	14	0.15
(1,2611)	1:A:51:LYS:HB2	1:A:50:ASP:HB2	10	0.15
(1,2611)	1:A:51:LYS:HB3	1:A:50:ASP:HB2	10	0.15
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	10	0.15
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	10	0.15
(1,2611)	1:A:91:LYS:HE2	1:A:80:ILE:HB	10	0.15
(1,2611)	1:A:91:LYS:HE3	1:A:80:ILE:HB	10	0.15
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	10	0.15
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	10	0.15
(1,2611)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	10	0.15
(1,2611)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	10	0.15
(1,2611)	1:A:51:LYS:HB2	1:A:50:ASP:HB2	14	0.15
(1,2611)	1:A:51:LYS:HB3	1:A:50:ASP:HB2	14	0.15
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	14	0.15
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	14	0.15
(1,2611)	1:A:91:LYS:HE2	1:A:80:ILE:HB	14	0.15
(1,2611)	1:A:91:LYS:HE3	1:A:80:ILE:HB	14	0.15
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	14	0.15
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	14	0.15
(1,2611)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	14	0.15
(1,2611)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	14	0.15
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	11	0.15
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	11	0.15
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	11	0.15
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	11	0.15
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	11	0.15
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	11	0.15
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	5	0.15
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	12	0.15
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	12	0.15
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	7	0.15
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	7	0.15
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	1	0.15
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	1	0.15
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	2	0.15
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	2	0.15
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	2	0.15
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	2	0.15
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	2	0.15
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	2	0.15
(1,2344)	1:B:54:ILE:HG22	1:B:30:LYS:HE2	3	0.15
(1,2344)	1:B:54:ILE:HG21	1:B:30:LYS:HE2	3	0.15
(1,2344)	1:B:54:ILE:HG23	1:B:30:LYS:HE2	3	0.15
(1,2344)	1:B:54:ILE:HG22	1:B:30:LYS:HE3	3	0.15
(1,2344)	1:B:54:ILE:HG21	1:B:30:LYS:HE3	3	0.15
(1,2344)	1:B:54:ILE:HG23	1:B:30:LYS:HE3	3	0.15
(1,2344)	1:B:54:ILE:HG22	1:B:59:GLN:HG3	3	0.15
(1,2344)	1:B:54:ILE:HG21	1:B:59:GLN:HG3	3	0.15
(1,2344)	1:B:54:ILE:HG23	1:B:59:GLN:HG3	3	0.15
(1,2344)	1:B:57:ILE:HG22	1:B:59:GLN:HG3	3	0.15
(1,2344)	1:B:57:ILE:HG21	1:B:59:GLN:HG3	3	0.15
(1,2344)	1:B:57:ILE:HG23	1:B:59:GLN:HG3	3	0.15
(1,2343)	1:A:54:ILE:HG22	1:A:30:LYS:HE2	3	0.15
(1,2343)	1:A:54:ILE:HG21	1:A:30:LYS:HE2	3	0.15
(1,2343)	1:A:54:ILE:HG23	1:A:30:LYS:HE2	3	0.15
(1,2343)	1:A:54:ILE:HG22	1:A:30:LYS:HE3	3	0.15
(1,2343)	1:A:54:ILE:HG21	1:A:30:LYS:HE3	3	0.15
(1,2343)	1:A:54:ILE:HG23	1:A:30:LYS:HE3	3	0.15
(1,2343)	1:A:54:ILE:HG22	1:A:59:GLN:HG3	3	0.15
(1,2343)	1:A:54:ILE:HG21	1:A:59:GLN:HG3	3	0.15
(1,2343)	1:A:54:ILE:HG23	1:A:59:GLN:HG3	3	0.15
(1,2343)	1:A:57:ILE:HG22	1:A:59:GLN:HG3	3	0.15
(1,2343)	1:A:57:ILE:HG21	1:A:59:GLN:HG3	3	0.15
(1,2343)	1:A:57:ILE:HG23	1:A:59:GLN:HG3	3	0.15
(1,2332)	1:B:86:HIS:HB3	1:B:83:LYS:HE2	20	0.15
(1,2332)	1:B:83:LYS:HE3	1:B:86:HIS:HB3	20	0.15
(1,2331)	1:A:86:HIS:HB3	1:A:83:LYS:HE2	20	0.15
(1,2331)	1:A:83:LYS:HE3	1:A:86:HIS:HB3	20	0.15
(1,2330)	1:B:39:LYS:HE3	1:B:35:GLN:HB2	4	0.15
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	4	0.15
(1,2314)	1:B:54:ILE:HB	1:B:55:ASP:HB2	19	0.15
(1,2314)	1:B:54:ILE:HB	1:B:55:ASP:HB3	19	0.15
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	13	0.15
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	13	0.15
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	1	0.15
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	1	0.15
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	15	0.15
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	15	0.15
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	15	0.15
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	15	0.15
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	15	0.15
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	15	0.15
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	15	0.15
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	15	0.15
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	15	0.15
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	15	0.15
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	15	0.15
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	15	0.15
(1,2262)	1:B:72:GLN:HG2	1:A:83:LYS:HE2	3	0.15
(1,2262)	1:B:72:GLN:HG3	1:A:83:LYS:HE2	3	0.15
(1,2262)	1:B:72:GLN:HG2	1:A:83:LYS:HE3	3	0.15
(1,2262)	1:B:72:GLN:HG3	1:A:83:LYS:HE3	3	0.15
(1,2262)	1:B:72:GLN:HG2	1:A:83:LYS:HE2	18	0.15
(1,2262)	1:B:72:GLN:HG3	1:A:83:LYS:HE2	18	0.15
(1,2262)	1:B:72:GLN:HG2	1:A:83:LYS:HE3	18	0.15
(1,2262)	1:B:72:GLN:HG3	1:A:83:LYS:HE3	18	0.15
(1,2261)	1:A:72:GLN:HG2	1:B:83:LYS:HE2	3	0.15
(1,2261)	1:A:72:GLN:HG3	1:B:83:LYS:HE2	3	0.15
(1,2261)	1:A:72:GLN:HG2	1:B:83:LYS:HE3	3	0.15
(1,2261)	1:A:72:GLN:HG3	1:B:83:LYS:HE3	3	0.15
(1,2261)	1:A:72:GLN:HG2	1:B:83:LYS:HE2	18	0.15
(1,2261)	1:A:72:GLN:HG3	1:B:83:LYS:HE2	18	0.15
(1,2261)	1:A:72:GLN:HG2	1:B:83:LYS:HE3	18	0.15
(1,2261)	1:A:72:GLN:HG3	1:B:83:LYS:HE3	18	0.15
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	19	0.15
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	19	0.15
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	19	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	19	0.15
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	19	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	19	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	19	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	19	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	19	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	19	0.15
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	19	0.15
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	19	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	19	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	19	0.15
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	20	0.15
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	20	0.15
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	20	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	20	0.15
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	20	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	20	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	20	0.15
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	20	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	20	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	20	0.15
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	20	0.15
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	20	0.15
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	20	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	20	0.15
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	20	0.15
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	14	0.15
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	14	0.15
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	14	0.15
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	14	0.15
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	14	0.15
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	14	0.15
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	14	0.15
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	14	0.15
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	14	0.15
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	14	0.15
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	14	0.15
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	14	0.15
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	14	0.15
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	14	0.15
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	14	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE2	12	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE3	12	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE2	12	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE3	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE2	12	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE3	12	0.15
(1,2190)	1:B:37:LEU:HB3	1:B:58:PHE:HB3	12	0.15
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE2	12	0.15
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE3	12	0.15
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE2	12	0.15
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE3	12	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE2	12	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE3	12	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE2	12	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE3	12	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE2	12	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE3	12	0.15
(1,2189)	1:A:37:LEU:HB3	1:A:58:PHE:HB3	12	0.15
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE2	12	0.15
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE3	12	0.15
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE2	12	0.15
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE3	12	0.15
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	3	0.15
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	3	0.15
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	3	0.15
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	10	0.15
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	10	0.15
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	10	0.15
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	12	0.15
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	12	0.15
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	12	0.15
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	19	0.15
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	19	0.15
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	19	0.15
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	12	0.15
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	12	0.15
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	12	0.15
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	12	0.15
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	12	0.15
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	12	0.15
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	13	0.15
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	13	0.15
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	13	0.15
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	13	0.15
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	13	0.15
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	12	0.15
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	12	0.15
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	12	0.15
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	12	0.15
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	12	0.15
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	12	0.15
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	13	0.15
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	13	0.15
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	13	0.15
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	13	0.15
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	13	0.15
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	13	0.15
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	8	0.15
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	8	0.15
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	8	0.15
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	8	0.15
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	10	0.15
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	10	0.15
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	10	0.15
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	10	0.15
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	10	0.15
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	10	0.15
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	10	0.15
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	10	0.15
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	10	0.15
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	14	0.15
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	14	0.15
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	14	0.15
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	14	0.15
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	14	0.15
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	14	0.15
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	14	0.15
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	14	0.15
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	14	0.15
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	5	0.15
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	5	0.15
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	5	0.15
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	5	0.15
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	5	0.15
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	5	0.15
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	10	0.15
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	10	0.15
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	10	0.15
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	10	0.15
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	10	0.15
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	18	0.15
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	18	0.15
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	18	0.15
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	18	0.15
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	18	0.15
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	18	0.15
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	5	0.15
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	5	0.15
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	5	0.15
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	5	0.15
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	5	0.15
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	5	0.15
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	10	0.15
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	10	0.15
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	10	0.15
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	10	0.15
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	10	0.15
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	10	0.15
(1,1738)	1:B:75:ILE:HG22	1:A:75:ILE:HG22	9	0.15
(1,1738)	1:B:75:ILE:HG22	1:A:75:ILE:HG21	9	0.15
(1,1738)	1:B:75:ILE:HG22	1:A:75:ILE:HG23	9	0.15
(1,1738)	1:B:75:ILE:HG21	1:A:75:ILE:HG22	9	0.15
(1,1738)	1:B:75:ILE:HG21	1:A:75:ILE:HG21	9	0.15
(1,1738)	1:B:75:ILE:HG21	1:A:75:ILE:HG23	9	0.15
(1,1738)	1:B:75:ILE:HG23	1:A:75:ILE:HG22	9	0.15
(1,1738)	1:B:75:ILE:HG23	1:A:75:ILE:HG21	9	0.15
(1,1738)	1:B:75:ILE:HG23	1:A:75:ILE:HG23	9	0.15
(1,1738)	1:B:75:ILE:HG22	1:A:82:LEU:HD12	9	0.15
(1,1738)	1:B:75:ILE:HG22	1:A:82:LEU:HD11	9	0.15
(1,1738)	1:B:75:ILE:HG22	1:A:82:LEU:HD13	9	0.15
(1,1738)	1:B:75:ILE:HG21	1:A:82:LEU:HD12	9	0.15
(1,1738)	1:B:75:ILE:HG21	1:A:82:LEU:HD11	9	0.15
(1,1738)	1:B:75:ILE:HG21	1:A:82:LEU:HD13	9	0.15
(1,1738)	1:B:75:ILE:HG23	1:A:82:LEU:HD12	9	0.15
(1,1738)	1:B:75:ILE:HG23	1:A:82:LEU:HD11	9	0.15
(1,1738)	1:B:75:ILE:HG23	1:A:82:LEU:HD13	9	0.15
(1,1737)	1:A:75:ILE:HG22	1:B:75:ILE:HG22	9	0.15
(1,1737)	1:A:75:ILE:HG22	1:B:75:ILE:HG21	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:A:75:ILE:HG22	1:B:75:ILE:HG23	9	0.15
(1,1737)	1:A:75:ILE:HG21	1:B:75:ILE:HG22	9	0.15
(1,1737)	1:A:75:ILE:HG21	1:B:75:ILE:HG21	9	0.15
(1,1737)	1:A:75:ILE:HG21	1:B:75:ILE:HG23	9	0.15
(1,1737)	1:A:75:ILE:HG23	1:B:75:ILE:HG22	9	0.15
(1,1737)	1:A:75:ILE:HG23	1:B:75:ILE:HG21	9	0.15
(1,1737)	1:A:75:ILE:HG23	1:B:75:ILE:HG23	9	0.15
(1,1737)	1:A:75:ILE:HG22	1:B:82:LEU:HD12	9	0.15
(1,1737)	1:A:75:ILE:HG22	1:B:82:LEU:HD11	9	0.15
(1,1737)	1:A:75:ILE:HG22	1:B:82:LEU:HD13	9	0.15
(1,1737)	1:A:75:ILE:HG21	1:B:82:LEU:HD12	9	0.15
(1,1737)	1:A:75:ILE:HG21	1:B:82:LEU:HD11	9	0.15
(1,1737)	1:A:75:ILE:HG21	1:B:82:LEU:HD13	9	0.15
(1,1737)	1:A:75:ILE:HG23	1:B:82:LEU:HD12	9	0.15
(1,1737)	1:A:75:ILE:HG23	1:B:82:LEU:HD11	9	0.15
(1,1737)	1:A:75:ILE:HG23	1:B:82:LEU:HD13	9	0.15
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD22	12	0.15
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD21	12	0.15
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD23	12	0.15
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD12	12	0.15
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD11	12	0.15
(1,1715)	1:A:36:LEU:HG	1:B:8:LEU:HD13	12	0.15
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD22	12	0.15
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD21	12	0.15
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD23	12	0.15
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD12	12	0.15
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD11	12	0.15
(1,1715)	1:A:48:ILE:HG13	1:B:8:LEU:HD13	12	0.15
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	14	0.15
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	14	0.15
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	14	0.15
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	15	0.15
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	15	0.15
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	15	0.15
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	6	0.15
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	6	0.15
(1,1560)	1:B:77:LEU:H	1:B:61:LEU:HB2	3	0.15
(1,1559)	1:A:77:LEU:H	1:A:61:LEU:HB2	3	0.15
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	10	0.15
(1,1523)	1:A:60:GLY:H	1:A:57:ILE:HB	11	0.15
(1,1460)	1:B:32:GLU:H	1:B:32:GLU:HG2	12	0.15
(1,1460)	1:B:32:GLU:H	1:B:32:GLU:HG3	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:A:32:GLU:H	1:A:32:GLU:HG2	12	0.15
(1,1459)	1:A:32:GLU:H	1:A:32:GLU:HG3	12	0.15
(1,1414)	1:B:59:GLN:H	1:B:59:GLN:HG3	12	0.15
(1,1413)	1:A:59:GLN:H	1:A:59:GLN:HG3	12	0.15
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	1	0.15
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	2	0.15
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	5	0.15
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	6	0.15
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	13	0.15
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	19	0.15
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	1	0.15
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	6	0.15
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	13	0.15
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	19	0.15
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	2	0.14
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	10	0.14
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	17	0.14
(3,17)	1:A:18:TYR:H	1:A:14:ILE:O	18	0.14
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	2	0.14
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	10	0.14
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	17	0.14
(3,104)	1:B:40:GLU:N	1:B:36:LEU:O	12	0.14
(2,95)	1:A:83:LYS:H	1:A:79:ALA:H	12	0.14
(2,16)	1:B:39:LYS:HB2	1:B:42:ALA:H	1	0.14
(2,15)	1:A:39:LYS:HB2	1:A:42:ALA:H	1	0.14
(1,911)	1:A:92:GLU:H	1:A:91:LYS:H	13	0.14
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	1	0.14
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	1	0.14
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	1	0.14
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	1	0.14
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	1	0.14
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	1	0.14
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	1	0.14
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	1	0.14
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	1	0.14
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	4	0.14
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	4	0.14
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	4	0.14
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	4	0.14
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	4	0.14
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	4	0.14
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	4	0.14
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	4	0.14
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	7	0.14
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	7	0.14
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	7	0.14
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	7	0.14
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	7	0.14
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	7	0.14
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	7	0.14
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	7	0.14
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	7	0.14
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	1	0.14
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	1	0.14
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	1	0.14
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	1	0.14
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	1	0.14
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	1	0.14
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	1	0.14
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	1	0.14
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	1	0.14
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	4	0.14
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	4	0.14
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	4	0.14
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	4	0.14
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	4	0.14
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	4	0.14
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	4	0.14
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	4	0.14
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	4	0.14
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	7	0.14
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	7	0.14
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	7	0.14
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	7	0.14
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	7	0.14
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	7	0.14
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	7	0.14
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	7	0.14
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	7	0.14
(1,650)	1:B:49:LYS:HG2	1:B:49:LYS:HA	2	0.14
(1,650)	1:B:49:LYS:HG3	1:B:49:LYS:HA	2	0.14
(1,650)	1:B:49:LYS:HG2	1:B:49:LYS:HA	6	0.14
(1,650)	1:B:49:LYS:HG3	1:B:49:LYS:HA	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:B:49:LYS:HG2	1:B:49:LYS:HA	13	0.14
(1,650)	1:B:49:LYS:HG3	1:B:49:LYS:HA	13	0.14
(1,649)	1:A:49:LYS:HG2	1:A:49:LYS:HA	2	0.14
(1,649)	1:A:49:LYS:HG3	1:A:49:LYS:HA	2	0.14
(1,649)	1:A:49:LYS:HG2	1:A:49:LYS:HA	5	0.14
(1,649)	1:A:49:LYS:HG3	1:A:49:LYS:HA	5	0.14
(1,649)	1:A:49:LYS:HG2	1:A:49:LYS:HA	6	0.14
(1,649)	1:A:49:LYS:HG3	1:A:49:LYS:HA	6	0.14
(1,649)	1:A:49:LYS:HG2	1:A:49:LYS:HA	7	0.14
(1,649)	1:A:49:LYS:HG3	1:A:49:LYS:HA	7	0.14
(1,649)	1:A:49:LYS:HG2	1:A:49:LYS:HA	13	0.14
(1,649)	1:A:49:LYS:HG3	1:A:49:LYS:HA	13	0.14
(1,614)	1:B:75:ILE:HG12	1:B:75:ILE:HA	9	0.14
(1,613)	1:A:75:ILE:HG12	1:A:75:ILE:HA	9	0.14
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD2	11	0.14
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD3	11	0.14
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD2	11	0.14
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD3	11	0.14
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD2	11	0.14
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD3	11	0.14
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD2	11	0.14
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD3	11	0.14
(1,556)	1:B:45:ILE:HB	1:B:44:THR:HB	7	0.14
(1,555)	1:A:45:ILE:HB	1:A:44:THR:HB	7	0.14
(1,555)	1:A:45:ILE:HB	1:A:44:THR:HB	18	0.14
(1,546)	1:B:46:LYS:HD2	1:B:46:LYS:HB3	9	0.14
(1,545)	1:A:46:LYS:HD2	1:A:46:LYS:HB3	9	0.14
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	2	0.14
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	2	0.14
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	2	0.14
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	2	0.14
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	2	0.14
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	2	0.14
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	16	0.14
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	16	0.14
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	16	0.14
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	16	0.14
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	16	0.14
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	16	0.14
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	16	0.14
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	16	0.14
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	16	0.14
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	16	0.14
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	16	0.14
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG22	4	0.14
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG21	4	0.14
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG23	4	0.14
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG22	4	0.14
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG21	4	0.14
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG23	4	0.14
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG22	9	0.14
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG21	9	0.14
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG23	9	0.14
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG22	9	0.14
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG21	9	0.14
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG23	9	0.14
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG22	4	0.14
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG21	4	0.14
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG23	4	0.14
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG22	4	0.14
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG21	4	0.14
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG23	4	0.14
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG22	9	0.14
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG21	9	0.14
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG23	9	0.14
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG22	9	0.14
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG21	9	0.14
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG23	9	0.14
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD22	13	0.14
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD21	13	0.14
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD23	13	0.14
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD12	13	0.14
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD11	13	0.14
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD13	13	0.14
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD22	13	0.14
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD21	13	0.14
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD23	13	0.14
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD12	13	0.14
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD11	13	0.14
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD13	13	0.14
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	18	0.14
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	18	0.14
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	18	0.14
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	6	0.14
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	6	0.14
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	6	0.14
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	6	0.14
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	18	0.14
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	18	0.14
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	18	0.14
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	18	0.14
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	6	0.14
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	6	0.14
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	6	0.14
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	20	0.14
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	20	0.14
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	20	0.14
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	6	0.14
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	6	0.14
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	6	0.14
(1,36)	1:B:90:HIS:H	1:B:89:THR:HB	11	0.14
(1,3580)	1:B:8:LEU:H	1:B:78:VAL:HB	7	0.14
(1,3580)	1:B:8:LEU:H	1:A:40:GLU:HB3	7	0.14
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB2	7	0.14
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB3	7	0.14
(1,3580)	1:B:8:LEU:H	1:A:78:VAL:HB	7	0.14
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	18	0.14
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	18	0.14
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	18	0.14
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	18	0.14
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	1	0.14
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	1	0.14
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	1	0.14
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	1	0.14
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE2	10	0.14
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE3	10	0.14
(1,3444)	1:B:41:LEU:H	1:B:43:ASN:HB2	10	0.14
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE2	10	0.14
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE3	10	0.14
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE2	11	0.14
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE3	11	0.14
(1,3444)	1:B:41:LEU:H	1:B:43:ASN:HB2	11	0.14
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE2	11	0.14
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE3	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE2	10	0.14
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE3	10	0.14
(1,3443)	1:A:41:LEU:H	1:A:43:ASN:HB2	10	0.14
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE2	10	0.14
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE3	10	0.14
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	6	0.14
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	6	0.14
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	11	0.14
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	11	0.14
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB2	15	0.14
(1,343)	1:A:83:LYS:HE3	1:A:87:TYR:HB3	15	0.14
(1,3334)	1:B:69:VAL:H	1:B:29:SER:HB3	4	0.14
(1,3334)	1:B:69:VAL:H	1:B:33:LEU:HA	4	0.14
(1,3333)	1:A:69:VAL:H	1:A:29:SER:HB3	4	0.14
(1,3333)	1:A:69:VAL:H	1:A:33:LEU:HA	4	0.14
(1,3292)	1:B:84:ALA:H	1:B:92:GLU:H	8	0.14
(1,3292)	1:B:92:GLU:H	1:B:89:THR:H	8	0.14
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	13	0.14
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	13	0.14
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	13	0.14
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	13	0.14
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	13	0.14
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	13	0.14
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	13	0.14
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	13	0.14
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	13	0.14
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	13	0.14
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	13	0.14
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	13	0.14
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	13	0.14
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	13	0.14
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	13	0.14
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	20	0.14
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	20	0.14
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	20	0.14
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	20	0.14
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	20	0.14
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	20	0.14
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	20	0.14
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	20	0.14
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	20	0.14
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	20	0.14
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	20	0.14
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	20	0.14
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	20	0.14
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	20	0.14
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	13	0.14
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	13	0.14
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	13	0.14
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	13	0.14
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	13	0.14
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	13	0.14
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	13	0.14
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	13	0.14
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	13	0.14
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	13	0.14
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	13	0.14
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	13	0.14
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	13	0.14
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	13	0.14
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	13	0.14
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	20	0.14
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	20	0.14
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	20	0.14
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	20	0.14
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	20	0.14
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	20	0.14
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	20	0.14
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	20	0.14
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	20	0.14
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	20	0.14
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	20	0.14
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	20	0.14
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	20	0.14
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	20	0.14
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	20	0.14
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD12	10	0.14
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD11	10	0.14
(1,3178)	1:B:83:LYS:HE2	1:A:75:ILE:HD13	10	0.14
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD12	10	0.14
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD11	10	0.14
(1,3178)	1:B:83:LYS:HE3	1:A:75:ILE:HD13	10	0.14
(1,3178)	1:B:45:ILE:HG22	1:B:91:LYS:HE2	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3178)	1:B:45:ILE:HG22	1:B:91:LYS:HE3	10	0.14
(1,3178)	1:B:45:ILE:HG21	1:B:91:LYS:HE2	10	0.14
(1,3178)	1:B:45:ILE:HG21	1:B:91:LYS:HE3	10	0.14
(1,3178)	1:B:45:ILE:HG23	1:B:91:LYS:HE2	10	0.14
(1,3178)	1:B:45:ILE:HG23	1:B:91:LYS:HE3	10	0.14
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD12	18	0.14
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD11	18	0.14
(1,3177)	1:A:83:LYS:HE2	1:B:75:ILE:HD13	18	0.14
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD12	18	0.14
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD11	18	0.14
(1,3177)	1:A:83:LYS:HE3	1:B:75:ILE:HD13	18	0.14
(1,3177)	1:A:45:ILE:HG22	1:A:91:LYS:HE2	18	0.14
(1,3177)	1:A:45:ILE:HG22	1:A:91:LYS:HE3	18	0.14
(1,3177)	1:A:45:ILE:HG21	1:A:91:LYS:HE2	18	0.14
(1,3177)	1:A:45:ILE:HG21	1:A:91:LYS:HE3	18	0.14
(1,3177)	1:A:45:ILE:HG23	1:A:91:LYS:HE2	18	0.14
(1,3177)	1:A:45:ILE:HG23	1:A:91:LYS:HE3	18	0.14
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	2	0.14
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	2	0.14
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	3	0.14
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	3	0.14
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	15	0.14
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	15	0.14
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	16	0.14
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	16	0.14
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	20	0.14
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	20	0.14
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	2	0.14
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	2	0.14
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	3	0.14
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	3	0.14
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	15	0.14
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	15	0.14
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	20	0.14
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	20	0.14
(1,2698)	1:B:45:ILE:HB	1:B:48:ILE:HA	9	0.14
(1,2698)	1:B:49:LYS:HD2	1:B:48:ILE:HA	9	0.14
(1,2698)	1:B:49:LYS:HD3	1:B:48:ILE:HA	9	0.14
(1,2697)	1:A:45:ILE:HB	1:A:48:ILE:HA	9	0.14
(1,2697)	1:A:49:LYS:HD2	1:A:48:ILE:HA	9	0.14
(1,2697)	1:A:49:LYS:HD3	1:A:48:ILE:HA	9	0.14
(1,2696)	1:B:57:ILE:HA	1:B:45:ILE:HB	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2696)	1:B:61:LEU:HB2	1:B:57:ILE:HA	7	0.14
(1,2696)	1:B:57:ILE:HA	1:B:91:LYS:HD3	7	0.14
(1,2695)	1:A:57:ILE:HA	1:A:45:ILE:HB	7	0.14
(1,2695)	1:A:61:LEU:HB2	1:A:57:ILE:HA	7	0.14
(1,2695)	1:A:57:ILE:HA	1:A:91:LYS:HD3	7	0.14
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	4	0.14
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	4	0.14
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	4	0.14
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	20	0.14
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	20	0.14
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	20	0.14
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	3	0.14
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	3	0.14
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	3	0.14
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	4	0.14
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	4	0.14
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	4	0.14
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	20	0.14
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	20	0.14
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	20	0.14
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB2	9	0.14
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB3	9	0.14
(1,2670)	1:B:54:ILE:HB	1:B:57:ILE:HB	9	0.14
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB2	12	0.14
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB3	12	0.14
(1,2670)	1:B:54:ILE:HB	1:B:57:ILE:HB	12	0.14
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB2	9	0.14
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB3	9	0.14
(1,2669)	1:A:54:ILE:HB	1:A:57:ILE:HB	9	0.14
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB2	12	0.14
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB3	12	0.14
(1,2669)	1:A:54:ILE:HB	1:A:57:ILE:HB	12	0.14
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	10	0.14
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	10	0.14
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	10	0.14
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	10	0.14
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	10	0.14
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	10	0.14
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	10	0.14
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	10	0.14
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	10	0.14
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	10	0.14
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	10	0.14
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	10	0.14
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	10	0.14
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	10	0.14
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	10	0.14
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	10	0.14
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	10	0.14
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	10	0.14
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	10	0.14
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	2	0.14
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	2	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	2	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	2	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	2	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	2	0.14
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	9	0.14
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	9	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	9	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	9	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	9	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	9	0.14
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	10	0.14
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	10	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	10	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	10	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	10	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	10	0.14
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	11	0.14
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	11	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	11	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	11	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	11	0.14
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	11	0.14
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	2	0.14
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	2	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	2	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	2	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	2	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	2	0.14
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	4	0.14
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	4	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	4	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	4	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	4	0.14
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	9	0.14
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	9	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	9	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	9	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	9	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	9	0.14
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	11	0.14
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	11	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	11	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	11	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	11	0.14
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	11	0.14
(1,2612)	1:B:51:LYS:HB2	1:B:50:ASP:HB2	7	0.14
(1,2612)	1:B:51:LYS:HB3	1:B:50:ASP:HB2	7	0.14
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	7	0.14
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	7	0.14
(1,2612)	1:B:91:LYS:HE2	1:B:80:ILE:HB	7	0.14
(1,2612)	1:B:91:LYS:HE3	1:B:80:ILE:HB	7	0.14
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	7	0.14
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	7	0.14
(1,2612)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	7	0.14
(1,2612)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	7	0.14
(1,2612)	1:B:51:LYS:HB2	1:B:50:ASP:HB2	18	0.14
(1,2612)	1:B:51:LYS:HB3	1:B:50:ASP:HB2	18	0.14
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	18	0.14
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	18	0.14
(1,2612)	1:B:91:LYS:HE2	1:B:80:ILE:HB	18	0.14
(1,2612)	1:B:91:LYS:HE3	1:B:80:ILE:HB	18	0.14
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	18	0.14
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	18	0.14
(1,2612)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	18	0.14
(1,2612)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	18	0.14
(1,2611)	1:A:51:LYS:HB2	1:A:50:ASP:HB2	7	0.14
(1,2611)	1:A:51:LYS:HB3	1:A:50:ASP:HB2	7	0.14
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	7	0.14
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	7	0.14
(1,2611)	1:A:91:LYS:HE2	1:A:80:ILE:HB	7	0.14
(1,2611)	1:A:91:LYS:HE3	1:A:80:ILE:HB	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	7	0.14
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	7	0.14
(1,2611)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	7	0.14
(1,2611)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	7	0.14
(1,2611)	1:A:51:LYS:HB2	1:A:50:ASP:HB2	18	0.14
(1,2611)	1:A:51:LYS:HB3	1:A:50:ASP:HB2	18	0.14
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	18	0.14
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	18	0.14
(1,2611)	1:A:91:LYS:HE2	1:A:80:ILE:HB	18	0.14
(1,2611)	1:A:91:LYS:HE3	1:A:80:ILE:HB	18	0.14
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	18	0.14
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	18	0.14
(1,2611)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	18	0.14
(1,2611)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	18	0.14
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	10	0.14
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	10	0.14
(1,2562)	1:B:91:LYS:HE2	1:B:80:ILE:HB	10	0.14
(1,2562)	1:B:91:LYS:HE3	1:B:80:ILE:HB	10	0.14
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	10	0.14
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	10	0.14
(1,2562)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	10	0.14
(1,2562)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	10	0.14
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	14	0.14
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	14	0.14
(1,2562)	1:B:91:LYS:HE2	1:B:80:ILE:HB	14	0.14
(1,2562)	1:B:91:LYS:HE3	1:B:80:ILE:HB	14	0.14
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	14	0.14
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	14	0.14
(1,2562)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	14	0.14
(1,2562)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	14	0.14
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	10	0.14
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	10	0.14
(1,2561)	1:A:91:LYS:HE2	1:A:80:ILE:HB	10	0.14
(1,2561)	1:A:91:LYS:HE3	1:A:80:ILE:HB	10	0.14
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	10	0.14
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	10	0.14
(1,2561)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	10	0.14
(1,2561)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	10	0.14
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	14	0.14
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	14	0.14
(1,2561)	1:A:91:LYS:HE2	1:A:80:ILE:HB	14	0.14
(1,2561)	1:A:91:LYS:HE3	1:A:80:ILE:HB	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	14	0.14
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	14	0.14
(1,2561)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	14	0.14
(1,2561)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	14	0.14
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	11	0.14
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	11	0.14
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	11	0.14
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	11	0.14
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	12	0.14
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	12	0.14
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	3	0.14
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	3	0.14
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	1	0.14
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	1	0.14
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	3	0.14
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	3	0.14
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	12	0.14
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	12	0.14
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	12	0.14
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	17	0.14
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	17	0.14
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	17	0.14
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	18	0.14
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	18	0.14
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	18	0.14
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	17	0.14
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	17	0.14
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	17	0.14
(1,2408)	1:B:52:ALA:HB2	1:B:53:VAL:HB	20	0.14
(1,2408)	1:B:52:ALA:HB1	1:B:53:VAL:HB	20	0.14
(1,2408)	1:B:52:ALA:HB3	1:B:53:VAL:HB	20	0.14
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG2	20	0.14
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG2	20	0.14
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG2	20	0.14
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG3	20	0.14
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG3	20	0.14
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG3	20	0.14
(1,2407)	1:A:52:ALA:HB2	1:A:53:VAL:HB	20	0.14
(1,2407)	1:A:52:ALA:HB1	1:A:53:VAL:HB	20	0.14
(1,2407)	1:A:52:ALA:HB3	1:A:53:VAL:HB	20	0.14
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG2	20	0.14
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG2	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG2	20	0.14
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG3	20	0.14
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG3	20	0.14
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG3	20	0.14
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG2	8	0.14
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG3	8	0.14
(1,2386)	1:B:8:LEU:HB2	1:B:12:VAL:HB	8	0.14
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG2	8	0.14
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG3	8	0.14
(1,2386)	1:B:8:LEU:HB3	1:B:12:VAL:HB	8	0.14
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG2	8	0.14
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG3	8	0.14
(1,2385)	1:A:8:LEU:HB2	1:A:12:VAL:HB	8	0.14
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG2	8	0.14
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG3	8	0.14
(1,2385)	1:A:8:LEU:HB3	1:A:12:VAL:HB	8	0.14
(1,2336)	1:B:30:LYS:HE2	1:B:58:PHE:HB3	12	0.14
(1,2336)	1:B:58:PHE:HB3	1:B:59:GLN:HG3	12	0.14
(1,2335)	1:A:30:LYS:HE2	1:A:58:PHE:HB3	12	0.14
(1,2335)	1:A:58:PHE:HB3	1:A:59:GLN:HG3	12	0.14
(1,2329)	1:A:39:LYS:HE3	1:A:35:GLN:HB2	4	0.14
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	4	0.14
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	4	0.14
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB2	14	0.14
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB3	14	0.14
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB2	19	0.14
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB3	19	0.14
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	1	0.14
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	1	0.14
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	4	0.14
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	4	0.14
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	4	0.14
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	4	0.14
(1,2265)	1:A:53:VAL:HG12	1:A:47:ASN:HB3	11	0.14
(1,2265)	1:A:53:VAL:HG11	1:A:47:ASN:HB3	11	0.14
(1,2265)	1:A:53:VAL:HG13	1:A:47:ASN:HB3	11	0.14
(1,2265)	1:A:53:VAL:HG12	1:A:50:ASP:HB2	11	0.14
(1,2265)	1:A:53:VAL:HG11	1:A:50:ASP:HB2	11	0.14
(1,2265)	1:A:53:VAL:HG13	1:A:50:ASP:HB2	11	0.14
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	6	0.14
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	6	0.14
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	6	0.14
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	6	0.14
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	6	0.14
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	6	0.14
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	6	0.14
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	6	0.14
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	6	0.14
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	6	0.14
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	6	0.14
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	6	0.14
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	6	0.14
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	6	0.14
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	16	0.14
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	16	0.14
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	16	0.14
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	16	0.14
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	16	0.14
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	16	0.14
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	16	0.14
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	16	0.14
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	16	0.14
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	16	0.14
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	16	0.14
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	16	0.14
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	16	0.14
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	16	0.14
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	16	0.14
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	6	0.14
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	6	0.14
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	6	0.14
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	6	0.14
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	6	0.14
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	6	0.14
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	6	0.14
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	6	0.14
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	6	0.14
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	6	0.14
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	6	0.14
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	6	0.14
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	6	0.14
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	6	0.14
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	16	0.14
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	16	0.14
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	16	0.14
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	16	0.14
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	16	0.14
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	16	0.14
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	16	0.14
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	16	0.14
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	16	0.14
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	16	0.14
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	16	0.14
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	16	0.14
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	16	0.14
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	16	0.14
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	16	0.14
(1,2210)	1:B:61:LEU:HB2	1:B:74:PHE:HB2	9	0.14
(1,2210)	1:B:61:LEU:HB2	1:B:74:PHE:HB3	9	0.14
(1,2209)	1:A:61:LEU:HB2	1:A:74:PHE:HB2	9	0.14
(1,2209)	1:A:61:LEU:HB2	1:A:74:PHE:HB3	9	0.14
(1,2180)	1:B:87:TYR:HB2	1:B:88:HIS:HB3	2	0.14
(1,2180)	1:B:87:TYR:HB3	1:B:88:HIS:HB3	2	0.14
(1,2180)	1:B:13:ASN:HB2	1:B:16:HIS:HB2	2	0.14
(1,2180)	1:B:13:ASN:HB2	1:B:16:HIS:HB3	2	0.14
(1,2180)	1:B:13:ASN:HB3	1:B:16:HIS:HB2	2	0.14
(1,2180)	1:B:13:ASN:HB3	1:B:16:HIS:HB3	2	0.14
(1,2179)	1:A:87:TYR:HB2	1:A:88:HIS:HB3	2	0.14
(1,2179)	1:A:87:TYR:HB3	1:A:88:HIS:HB3	2	0.14
(1,2179)	1:A:13:ASN:HB2	1:A:16:HIS:HB2	2	0.14
(1,2179)	1:A:13:ASN:HB2	1:A:16:HIS:HB3	2	0.14
(1,2179)	1:A:13:ASN:HB3	1:A:16:HIS:HB2	2	0.14
(1,2179)	1:A:13:ASN:HB3	1:A:16:HIS:HB3	2	0.14
(1,2150)	1:B:59:GLN:HA	1:B:30:LYS:HA	14	0.14
(1,2150)	1:B:67:GLU:HA	1:B:30:LYS:HA	14	0.14
(1,2149)	1:A:59:GLN:HA	1:A:30:LYS:HA	14	0.14
(1,2149)	1:A:67:GLU:HA	1:A:30:LYS:HA	14	0.14
(1,208)	1:B:32:GLU:HG2	1:B:32:GLU:HA	11	0.14
(1,208)	1:B:32:GLU:HG3	1:B:32:GLU:HA	11	0.14
(1,207)	1:A:32:GLU:HG2	1:A:32:GLU:HA	11	0.14
(1,207)	1:A:32:GLU:HG3	1:A:32:GLU:HA	11	0.14
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	2	0.14
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	2	0.14
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	14	0.14
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	14	0.14
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	14	0.14
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	19	0.14
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	19	0.14
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	19	0.14
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	2	0.14
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	2	0.14
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	2	0.14
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	3	0.14
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	3	0.14
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	3	0.14
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	16	0.14
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	16	0.14
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	16	0.14
(1,2026)	1:B:82:LEU:HD12	1:B:82:LEU:HA	12	0.14
(1,2026)	1:B:82:LEU:HD11	1:B:82:LEU:HA	12	0.14
(1,2026)	1:B:82:LEU:HD13	1:B:82:LEU:HA	12	0.14
(1,2026)	1:B:82:LEU:HD12	1:A:8:LEU:HA	12	0.14
(1,2026)	1:B:82:LEU:HD11	1:A:8:LEU:HA	12	0.14
(1,2026)	1:B:82:LEU:HD13	1:A:8:LEU:HA	12	0.14
(1,2025)	1:A:82:LEU:HD12	1:A:82:LEU:HA	12	0.14
(1,2025)	1:A:82:LEU:HD11	1:A:82:LEU:HA	12	0.14
(1,2025)	1:A:82:LEU:HD13	1:A:82:LEU:HA	12	0.14
(1,2025)	1:A:82:LEU:HD12	1:B:8:LEU:HA	12	0.14
(1,2025)	1:A:82:LEU:HD11	1:B:8:LEU:HA	12	0.14
(1,2025)	1:A:82:LEU:HD13	1:B:8:LEU:HA	12	0.14
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	6	0.14
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	6	0.14
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	6	0.14
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	6	0.14
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	6	0.14
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	6	0.14
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	19	0.14
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	19	0.14
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	19	0.14
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	19	0.14
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	19	0.14
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	19	0.14
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	6	0.14
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	6	0.14
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	6	0.14
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	6	0.14
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	6	0.14
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	19	0.14
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	19	0.14
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	19	0.14
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	19	0.14
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	19	0.14
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	19	0.14
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	6	0.14
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	6	0.14
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	11	0.14
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	11	0.14
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	17	0.14
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	17	0.14
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	6	0.14
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	6	0.14
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	11	0.14
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	11	0.14
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	17	0.14
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	17	0.14
(1,1853)	1:A:53:VAL:H	1:A:55:ASP:HB2	9	0.14
(1,1853)	1:A:54:ILE:H	1:A:55:ASP:HB2	9	0.14
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	8	0.14
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	8	0.14
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	8	0.14
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	8	0.14
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	8	0.14
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	8	0.14
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	8	0.14
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	8	0.14
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	8	0.14
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	10	0.14
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	10	0.14
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	10	0.14
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	10	0.14
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	10	0.14
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	10	0.14
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	10	0.14
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	10	0.14
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	10	0.14
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	8	0.14
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	8	0.14
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	8	0.14
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	8	0.14
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	8	0.14
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	8	0.14
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	8	0.14
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	8	0.14
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	16	0.14
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	16	0.14
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	16	0.14
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	16	0.14
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	16	0.14
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	16	0.14
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	16	0.14
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	16	0.14
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	16	0.14
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	16	0.14
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	16	0.14
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	16	0.14
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	18	0.14
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	18	0.14
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	18	0.14
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	18	0.14
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	18	0.14
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	18	0.14
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD22	12	0.14
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD21	12	0.14
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD23	12	0.14
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD12	12	0.14
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD11	12	0.14
(1,1716)	1:B:36:LEU:HG	1:A:8:LEU:HD13	12	0.14
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD22	12	0.14
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD21	12	0.14
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD23	12	0.14
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD12	12	0.14
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD11	12	0.14
(1,1716)	1:B:48:ILE:HG13	1:A:8:LEU:HD13	12	0.14
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	5	0.14
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	5	0.14
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	5	0.14
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	15	0.14
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	15	0.14
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	5	0.14
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	5	0.14
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	5	0.14
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	14	0.14
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	14	0.14
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	14	0.14
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB2	2	0.14
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB2	2	0.14
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB2	2	0.14
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB3	2	0.14
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB3	2	0.14
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB3	2	0.14
(1,1698)	1:B:8:LEU:HG	1:A:11:ILE:HB	2	0.14
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG2	2	0.14
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG3	2	0.14
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB2	16	0.14
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB2	16	0.14
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB2	16	0.14
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB3	16	0.14
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB3	16	0.14
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB3	16	0.14
(1,1698)	1:B:8:LEU:HG	1:A:11:ILE:HB	16	0.14
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG2	16	0.14
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG3	16	0.14
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB2	2	0.14
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB2	2	0.14
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB2	2	0.14
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB3	2	0.14
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB3	2	0.14
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB3	2	0.14
(1,1697)	1:A:8:LEU:HG	1:B:11:ILE:HB	2	0.14
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG2	2	0.14
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG3	2	0.14
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB2	14	0.14
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB2	14	0.14
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB2	14	0.14
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB3	14	0.14
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB3	14	0.14
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB3	14	0.14
(1,1697)	1:A:8:LEU:HG	1:B:11:ILE:HB	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG2	14	0.14
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG3	14	0.14
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB2	16	0.14
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB2	16	0.14
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB2	16	0.14
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB3	16	0.14
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB3	16	0.14
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB3	16	0.14
(1,1697)	1:A:8:LEU:HG	1:B:11:ILE:HB	16	0.14
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG2	16	0.14
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG3	16	0.14
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	10	0.14
(1,1524)	1:B:60:GLY:H	1:B:57:ILE:HB	4	0.14
(1,1523)	1:A:60:GLY:H	1:A:57:ILE:HB	4	0.14
(1,1500)	1:B:83:LYS:H	1:B:83:LYS:HB3	1	0.14
(1,1499)	1:A:83:LYS:H	1:A:83:LYS:HB3	1	0.14
(1,1482)	1:B:3:LYS:H	1:B:6:GLU:HB2	17	0.14
(1,1482)	1:B:3:LYS:H	1:B:6:GLU:HB3	17	0.14
(1,1481)	1:A:3:LYS:H	1:A:6:GLU:HB2	17	0.14
(1,1481)	1:A:3:LYS:H	1:A:6:GLU:HB3	17	0.14
(1,1460)	1:B:32:GLU:H	1:B:32:GLU:HG2	14	0.14
(1,1460)	1:B:32:GLU:H	1:B:32:GLU:HG3	14	0.14
(1,1459)	1:A:32:GLU:H	1:A:32:GLU:HG2	14	0.14
(1,1459)	1:A:32:GLU:H	1:A:32:GLU:HG3	14	0.14
(1,1413)	1:A:59:GLN:H	1:A:59:GLN:HG3	17	0.14
(1,1409)	1:A:49:LYS:H	1:A:50:ASP:HB3	18	0.14
(1,1390)	1:B:86:HIS:H	1:B:86:HIS:HB2	19	0.14
(1,1389)	1:A:86:HIS:H	1:A:86:HIS:HB2	19	0.14
(1,1368)	1:B:52:ALA:H	1:B:50:ASP:HB2	11	0.14
(1,1098)	1:B:54:ILE:H	1:B:50:ASP:HA	4	0.14
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	2	0.14
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	4	0.14
(1,1097)	1:A:54:ILE:H	1:A:50:ASP:HA	5	0.14
(3,89)	1:B:18:TYR:H	1:B:14:ILE:O	11	0.13
(3,89)	1:B:18:TYR:H	1:B:14:ILE:O	18	0.13
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	3	0.13
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	6	0.13
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	14	0.13
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	20	0.13
(3,43)	1:A:60:GLY:H	1:A:56:GLU:O	20	0.13
(3,32)	1:A:40:GLU:N	1:A:36:LEU:O	6	0.13
(3,32)	1:A:40:GLU:N	1:A:36:LEU:O	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,32)	1:A:40:GLU:N	1:A:36:LEU:O	17	0.13
(3,17)	1:A:18:TYR:H	1:A:14:ILE:O	11	0.13
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	3	0.13
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	6	0.13
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	14	0.13
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	20	0.13
(3,115)	1:B:60:GLY:H	1:B:56:GLU:O	20	0.13
(3,104)	1:B:40:GLU:N	1:B:36:LEU:O	6	0.13
(3,104)	1:B:40:GLU:N	1:B:36:LEU:O	17	0.13
(2,96)	1:B:83:LYS:H	1:B:79:ALA:H	10	0.13
(2,95)	1:A:83:LYS:H	1:A:79:ALA:H	10	0.13
(2,16)	1:B:39:LYS:HB2	1:B:42:ALA:H	2	0.13
(2,15)	1:A:39:LYS:HB2	1:A:42:ALA:H	2	0.13
(2,128)	1:B:18:TYR:H	1:B:36:LEU:HA	14	0.13
(2,127)	1:A:18:TYR:H	1:A:36:LEU:HA	14	0.13
(2,108)	1:B:3:LYS:H	1:A:40:GLU:HA	12	0.13
(2,107)	1:A:3:LYS:H	1:B:40:GLU:HA	12	0.13
(1,918)	1:B:91:LYS:H	1:B:90:HIS:H	9	0.13
(1,912)	1:B:92:GLU:H	1:B:91:LYS:H	13	0.13
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	9	0.13
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	9	0.13
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	9	0.13
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	9	0.13
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	9	0.13
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	9	0.13
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	9	0.13
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	9	0.13
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	9	0.13
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	9	0.13
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	9	0.13
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	9	0.13
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	9	0.13
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	9	0.13
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	9	0.13
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	9	0.13
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	9	0.13
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	9	0.13
(1,76)	1:B:41:LEU:H	1:B:40:GLU:HG2	19	0.13
(1,76)	1:B:41:LEU:H	1:B:40:GLU:HG3	19	0.13
(1,75)	1:A:41:LEU:H	1:A:40:GLU:HG2	19	0.13
(1,75)	1:A:41:LEU:H	1:A:40:GLU:HG3	19	0.13
(1,71)	1:A:49:LYS:H	1:A:53:VAL:HG12	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:A:49:LYS:H	1:A:53:VAL:HG11	16	0.13
(1,71)	1:A:49:LYS:H	1:A:53:VAL:HG13	16	0.13
(1,650)	1:B:49:LYS:HG2	1:B:49:LYS:HA	5	0.13
(1,650)	1:B:49:LYS:HG3	1:B:49:LYS:HA	5	0.13
(1,650)	1:B:49:LYS:HG2	1:B:49:LYS:HA	7	0.13
(1,650)	1:B:49:LYS:HG3	1:B:49:LYS:HA	7	0.13
(1,556)	1:B:45:ILE:HB	1:B:44:THR:HB	6	0.13
(1,555)	1:A:45:ILE:HB	1:A:44:THR:HB	6	0.13
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	9	0.13
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	9	0.13
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	9	0.13
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	10	0.13
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	10	0.13
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	10	0.13
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	20	0.13
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	20	0.13
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	20	0.13
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	9	0.13
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	9	0.13
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	9	0.13
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	10	0.13
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	10	0.13
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	10	0.13
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	18	0.13
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	18	0.13
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	18	0.13
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	20	0.13
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	20	0.13
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	20	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	6	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	7	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	7	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	7	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	7	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	7	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	7	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	7	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	7	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	7	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	7	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	7	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	8	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	9	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	12	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	12	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	12	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	12	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	12	0.13
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	12	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	12	0.13
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	12	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	12	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	12	0.13
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	6	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	7	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	8	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	9	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	9	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	9	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	9	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	9	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	9	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	9	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	9	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	9	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	9	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	9	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	12	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	16	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	16	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	16	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	16	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	16	0.13
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	16	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	16	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	16	0.13
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	16	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	16	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	16	0.13
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	16	0.13
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG22	18	0.13
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG21	18	0.13
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG23	18	0.13
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD12	18	0.13
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD11	18	0.13
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD13	18	0.13
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG22	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG21	18	0.13
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG23	18	0.13
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG22	18	0.13
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG21	18	0.13
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG23	18	0.13
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD12	18	0.13
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD11	18	0.13
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD13	18	0.13
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG22	18	0.13
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG21	18	0.13
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG23	18	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD22	2	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD21	2	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD23	2	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD12	2	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD11	2	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD13	2	0.13
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD12	2	0.13
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD11	2	0.13
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD13	2	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD22	14	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD21	14	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD23	14	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD12	14	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD11	14	0.13
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD13	14	0.13
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD12	14	0.13
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD11	14	0.13
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD13	14	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD22	2	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD21	2	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD23	2	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD12	2	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD11	2	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD13	2	0.13
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD12	2	0.13
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD11	2	0.13
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD13	2	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD22	14	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD21	14	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD23	14	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD12	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD11	14	0.13
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD13	14	0.13
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD12	14	0.13
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD11	14	0.13
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD13	14	0.13
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD12	1	0.13
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD11	1	0.13
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD13	1	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD22	1	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD21	1	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD23	1	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD12	1	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD11	1	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD13	1	0.13
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD12	15	0.13
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD11	15	0.13
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD13	15	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD22	15	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD21	15	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD23	15	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD12	15	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD11	15	0.13
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD13	15	0.13
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD12	1	0.13
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD11	1	0.13
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD13	1	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD22	1	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD21	1	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD23	1	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD12	1	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD11	1	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD13	1	0.13
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD12	15	0.13
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD11	15	0.13
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD13	15	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD22	15	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD21	15	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD23	15	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD12	15	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD11	15	0.13
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD13	15	0.13
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG22	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG21	6	0.13
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG23	6	0.13
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG22	6	0.13
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG21	6	0.13
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG23	6	0.13
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG22	6	0.13
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG21	6	0.13
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG23	6	0.13
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG22	6	0.13
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG21	6	0.13
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG23	6	0.13
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	4	0.13
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD12	18	0.13
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD11	18	0.13
(1,3758)	1:B:57:ILE:H	1:B:37:LEU:HD13	18	0.13
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD12	18	0.13
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD11	18	0.13
(1,3758)	1:B:57:ILE:H	1:B:48:ILE:HD13	18	0.13
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG22	18	0.13
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG21	18	0.13
(1,3758)	1:B:57:ILE:H	1:B:54:ILE:HG23	18	0.13
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG22	18	0.13
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG21	18	0.13
(1,3758)	1:B:57:ILE:H	1:B:57:ILE:HG23	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	4	0.13
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	4	0.13
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	4	0.13
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	4	0.13
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	4	0.13
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	4	0.13
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	4	0.13
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	4	0.13
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	4	0.13
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	4	0.13
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	4	0.13
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD12	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD11	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:37:LEU:HD13	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD12	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD11	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:48:ILE:HD13	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG22	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG21	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:54:ILE:HG23	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG22	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG21	18	0.13
(1,3757)	1:A:57:ILE:H	1:A:57:ILE:HG23	18	0.13
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD22	7	0.13
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD21	7	0.13
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD23	7	0.13
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD12	7	0.13
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD11	7	0.13
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD13	7	0.13
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD22	7	0.13
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD21	7	0.13
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD23	7	0.13
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD12	7	0.13
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD11	7	0.13
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD13	7	0.13
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD22	13	0.13
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD21	13	0.13
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD23	13	0.13
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD12	13	0.13
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD11	13	0.13
(1,3740)	1:B:75:ILE:H	1:B:33:LEU:HD13	13	0.13
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD22	13	0.13
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD21	13	0.13
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD23	13	0.13
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD12	13	0.13
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD11	13	0.13
(1,3739)	1:A:75:ILE:H	1:A:33:LEU:HD13	13	0.13
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD12	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD11	17	0.13
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD13	17	0.13
(1,3730)	1:B:37:LEU:H	1:B:36:LEU:HG	17	0.13
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD12	17	0.13
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD11	17	0.13
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD13	17	0.13
(1,3729)	1:A:37:LEU:H	1:A:36:LEU:HG	17	0.13
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	20	0.13
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	20	0.13
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	20	0.13
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	20	0.13
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	20	0.13
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	20	0.13
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	20	0.13
(1,3579)	1:A:8:LEU:H	1:A:78:VAL:HB	7	0.13
(1,3579)	1:A:8:LEU:H	1:B:40:GLU:HB3	7	0.13
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB2	7	0.13
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB3	7	0.13
(1,3579)	1:A:8:LEU:H	1:B:78:VAL:HB	7	0.13
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	14	0.13
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	14	0.13
(1,3474)	1:B:55:ASP:H	1:B:53:VAL:HB	17	0.13
(1,3474)	1:B:55:ASP:H	1:B:59:GLN:HG3	17	0.13
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	14	0.13
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	14	0.13
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE2	11	0.13
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE3	11	0.13
(1,3443)	1:A:41:LEU:H	1:A:43:ASN:HB2	11	0.13
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE2	11	0.13
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE3	11	0.13
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB2	15	0.13
(1,344)	1:B:83:LYS:HE3	1:B:87:TYR:HB3	15	0.13
(1,3334)	1:B:69:VAL:H	1:B:29:SER:HB3	11	0.13
(1,3334)	1:B:69:VAL:H	1:B:33:LEU:HA	11	0.13
(1,3333)	1:A:69:VAL:H	1:A:29:SER:HB3	11	0.13
(1,3333)	1:A:69:VAL:H	1:A:33:LEU:HA	11	0.13
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	13	0.13
(1,3258)	1:B:7:HIS:H	1:A:7:HIS:H	13	0.13
(1,3258)	1:B:7:HIS:H	1:A:12:VAL:H	13	0.13
(1,3258)	1:B:7:HIS:H	1:B:12:VAL:H	13	0.13
(1,3258)	1:B:12:VAL:H	1:A:83:LYS:H	13	0.13
(1,3258)	1:B:12:VAL:H	1:A:87:TYR:H	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	13	0.13
(1,3257)	1:A:7:HIS:H	1:B:7:HIS:H	13	0.13
(1,3257)	1:A:7:HIS:H	1:B:12:VAL:H	13	0.13
(1,3257)	1:A:7:HIS:H	1:A:12:VAL:H	13	0.13
(1,3257)	1:A:12:VAL:H	1:B:83:LYS:H	13	0.13
(1,3257)	1:A:12:VAL:H	1:B:87:TYR:H	13	0.13
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	11	0.13
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	11	0.13
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	11	0.13
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	11	0.13
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	11	0.13
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	11	0.13
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	11	0.13
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	11	0.13
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	11	0.13
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	11	0.13
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	11	0.13
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	11	0.13
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	11	0.13
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	11	0.13
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	11	0.13
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	11	0.13
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	11	0.13
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	11	0.13
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	11	0.13
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	11	0.13
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	11	0.13
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	11	0.13
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	11	0.13
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	11	0.13
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	11	0.13
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	11	0.13
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	11	0.13
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	11	0.13
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	11	0.13
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	11	0.13
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	13	0.13
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	13	0.13
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	13	0.13
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	13	0.13
(1,2939)	1:A:49:LYS:HD2	1:A:54:ILE:HD12	9	0.13
(1,2939)	1:A:49:LYS:HD2	1:A:54:ILE:HD11	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2939)	1:A:49:LYS:HD2	1:A:54:ILE:HD13	9	0.13
(1,2939)	1:A:49:LYS:HD3	1:A:54:ILE:HD12	9	0.13
(1,2939)	1:A:49:LYS:HD3	1:A:54:ILE:HD11	9	0.13
(1,2939)	1:A:49:LYS:HD3	1:A:54:ILE:HD13	9	0.13
(1,2939)	1:A:51:LYS:HD2	1:A:54:ILE:HD12	9	0.13
(1,2939)	1:A:51:LYS:HD2	1:A:54:ILE:HD11	9	0.13
(1,2939)	1:A:51:LYS:HD2	1:A:54:ILE:HD13	9	0.13
(1,2939)	1:A:51:LYS:HD3	1:A:54:ILE:HD12	9	0.13
(1,2939)	1:A:51:LYS:HD3	1:A:54:ILE:HD11	9	0.13
(1,2939)	1:A:51:LYS:HD3	1:A:54:ILE:HD13	9	0.13
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	7	0.13
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	7	0.13
(1,2892)	1:B:82:LEU:HG	1:B:78:VAL:HB	19	0.13
(1,2892)	1:B:78:VAL:HB	1:A:82:LEU:HG	19	0.13
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	7	0.13
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	7	0.13
(1,2891)	1:A:82:LEU:HG	1:A:78:VAL:HB	19	0.13
(1,2891)	1:A:78:VAL:HB	1:B:82:LEU:HG	19	0.13
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	4	0.13
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	4	0.13
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	4	0.13
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	4	0.13
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	4	0.13
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	13	0.13
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	13	0.13
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	13	0.13
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	13	0.13
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	13	0.13
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	3	0.13
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	3	0.13
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	3	0.13
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	3	0.13
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	3	0.13
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	4	0.13
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	4	0.13
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	4	0.13
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	4	0.13
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	4	0.13
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	13	0.13
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	13	0.13
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	13	0.13
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	13	0.13
(1,2854)	1:B:6:GLU:HB2	1:A:85:ALA:HB2	18	0.13
(1,2854)	1:B:6:GLU:HB2	1:A:85:ALA:HB1	18	0.13
(1,2854)	1:B:6:GLU:HB2	1:A:85:ALA:HB3	18	0.13
(1,2854)	1:B:6:GLU:HB3	1:A:85:ALA:HB2	18	0.13
(1,2854)	1:B:6:GLU:HB3	1:A:85:ALA:HB1	18	0.13
(1,2854)	1:B:6:GLU:HB3	1:A:85:ALA:HB3	18	0.13
(1,2854)	1:B:56:GLU:HB2	1:B:51:LYS:HG2	18	0.13
(1,2854)	1:B:56:GLU:HB2	1:B:51:LYS:HG3	18	0.13
(1,2854)	1:B:52:ALA:HB2	1:B:56:GLU:HB2	18	0.13
(1,2854)	1:B:52:ALA:HB1	1:B:56:GLU:HB2	18	0.13
(1,2854)	1:B:52:ALA:HB3	1:B:56:GLU:HB2	18	0.13
(1,2854)	1:B:73:GLU:HB2	1:B:77:LEU:HB2	18	0.13
(1,2854)	1:B:73:GLU:HB2	1:B:77:LEU:HB3	18	0.13
(1,2854)	1:B:73:GLU:HB3	1:B:77:LEU:HB2	18	0.13
(1,2854)	1:B:73:GLU:HB3	1:B:77:LEU:HB3	18	0.13
(1,2854)	1:B:79:ALA:HB2	1:B:73:GLU:HB2	18	0.13
(1,2854)	1:B:79:ALA:HB2	1:B:73:GLU:HB3	18	0.13
(1,2854)	1:B:79:ALA:HB1	1:B:73:GLU:HB2	18	0.13
(1,2854)	1:B:79:ALA:HB1	1:B:73:GLU:HB3	18	0.13
(1,2854)	1:B:79:ALA:HB3	1:B:73:GLU:HB2	18	0.13
(1,2854)	1:B:79:ALA:HB3	1:B:73:GLU:HB3	18	0.13
(1,2853)	1:A:6:GLU:HB2	1:B:85:ALA:HB2	18	0.13
(1,2853)	1:A:6:GLU:HB2	1:B:85:ALA:HB1	18	0.13
(1,2853)	1:A:6:GLU:HB2	1:B:85:ALA:HB3	18	0.13
(1,2853)	1:A:6:GLU:HB3	1:B:85:ALA:HB2	18	0.13
(1,2853)	1:A:6:GLU:HB3	1:B:85:ALA:HB1	18	0.13
(1,2853)	1:A:6:GLU:HB3	1:B:85:ALA:HB3	18	0.13
(1,2853)	1:A:56:GLU:HB2	1:A:51:LYS:HG2	18	0.13
(1,2853)	1:A:56:GLU:HB2	1:A:51:LYS:HG3	18	0.13
(1,2853)	1:A:52:ALA:HB2	1:A:56:GLU:HB2	18	0.13
(1,2853)	1:A:52:ALA:HB1	1:A:56:GLU:HB2	18	0.13
(1,2853)	1:A:52:ALA:HB3	1:A:56:GLU:HB2	18	0.13
(1,2853)	1:A:73:GLU:HB2	1:A:77:LEU:HB2	18	0.13
(1,2853)	1:A:73:GLU:HB2	1:A:77:LEU:HB3	18	0.13
(1,2853)	1:A:73:GLU:HB3	1:A:77:LEU:HB2	18	0.13
(1,2853)	1:A:73:GLU:HB3	1:A:77:LEU:HB3	18	0.13
(1,2853)	1:A:79:ALA:HB2	1:A:73:GLU:HB2	18	0.13
(1,2853)	1:A:79:ALA:HB2	1:A:73:GLU:HB3	18	0.13
(1,2853)	1:A:79:ALA:HB1	1:A:73:GLU:HB2	18	0.13
(1,2853)	1:A:79:ALA:HB1	1:A:73:GLU:HB3	18	0.13
(1,2853)	1:A:79:ALA:HB3	1:A:73:GLU:HB2	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2853)	1:A:79:ALA:HB3	1:A:73:GLU:HB3	18	0.13
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	2	0.13
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	2	0.13
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	2	0.13
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	2	0.13
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	2	0.13
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	2	0.13
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	2	0.13
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	2	0.13
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	2	0.13
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	2	0.13
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	2	0.13
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	2	0.13
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	2	0.13
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	2	0.13
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	2	0.13
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	6	0.13
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	6	0.13
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	6	0.13
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	6	0.13
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	6	0.13
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	6	0.13
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	6	0.13
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	6	0.13
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	6	0.13
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	6	0.13
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	6	0.13
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	6	0.13
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	6	0.13
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	6	0.13
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	6	0.13
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	2	0.13
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	2	0.13
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	2	0.13
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	2	0.13
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	2	0.13
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	2	0.13
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	2	0.13
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	2	0.13
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	2	0.13
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	2	0.13
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	2	0.13
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	2	0.13
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	2	0.13
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	2	0.13
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	6	0.13
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	6	0.13
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	6	0.13
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	6	0.13
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	6	0.13
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	6	0.13
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	6	0.13
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	6	0.13
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	6	0.13
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	6	0.13
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	6	0.13
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	6	0.13
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	6	0.13
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	6	0.13
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	6	0.13
(1,2812)	1:B:8:LEU:HG	1:A:81:ALA:HB2	8	0.13
(1,2812)	1:B:8:LEU:HG	1:A:81:ALA:HB1	8	0.13
(1,2812)	1:B:8:LEU:HG	1:A:81:ALA:HB3	8	0.13
(1,2812)	1:B:37:LEU:HD22	1:B:33:LEU:HG	8	0.13
(1,2812)	1:B:37:LEU:HD21	1:B:33:LEU:HG	8	0.13
(1,2812)	1:B:37:LEU:HD23	1:B:33:LEU:HG	8	0.13
(1,2812)	1:B:37:LEU:HD22	1:B:77:LEU:HB2	8	0.13
(1,2812)	1:B:37:LEU:HD22	1:B:77:LEU:HB3	8	0.13
(1,2812)	1:B:37:LEU:HD21	1:B:77:LEU:HB2	8	0.13
(1,2812)	1:B:37:LEU:HD21	1:B:77:LEU:HB3	8	0.13
(1,2812)	1:B:37:LEU:HD23	1:B:77:LEU:HB2	8	0.13
(1,2812)	1:B:37:LEU:HD23	1:B:77:LEU:HB3	8	0.13
(1,2811)	1:A:8:LEU:HG	1:B:81:ALA:HB2	8	0.13
(1,2811)	1:A:8:LEU:HG	1:B:81:ALA:HB1	8	0.13
(1,2811)	1:A:8:LEU:HG	1:B:81:ALA:HB3	8	0.13
(1,2811)	1:A:37:LEU:HD22	1:A:33:LEU:HG	8	0.13
(1,2811)	1:A:37:LEU:HD21	1:A:33:LEU:HG	8	0.13
(1,2811)	1:A:37:LEU:HD23	1:A:33:LEU:HG	8	0.13
(1,2811)	1:A:37:LEU:HD22	1:A:77:LEU:HB2	8	0.13
(1,2811)	1:A:37:LEU:HD22	1:A:77:LEU:HB3	8	0.13
(1,2811)	1:A:37:LEU:HD21	1:A:77:LEU:HB2	8	0.13
(1,2811)	1:A:37:LEU:HD21	1:A:77:LEU:HB3	8	0.13
(1,2811)	1:A:37:LEU:HD23	1:A:77:LEU:HB2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2811)	1:A:37:LEU:HD23	1:A:77:LEU:HB3	8	0.13
(1,2698)	1:B:45:ILE:HB	1:B:48:ILE:HA	4	0.13
(1,2698)	1:B:49:LYS:HD2	1:B:48:ILE:HA	4	0.13
(1,2698)	1:B:49:LYS:HD3	1:B:48:ILE:HA	4	0.13
(1,2698)	1:B:45:ILE:HB	1:B:48:ILE:HA	6	0.13
(1,2698)	1:B:49:LYS:HD2	1:B:48:ILE:HA	6	0.13
(1,2698)	1:B:49:LYS:HD3	1:B:48:ILE:HA	6	0.13
(1,2697)	1:A:45:ILE:HB	1:A:48:ILE:HA	4	0.13
(1,2697)	1:A:49:LYS:HD2	1:A:48:ILE:HA	4	0.13
(1,2697)	1:A:49:LYS:HD3	1:A:48:ILE:HA	4	0.13
(1,2697)	1:A:45:ILE:HB	1:A:48:ILE:HA	6	0.13
(1,2697)	1:A:49:LYS:HD2	1:A:48:ILE:HA	6	0.13
(1,2697)	1:A:49:LYS:HD3	1:A:48:ILE:HA	6	0.13
(1,2696)	1:B:57:ILE:HA	1:B:45:ILE:HB	8	0.13
(1,2696)	1:B:61:LEU:HB2	1:B:57:ILE:HA	8	0.13
(1,2696)	1:B:57:ILE:HA	1:B:91:LYS:HD3	8	0.13
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	3	0.13
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	3	0.13
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	3	0.13
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	10	0.13
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	10	0.13
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	10	0.13
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	10	0.13
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	10	0.13
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	10	0.13
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB2	16	0.13
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB3	16	0.13
(1,2670)	1:B:54:ILE:HB	1:B:57:ILE:HB	16	0.13
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB2	16	0.13
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB3	16	0.13
(1,2669)	1:A:54:ILE:HB	1:A:57:ILE:HB	16	0.13
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	13	0.13
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	13	0.13
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	13	0.13
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	13	0.13
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	13	0.13
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	13	0.13
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	13	0.13
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	13	0.13
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	13	0.13
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	13	0.13
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	16	0.13
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	16	0.13
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	16	0.13
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	16	0.13
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	16	0.13
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	16	0.13
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	16	0.13
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	16	0.13
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	16	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	3	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	3	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	3	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	3	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	3	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	3	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	3	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	3	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	3	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	3	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	13	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	13	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	13	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	13	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	13	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	13	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	13	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	13	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	13	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	13	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	16	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	16	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	16	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	16	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	16	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	16	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	16	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	16	0.13
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	16	0.13
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	16	0.13
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	5	0.13
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	5	0.13
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	5	0.13
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	5	0.13
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	12	0.13
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	12	0.13
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	12	0.13
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	12	0.13
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	12	0.13
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	5	0.13
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	5	0.13
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	5	0.13
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	5	0.13
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	5	0.13
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB2	15	0.13
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB3	15	0.13
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB2	15	0.13
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB3	15	0.13
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	3	0.13
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	3	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	3	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	3	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	3	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	3	0.13
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	4	0.13
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	4	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	4	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	4	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	4	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	4	0.13
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	16	0.13
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	16	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	16	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	16	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	16	0.13
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	16	0.13
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	3	0.13
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	3	0.13
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	3	0.13
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	3	0.13
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	3	0.13
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	3	0.13
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	16	0.13
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	16	0.13
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	16	0.13
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	16	0.13
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	16	0.13
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	7	0.13
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	7	0.13
(1,2562)	1:B:91:LYS:HE2	1:B:80:ILE:HB	7	0.13
(1,2562)	1:B:91:LYS:HE3	1:B:80:ILE:HB	7	0.13
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	7	0.13
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	7	0.13
(1,2562)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	7	0.13
(1,2562)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	7	0.13
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	18	0.13
(1,2562)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	18	0.13
(1,2562)	1:B:91:LYS:HE2	1:B:80:ILE:HB	18	0.13
(1,2562)	1:B:91:LYS:HE3	1:B:80:ILE:HB	18	0.13
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	18	0.13
(1,2562)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	18	0.13
(1,2562)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	18	0.13
(1,2562)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	18	0.13
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	7	0.13
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	7	0.13
(1,2561)	1:A:91:LYS:HE2	1:A:80:ILE:HB	7	0.13
(1,2561)	1:A:91:LYS:HE3	1:A:80:ILE:HB	7	0.13
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	7	0.13
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	7	0.13
(1,2561)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	7	0.13
(1,2561)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	7	0.13
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	18	0.13
(1,2561)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	18	0.13
(1,2561)	1:A:91:LYS:HE2	1:A:80:ILE:HB	18	0.13
(1,2561)	1:A:91:LYS:HE3	1:A:80:ILE:HB	18	0.13
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	18	0.13
(1,2561)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	18	0.13
(1,2561)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	18	0.13
(1,2561)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	18	0.13
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	15	0.13
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	15	0.13
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	15	0.13
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	15	0.13
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	20	0.13
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	4	0.13
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	4	0.13
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	4	0.13
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	4	0.13
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	3	0.13
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	3	0.13
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	3	0.13
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	5	0.13
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	5	0.13
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	5	0.13
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	14	0.13
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	14	0.13
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	14	0.13
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	3	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	3	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	3	0.13
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	5	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	5	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	5	0.13
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	12	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	12	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	12	0.13
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	14	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	14	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	14	0.13
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	18	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	18	0.13
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	18	0.13
(1,2366)	1:B:53:VAL:HB	1:B:50:ASP:HB2	16	0.13
(1,2366)	1:B:83:LYS:HE2	1:A:72:GLN:HG2	16	0.13
(1,2366)	1:B:83:LYS:HE2	1:A:72:GLN:HG3	16	0.13
(1,2314)	1:B:54:ILE:HB	1:B:55:ASP:HB2	14	0.13
(1,2314)	1:B:54:ILE:HB	1:B:55:ASP:HB3	14	0.13
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	19	0.13
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	19	0.13
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	19	0.13
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	19	0.13
(1,2266)	1:B:53:VAL:HG12	1:B:47:ASN:HB3	11	0.13
(1,2266)	1:B:53:VAL:HG11	1:B:47:ASN:HB3	11	0.13
(1,2266)	1:B:53:VAL:HG13	1:B:47:ASN:HB3	11	0.13
(1,2266)	1:B:53:VAL:HG12	1:B:50:ASP:HB2	11	0.13
(1,2266)	1:B:53:VAL:HG11	1:B:50:ASP:HB2	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2266)	1:B:53:VAL:HG13	1:B:50:ASP:HB2	11	0.13
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	3	0.13
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	3	0.13
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	3	0.13
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	3	0.13
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	3	0.13
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	3	0.13
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	3	0.13
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	3	0.13
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	3	0.13
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	3	0.13
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	3	0.13
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	3	0.13
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	3	0.13
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	3	0.13
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	3	0.13
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	12	0.13
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	12	0.13
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	12	0.13
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	12	0.13
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	12	0.13
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	12	0.13
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	12	0.13
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	12	0.13
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	12	0.13
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	12	0.13
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	12	0.13
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	12	0.13
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	12	0.13
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	12	0.13
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	12	0.13
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	3	0.13
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	3	0.13
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	3	0.13
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	3	0.13
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	3	0.13
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	3	0.13
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	3	0.13
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	3	0.13
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	3	0.13
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	3	0.13
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	3	0.13
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	3	0.13
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	3	0.13
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	3	0.13
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	12	0.13
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	12	0.13
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	12	0.13
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	12	0.13
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	12	0.13
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	12	0.13
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	12	0.13
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	12	0.13
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	12	0.13
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	12	0.13
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	12	0.13
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	12	0.13
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	12	0.13
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	12	0.13
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	12	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE2	3	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE3	3	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE2	3	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE3	3	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE2	3	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE3	3	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:58:PHE:HB3	3	0.13
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE2	3	0.13
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE3	3	0.13
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE2	3	0.13
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE3	3	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE2	17	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:39:LYS:HE3	17	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE2	17	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:49:LYS:HE3	17	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE2	17	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:51:LYS:HE3	17	0.13
(1,2190)	1:B:37:LEU:HB3	1:B:58:PHE:HB3	17	0.13
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE2	17	0.13
(1,2190)	1:B:41:LEU:HB2	1:B:49:LYS:HE3	17	0.13
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE2	17	0.13
(1,2190)	1:B:41:LEU:HB3	1:B:49:LYS:HE3	17	0.13
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE2	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE3	3	0.13
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE2	3	0.13
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE3	3	0.13
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE2	3	0.13
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE3	3	0.13
(1,2189)	1:A:37:LEU:HB3	1:A:58:PHE:HB3	3	0.13
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE2	3	0.13
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE3	3	0.13
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE2	3	0.13
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE3	3	0.13
(1,2108)	1:B:61:LEU:HD22	1:B:57:ILE:HA	3	0.13
(1,2108)	1:B:61:LEU:HD21	1:B:57:ILE:HA	3	0.13
(1,2108)	1:B:61:LEU:HD23	1:B:57:ILE:HA	3	0.13
(1,2108)	1:B:61:LEU:HD22	1:B:60:GLY:HA2	3	0.13
(1,2108)	1:B:61:LEU:HD22	1:B:60:GLY:HA3	3	0.13
(1,2108)	1:B:61:LEU:HD21	1:B:60:GLY:HA2	3	0.13
(1,2108)	1:B:61:LEU:HD21	1:B:60:GLY:HA3	3	0.13
(1,2108)	1:B:61:LEU:HD23	1:B:60:GLY:HA2	3	0.13
(1,2108)	1:B:61:LEU:HD23	1:B:60:GLY:HA3	3	0.13
(1,2108)	1:B:61:LEU:HD22	1:B:76:SER:HB3	3	0.13
(1,2108)	1:B:61:LEU:HD21	1:B:76:SER:HB3	3	0.13
(1,2108)	1:B:61:LEU:HD23	1:B:76:SER:HB3	3	0.13
(1,2060)	1:B:83:LYS:HD2	1:B:79:ALA:HA	6	0.13
(1,2060)	1:B:83:LYS:HD3	1:B:79:ALA:HA	6	0.13
(1,2060)	1:B:83:LYS:HD2	1:B:81:ALA:HA	6	0.13
(1,2060)	1:B:83:LYS:HD3	1:B:81:ALA:HA	6	0.13
(1,2059)	1:A:83:LYS:HD2	1:A:79:ALA:HA	6	0.13
(1,2059)	1:A:83:LYS:HD3	1:A:79:ALA:HA	6	0.13
(1,2059)	1:A:83:LYS:HD2	1:A:81:ALA:HA	6	0.13
(1,2059)	1:A:83:LYS:HD3	1:A:81:ALA:HA	6	0.13
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	5	0.13
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	5	0.13
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	5	0.13
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	16	0.13
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	16	0.13
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	16	0.13
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	5	0.13
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	5	0.13
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	5	0.13
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	14	0.13
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	14	0.13
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:B:82:LEU:HD12	1:B:82:LEU:HA	5	0.13
(1,2026)	1:B:82:LEU:HD11	1:B:82:LEU:HA	5	0.13
(1,2026)	1:B:82:LEU:HD13	1:B:82:LEU:HA	5	0.13
(1,2026)	1:B:82:LEU:HD12	1:A:8:LEU:HA	5	0.13
(1,2026)	1:B:82:LEU:HD11	1:A:8:LEU:HA	5	0.13
(1,2026)	1:B:82:LEU:HD13	1:A:8:LEU:HA	5	0.13
(1,2026)	1:B:82:LEU:HD12	1:B:82:LEU:HA	15	0.13
(1,2026)	1:B:82:LEU:HD11	1:B:82:LEU:HA	15	0.13
(1,2026)	1:B:82:LEU:HD13	1:B:82:LEU:HA	15	0.13
(1,2026)	1:B:82:LEU:HD12	1:A:8:LEU:HA	15	0.13
(1,2026)	1:B:82:LEU:HD11	1:A:8:LEU:HA	15	0.13
(1,2026)	1:B:82:LEU:HD13	1:A:8:LEU:HA	15	0.13
(1,2025)	1:A:82:LEU:HD12	1:A:82:LEU:HA	5	0.13
(1,2025)	1:A:82:LEU:HD11	1:A:82:LEU:HA	5	0.13
(1,2025)	1:A:82:LEU:HD13	1:A:82:LEU:HA	5	0.13
(1,2025)	1:A:82:LEU:HD12	1:B:8:LEU:HA	5	0.13
(1,2025)	1:A:82:LEU:HD11	1:B:8:LEU:HA	5	0.13
(1,2025)	1:A:82:LEU:HD13	1:B:8:LEU:HA	5	0.13
(1,2000)	1:B:74:PHE:HA	1:B:73:GLU:HA	17	0.13
(1,2000)	1:B:74:PHE:HA	1:B:76:SER:HB2	17	0.13
(1,2000)	1:B:74:PHE:HA	1:B:77:LEU:HA	17	0.13
(1,1999)	1:A:74:PHE:HA	1:A:73:GLU:HA	17	0.13
(1,1999)	1:A:74:PHE:HA	1:A:76:SER:HB2	17	0.13
(1,1999)	1:A:74:PHE:HA	1:A:77:LEU:HA	17	0.13
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	7	0.13
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	7	0.13
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	7	0.13
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	7	0.13
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	7	0.13
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	7	0.13
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	7	0.13
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	7	0.13
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	7	0.13
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	7	0.13
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	7	0.13
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	7	0.13
(1,1942)	1:B:30:LYS:HD2	1:B:32:GLU:HA	16	0.13
(1,1942)	1:B:30:LYS:HD2	1:B:35:GLN:HA	16	0.13
(1,1942)	1:B:30:LYS:HD2	1:B:52:ALA:HA	16	0.13
(1,1942)	1:B:30:LYS:HD3	1:B:32:GLU:HA	16	0.13
(1,1942)	1:B:30:LYS:HD3	1:B:52:ALA:HA	16	0.13
(1,1941)	1:A:30:LYS:HD2	1:A:32:GLU:HA	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1941)	1:A:30:LYS:HD2	1:A:35:GLN:HA	16	0.13
(1,1941)	1:A:30:LYS:HD2	1:A:52:ALA:HA	16	0.13
(1,1941)	1:A:30:LYS:HD3	1:A:32:GLU:HA	16	0.13
(1,1941)	1:A:30:LYS:HD3	1:A:52:ALA:HA	16	0.13
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	3	0.13
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	3	0.13
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	3	0.13
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	3	0.13
(1,1854)	1:B:53:VAL:H	1:B:55:ASP:HB2	9	0.13
(1,1854)	1:B:54:ILE:H	1:B:55:ASP:HB2	9	0.13
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	19	0.13
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	19	0.13
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	19	0.13
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	19	0.13
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	19	0.13
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	19	0.13
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	19	0.13
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	19	0.13
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	19	0.13
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	19	0.13
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	19	0.13
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	19	0.13
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	19	0.13
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	19	0.13
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	19	0.13
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	19	0.13
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	19	0.13
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	19	0.13
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	19	0.13
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	19	0.13
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	19	0.13
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	19	0.13
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	19	0.13
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	19	0.13
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	1	0.13
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	1	0.13
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	1	0.13
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	1	0.13
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	1	0.13
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	1	0.13
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	19	0.13
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	19	0.13
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	19	0.13
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	19	0.13
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	19	0.13
(1,1737)	1:A:75:ILE:HG22	1:B:75:ILE:HG22	5	0.13
(1,1737)	1:A:75:ILE:HG22	1:B:75:ILE:HG21	5	0.13
(1,1737)	1:A:75:ILE:HG22	1:B:75:ILE:HG23	5	0.13
(1,1737)	1:A:75:ILE:HG21	1:B:75:ILE:HG22	5	0.13
(1,1737)	1:A:75:ILE:HG21	1:B:75:ILE:HG21	5	0.13
(1,1737)	1:A:75:ILE:HG21	1:B:75:ILE:HG23	5	0.13
(1,1737)	1:A:75:ILE:HG23	1:B:75:ILE:HG22	5	0.13
(1,1737)	1:A:75:ILE:HG23	1:B:75:ILE:HG21	5	0.13
(1,1737)	1:A:75:ILE:HG23	1:B:75:ILE:HG23	5	0.13
(1,1737)	1:A:75:ILE:HG22	1:B:82:LEU:HD12	5	0.13
(1,1737)	1:A:75:ILE:HG22	1:B:82:LEU:HD11	5	0.13
(1,1737)	1:A:75:ILE:HG22	1:B:82:LEU:HD13	5	0.13
(1,1737)	1:A:75:ILE:HG21	1:B:82:LEU:HD12	5	0.13
(1,1737)	1:A:75:ILE:HG21	1:B:82:LEU:HD11	5	0.13
(1,1737)	1:A:75:ILE:HG21	1:B:82:LEU:HD13	5	0.13
(1,1737)	1:A:75:ILE:HG23	1:B:82:LEU:HD12	5	0.13
(1,1737)	1:A:75:ILE:HG23	1:B:82:LEU:HD11	5	0.13
(1,1737)	1:A:75:ILE:HG23	1:B:82:LEU:HD13	5	0.13
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	3	0.13
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	3	0.13
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	3	0.13
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	10	0.13
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	10	0.13
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	10	0.13
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	3	0.13
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	3	0.13
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	3	0.13
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	10	0.13
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	10	0.13
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	10	0.13
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB2	3	0.13
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB2	3	0.13
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB2	3	0.13
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB3	3	0.13
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB3	3	0.13
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB3	3	0.13
(1,1698)	1:B:8:LEU:HG	1:A:11:ILE:HB	3	0.13
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG2	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG3	3	0.13
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB2	14	0.13
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB2	14	0.13
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB2	14	0.13
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB3	14	0.13
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB3	14	0.13
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB3	14	0.13
(1,1698)	1:B:8:LEU:HG	1:A:11:ILE:HB	14	0.13
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG2	14	0.13
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG3	14	0.13
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB2	3	0.13
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB2	3	0.13
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB2	3	0.13
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB3	3	0.13
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB3	3	0.13
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB3	3	0.13
(1,1697)	1:A:8:LEU:HG	1:B:11:ILE:HB	3	0.13
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG2	3	0.13
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG3	3	0.13
(1,1632)	1:B:87:TYR:H	1:B:89:THR:HG21	16	0.13
(1,1632)	1:B:87:TYR:H	1:B:89:THR:HG22	16	0.13
(1,1632)	1:B:87:TYR:H	1:B:89:THR:HG23	16	0.13
(1,1631)	1:A:87:TYR:H	1:A:89:THR:HG21	16	0.13
(1,1631)	1:A:87:TYR:H	1:A:89:THR:HG22	16	0.13
(1,1631)	1:A:87:TYR:H	1:A:89:THR:HG23	16	0.13
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	12	0.13
(1,1560)	1:B:77:LEU:H	1:B:61:LEU:HB2	15	0.13
(1,1559)	1:A:77:LEU:H	1:A:61:LEU:HB2	10	0.13
(1,1559)	1:A:77:LEU:H	1:A:61:LEU:HB2	15	0.13
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	6	0.13
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	9	0.13
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	16	0.13
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	6	0.13
(1,1526)	1:B:92:GLU:H	1:B:46:LYS:HB3	5	0.13
(1,1525)	1:A:92:GLU:H	1:A:46:LYS:HB3	5	0.13
(1,1524)	1:B:60:GLY:H	1:B:57:ILE:HB	6	0.13
(1,1524)	1:B:60:GLY:H	1:B:57:ILE:HB	18	0.13
(1,1523)	1:A:60:GLY:H	1:A:57:ILE:HB	6	0.13
(1,1523)	1:A:60:GLY:H	1:A:57:ILE:HB	18	0.13
(1,1414)	1:B:59:GLN:H	1:B:59:GLN:HG3	17	0.13
(1,1410)	1:B:49:LYS:H	1:B:50:ASP:HB3	18	0.13
(1,1386)	1:B:87:TYR:H	1:B:86:HIS:HB2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:A:52:ALA:H	1:A:50:ASP:HB2	11	0.13
(1,120)	1:B:8:LEU:HD12	1:A:42:ALA:H	10	0.13
(1,120)	1:B:8:LEU:HD11	1:A:42:ALA:H	10	0.13
(1,120)	1:B:8:LEU:HD13	1:A:42:ALA:H	10	0.13
(3,89)	1:B:18:TYR:H	1:B:14:ILE:O	19	0.12
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	8	0.12
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	11	0.12
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	15	0.12
(3,62)	1:A:82:LEU:N	1:A:78:VAL:O	19	0.12
(3,42)	1:A:59:GLN:N	1:A:55:ASP:O	10	0.12
(3,32)	1:A:40:GLU:N	1:A:36:LEU:O	2	0.12
(3,32)	1:A:40:GLU:N	1:A:36:LEU:O	20	0.12
(3,20)	1:A:34:LYS:N	1:A:30:LYS:O	20	0.12
(3,17)	1:A:18:TYR:H	1:A:14:ILE:O	19	0.12
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	8	0.12
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	11	0.12
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	15	0.12
(3,134)	1:B:82:LEU:N	1:B:78:VAL:O	19	0.12
(3,114)	1:B:59:GLN:N	1:B:55:ASP:O	10	0.12
(3,104)	1:B:40:GLU:N	1:B:36:LEU:O	2	0.12
(3,104)	1:B:40:GLU:N	1:B:36:LEU:O	20	0.12
(2,58)	1:B:32:GLU:HB2	1:B:35:GLN:HB2	20	0.12
(2,57)	1:A:32:GLU:HB2	1:A:35:GLN:HB2	20	0.12
(2,128)	1:B:18:TYR:H	1:B:36:LEU:HA	2	0.12
(2,128)	1:B:18:TYR:H	1:B:36:LEU:HA	10	0.12
(2,127)	1:A:18:TYR:H	1:A:36:LEU:HA	2	0.12
(2,127)	1:A:18:TYR:H	1:A:36:LEU:HA	10	0.12
(1,918)	1:B:91:LYS:H	1:B:90:HIS:H	3	0.12
(1,918)	1:B:91:LYS:H	1:B:90:HIS:H	6	0.12
(1,917)	1:A:91:LYS:H	1:A:90:HIS:H	6	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	5	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	5	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	5	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	5	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	5	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	5	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	5	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	5	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	5	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	6	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	6	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	6	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	6	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	6	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	6	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	6	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	6	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	18	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	18	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	18	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	18	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	18	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	18	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	18	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	18	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	18	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	20	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	20	0.12
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	20	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	20	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	20	0.12
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	20	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	20	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	20	0.12
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	20	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	5	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	5	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	5	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	5	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	5	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	5	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	5	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	5	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	5	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	6	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	6	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	6	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	6	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	6	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	6	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	6	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	6	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	18	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	18	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	18	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	18	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	18	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	18	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	18	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	18	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	18	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	20	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	20	0.12
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	20	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	20	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	20	0.12
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	20	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	20	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	20	0.12
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	20	0.12
(1,806)	1:B:80:ILE:HD12	1:B:61:LEU:HD22	11	0.12
(1,806)	1:B:80:ILE:HD12	1:B:61:LEU:HD21	11	0.12
(1,806)	1:B:80:ILE:HD12	1:B:61:LEU:HD23	11	0.12
(1,806)	1:B:80:ILE:HD11	1:B:61:LEU:HD22	11	0.12
(1,806)	1:B:80:ILE:HD11	1:B:61:LEU:HD21	11	0.12
(1,806)	1:B:80:ILE:HD11	1:B:61:LEU:HD23	11	0.12
(1,806)	1:B:80:ILE:HD13	1:B:61:LEU:HD22	11	0.12
(1,806)	1:B:80:ILE:HD13	1:B:61:LEU:HD21	11	0.12
(1,806)	1:B:80:ILE:HD13	1:B:61:LEU:HD23	11	0.12
(1,805)	1:A:80:ILE:HD12	1:A:61:LEU:HD22	11	0.12
(1,805)	1:A:80:ILE:HD12	1:A:61:LEU:HD21	11	0.12
(1,805)	1:A:80:ILE:HD12	1:A:61:LEU:HD23	11	0.12
(1,805)	1:A:80:ILE:HD11	1:A:61:LEU:HD22	11	0.12
(1,805)	1:A:80:ILE:HD11	1:A:61:LEU:HD21	11	0.12
(1,805)	1:A:80:ILE:HD11	1:A:61:LEU:HD23	11	0.12
(1,805)	1:A:80:ILE:HD13	1:A:61:LEU:HD22	11	0.12
(1,805)	1:A:80:ILE:HD13	1:A:61:LEU:HD21	11	0.12
(1,805)	1:A:80:ILE:HD13	1:A:61:LEU:HD23	11	0.12
(1,72)	1:B:49:LYS:H	1:B:53:VAL:HG12	16	0.12
(1,72)	1:B:49:LYS:H	1:B:53:VAL:HG11	16	0.12
(1,72)	1:B:49:LYS:H	1:B:53:VAL:HG13	16	0.12
(1,650)	1:B:49:LYS:HG2	1:B:49:LYS:HA	10	0.12
(1,650)	1:B:49:LYS:HG3	1:B:49:LYS:HA	10	0.12
(1,650)	1:B:49:LYS:HG2	1:B:49:LYS:HA	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:B:49:LYS:HG3	1:B:49:LYS:HA	19	0.12
(1,649)	1:A:49:LYS:HG2	1:A:49:LYS:HA	10	0.12
(1,649)	1:A:49:LYS:HG3	1:A:49:LYS:HA	10	0.12
(1,649)	1:A:49:LYS:HG2	1:A:49:LYS:HA	19	0.12
(1,649)	1:A:49:LYS:HG3	1:A:49:LYS:HA	19	0.12
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD2	8	0.12
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD3	8	0.12
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD2	8	0.12
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD3	8	0.12
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD2	14	0.12
(1,572)	1:B:49:LYS:HB2	1:B:49:LYS:HD3	14	0.12
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD2	14	0.12
(1,572)	1:B:49:LYS:HB3	1:B:49:LYS:HD3	14	0.12
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD2	8	0.12
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD3	8	0.12
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD2	8	0.12
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD3	8	0.12
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD2	14	0.12
(1,571)	1:A:49:LYS:HB2	1:A:49:LYS:HD3	14	0.12
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD2	14	0.12
(1,571)	1:A:49:LYS:HB3	1:A:49:LYS:HD3	14	0.12
(1,556)	1:B:45:ILE:HB	1:B:44:THR:HB	4	0.12
(1,555)	1:A:45:ILE:HB	1:A:44:THR:HB	4	0.12
(1,548)	1:B:45:ILE:HG13	1:B:41:LEU:HB3	7	0.12
(1,547)	1:A:45:ILE:HG13	1:A:41:LEU:HB3	7	0.12
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	6	0.12
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	6	0.12
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	6	0.12
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	15	0.12
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	15	0.12
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	15	0.12
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	17	0.12
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	17	0.12
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	17	0.12
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	18	0.12
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	18	0.12
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	18	0.12
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	19	0.12
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	19	0.12
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	19	0.12
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	6	0.12
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	6	0.12
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	15	0.12
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	15	0.12
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	15	0.12
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	17	0.12
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	17	0.12
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	17	0.12
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	19	0.12
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	19	0.12
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	19	0.12
(1,511)	1:A:91:LYS:HB2	1:A:83:LYS:HB2	7	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	3	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	4	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD22	20	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD21	20	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD23	20	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD12	20	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD11	20	0.12
(1,3816)	1:B:33:LEU:H	1:B:36:LEU:HD13	20	0.12
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD12	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD11	20	0.12
(1,3816)	1:B:33:LEU:H	1:B:37:LEU:HD13	20	0.12
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG22	20	0.12
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG21	20	0.12
(1,3816)	1:B:33:LEU:H	1:B:54:ILE:HG23	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	3	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	4	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD22	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD21	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD23	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD12	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD11	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:36:LEU:HD13	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD12	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD11	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:37:LEU:HD13	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG22	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG21	20	0.12
(1,3815)	1:A:33:LEU:H	1:A:54:ILE:HG23	20	0.12
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG22	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG21	15	0.12
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG23	15	0.12
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD12	15	0.12
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD11	15	0.12
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD13	15	0.12
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG22	15	0.12
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG21	15	0.12
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG23	15	0.12
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG22	15	0.12
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG21	15	0.12
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG23	15	0.12
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD12	15	0.12
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD11	15	0.12
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD13	15	0.12
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG22	15	0.12
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG21	15	0.12
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG23	15	0.12
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD22	19	0.12
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD21	19	0.12
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD23	19	0.12
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD12	19	0.12
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD11	19	0.12
(1,3808)	1:B:74:PHE:H	1:B:61:LEU:HD13	19	0.12
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD12	19	0.12
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD11	19	0.12
(1,3808)	1:B:74:PHE:H	1:B:75:ILE:HD13	19	0.12
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD22	19	0.12
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD21	19	0.12
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD23	19	0.12
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD12	19	0.12
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD11	19	0.12
(1,3807)	1:A:74:PHE:H	1:A:61:LEU:HD13	19	0.12
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD12	19	0.12
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD11	19	0.12
(1,3807)	1:A:74:PHE:H	1:A:75:ILE:HD13	19	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD12	2	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD11	2	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD13	2	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD22	2	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD21	2	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD23	2	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD12	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD11	2	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD13	2	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD12	7	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD11	7	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD13	7	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD22	7	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD21	7	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD23	7	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD12	7	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD11	7	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD13	7	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD12	13	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD11	13	0.12
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD13	13	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD22	13	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD21	13	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD23	13	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD12	13	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD11	13	0.12
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD13	13	0.12
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD12	2	0.12
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD11	2	0.12
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD13	2	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD22	2	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD21	2	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD23	2	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD12	2	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD11	2	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD13	2	0.12
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD12	7	0.12
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD11	7	0.12
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD13	7	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD22	7	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD21	7	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD23	7	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD12	7	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD11	7	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD13	7	0.12
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD12	13	0.12
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD11	13	0.12
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD13	13	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD22	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD21	13	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD23	13	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD12	13	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD11	13	0.12
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD13	13	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD22	12	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD21	12	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD23	12	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD12	12	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD11	12	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD13	12	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD22	14	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD21	14	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD23	14	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD12	14	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD11	14	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD13	14	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD22	19	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD21	19	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD23	19	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD12	19	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD11	19	0.12
(1,3752)	1:B:40:GLU:H	1:B:37:LEU:HD13	19	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD22	12	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD21	12	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD23	12	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD12	12	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD11	12	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD13	12	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD22	14	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD21	14	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD23	14	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD12	14	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD11	14	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD13	14	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD22	19	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD21	19	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD23	19	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD12	19	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD11	19	0.12
(1,3751)	1:A:40:GLU:H	1:A:37:LEU:HD13	19	0.12
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD12	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD11	9	0.12
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD13	9	0.12
(1,3730)	1:B:37:LEU:H	1:B:36:LEU:HG	9	0.12
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD12	9	0.12
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD11	9	0.12
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD13	9	0.12
(1,3729)	1:A:37:LEU:H	1:A:36:LEU:HG	9	0.12
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	12	0.12
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	12	0.12
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	10	0.12
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	10	0.12
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	10	0.12
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	10	0.12
(1,3676)	1:B:50:ASP:H	1:B:48:ILE:HG12	20	0.12
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD12	20	0.12
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD11	20	0.12
(1,3676)	1:B:50:ASP:H	1:B:54:ILE:HD13	20	0.12
(1,3675)	1:A:50:ASP:H	1:A:48:ILE:HG12	10	0.12
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD12	10	0.12
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD11	10	0.12
(1,3675)	1:A:50:ASP:H	1:A:54:ILE:HD13	10	0.12
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD2	15	0.12
(1,3614)	1:B:52:ALA:H	1:B:51:LYS:HD3	15	0.12
(1,3614)	1:B:52:ALA:H	1:B:54:ILE:HG12	15	0.12
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD2	15	0.12
(1,3613)	1:A:52:ALA:H	1:A:51:LYS:HD3	15	0.12
(1,3613)	1:A:52:ALA:H	1:A:54:ILE:HG12	15	0.12
(1,36)	1:B:90:HIS:H	1:B:89:THR:HB	4	0.12
(1,3580)	1:B:8:LEU:H	1:B:78:VAL:HB	15	0.12
(1,3580)	1:B:8:LEU:H	1:A:40:GLU:HB3	15	0.12
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB2	15	0.12
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB3	15	0.12
(1,3580)	1:B:8:LEU:H	1:A:78:VAL:HB	15	0.12
(1,3580)	1:B:8:LEU:H	1:B:78:VAL:HB	18	0.12
(1,3580)	1:B:8:LEU:H	1:A:40:GLU:HB3	18	0.12
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB2	18	0.12
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB3	18	0.12
(1,3580)	1:B:8:LEU:H	1:A:78:VAL:HB	18	0.12
(1,3579)	1:A:8:LEU:H	1:A:78:VAL:HB	15	0.12
(1,3579)	1:A:8:LEU:H	1:B:40:GLU:HB3	15	0.12
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB2	15	0.12
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB3	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3579)	1:A:8:LEU:H	1:B:78:VAL:HB	15	0.12
(1,3579)	1:A:8:LEU:H	1:A:78:VAL:HB	16	0.12
(1,3579)	1:A:8:LEU:H	1:B:40:GLU:HB3	16	0.12
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB2	16	0.12
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB3	16	0.12
(1,3579)	1:A:8:LEU:H	1:B:78:VAL:HB	16	0.12
(1,3579)	1:A:8:LEU:H	1:A:78:VAL:HB	18	0.12
(1,3579)	1:A:8:LEU:H	1:B:40:GLU:HB3	18	0.12
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB2	18	0.12
(1,3579)	1:A:8:LEU:H	1:B:41:LEU:HB3	18	0.12
(1,3579)	1:A:8:LEU:H	1:B:78:VAL:HB	18	0.12
(1,3538)	1:B:75:ILE:H	1:B:72:GLN:HB2	9	0.12
(1,3538)	1:B:75:ILE:H	1:B:73:GLU:HB2	9	0.12
(1,3538)	1:B:75:ILE:H	1:B:73:GLU:HB3	9	0.12
(1,3537)	1:A:75:ILE:H	1:A:72:GLN:HB2	9	0.12
(1,3537)	1:A:75:ILE:H	1:A:73:GLU:HB2	9	0.12
(1,3537)	1:A:75:ILE:H	1:A:73:GLU:HB3	9	0.12
(1,3473)	1:A:55:ASP:H	1:A:53:VAL:HB	17	0.12
(1,3473)	1:A:55:ASP:H	1:A:59:GLN:HG3	17	0.12
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	8	0.12
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	8	0.12
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	8	0.12
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	8	0.12
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	9	0.12
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	9	0.12
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	9	0.12
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	9	0.12
(1,3334)	1:B:69:VAL:H	1:B:29:SER:HB3	17	0.12
(1,3334)	1:B:69:VAL:H	1:B:33:LEU:HA	17	0.12
(1,3333)	1:A:69:VAL:H	1:A:29:SER:HB3	17	0.12
(1,3333)	1:A:69:VAL:H	1:A:33:LEU:HA	17	0.12
(1,3292)	1:B:84:ALA:H	1:B:92:GLU:H	7	0.12
(1,3292)	1:B:92:GLU:H	1:B:89:THR:H	7	0.12
(1,3292)	1:B:84:ALA:H	1:B:92:GLU:H	14	0.12
(1,3292)	1:B:92:GLU:H	1:B:89:THR:H	14	0.12
(1,3291)	1:A:84:ALA:H	1:A:92:GLU:H	7	0.12
(1,3291)	1:A:92:GLU:H	1:A:89:THR:H	7	0.12
(1,3291)	1:A:84:ALA:H	1:A:92:GLU:H	14	0.12
(1,3291)	1:A:92:GLU:H	1:A:89:THR:H	14	0.12
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	17	0.12
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	17	0.12
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	17	0.12
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	17	0.12
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	17	0.12
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	17	0.12
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	17	0.12
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	17	0.12
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	17	0.12
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	17	0.12
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	17	0.12
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	17	0.12
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	17	0.12
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	17	0.12
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	17	0.12
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	17	0.12
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	17	0.12
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	17	0.12
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	17	0.12
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	17	0.12
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	17	0.12
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	17	0.12
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	17	0.12
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	17	0.12
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	17	0.12
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	17	0.12
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	17	0.12
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	17	0.12
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	17	0.12
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	14	0.12
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	14	0.12
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	14	0.12
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	14	0.12
(1,2940)	1:B:49:LYS:HD2	1:B:54:ILE:HD12	9	0.12
(1,2940)	1:B:49:LYS:HD2	1:B:54:ILE:HD11	9	0.12
(1,2940)	1:B:49:LYS:HD2	1:B:54:ILE:HD13	9	0.12
(1,2940)	1:B:49:LYS:HD3	1:B:54:ILE:HD12	9	0.12
(1,2940)	1:B:49:LYS:HD3	1:B:54:ILE:HD11	9	0.12
(1,2940)	1:B:49:LYS:HD3	1:B:54:ILE:HD13	9	0.12
(1,2940)	1:B:51:LYS:HD2	1:B:54:ILE:HD12	9	0.12
(1,2940)	1:B:51:LYS:HD2	1:B:54:ILE:HD11	9	0.12
(1,2940)	1:B:51:LYS:HD2	1:B:54:ILE:HD13	9	0.12
(1,2940)	1:B:51:LYS:HD3	1:B:54:ILE:HD12	9	0.12
(1,2940)	1:B:51:LYS:HD3	1:B:54:ILE:HD11	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2940)	1:B:51:LYS:HD3	1:B:54:ILE:HD13	9	0.12
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	13	0.12
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	13	0.12
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	13	0.12
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	13	0.12
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	13	0.12
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	13	0.12
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	13	0.12
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	13	0.12
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	2	0.12
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	2	0.12
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	2	0.12
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	2	0.12
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	2	0.12
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	3	0.12
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	3	0.12
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	3	0.12
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	3	0.12
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	3	0.12
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	8	0.12
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	8	0.12
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	8	0.12
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	8	0.12
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	8	0.12
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	10	0.12
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	10	0.12
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	10	0.12
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	10	0.12
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	10	0.12
(1,2868)	1:B:79:ALA:HB2	1:B:77:LEU:HA	12	0.12
(1,2868)	1:B:79:ALA:HB1	1:B:77:LEU:HA	12	0.12
(1,2868)	1:B:79:ALA:HB3	1:B:77:LEU:HA	12	0.12
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG12	12	0.12
(1,2868)	1:B:77:LEU:HA	1:B:80:ILE:HG13	12	0.12
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	2	0.12
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	2	0.12
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	2	0.12
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	2	0.12
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	2	0.12
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	8	0.12
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	8	0.12
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	8	0.12
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	8	0.12
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	10	0.12
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	10	0.12
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	10	0.12
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	10	0.12
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	10	0.12
(1,2867)	1:A:79:ALA:HB2	1:A:77:LEU:HA	12	0.12
(1,2867)	1:A:79:ALA:HB1	1:A:77:LEU:HA	12	0.12
(1,2867)	1:A:79:ALA:HB3	1:A:77:LEU:HA	12	0.12
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG12	12	0.12
(1,2867)	1:A:77:LEU:HA	1:A:80:ILE:HG13	12	0.12
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	4	0.12
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	4	0.12
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	4	0.12
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	4	0.12
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	4	0.12
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	4	0.12
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	4	0.12
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	4	0.12
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	4	0.12
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	4	0.12
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	4	0.12
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	4	0.12
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	4	0.12
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	4	0.12
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	4	0.12
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	19	0.12
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	19	0.12
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	19	0.12
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	19	0.12
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	19	0.12
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	19	0.12
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	19	0.12
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	19	0.12
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	19	0.12
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	19	0.12
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	19	0.12
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	19	0.12
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	19	0.12
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	19	0.12
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	4	0.12
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	4	0.12
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	4	0.12
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	4	0.12
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	4	0.12
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	4	0.12
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	4	0.12
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	4	0.12
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	4	0.12
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	4	0.12
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	4	0.12
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	4	0.12
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	4	0.12
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	4	0.12
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	4	0.12
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	19	0.12
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	19	0.12
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	19	0.12
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	19	0.12
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	19	0.12
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	19	0.12
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	19	0.12
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	19	0.12
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	19	0.12
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	19	0.12
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	19	0.12
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	19	0.12
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	19	0.12
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	19	0.12
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	19	0.12
(1,2812)	1:B:8:LEU:HG	1:A:81:ALA:HB2	10	0.12
(1,2812)	1:B:8:LEU:HG	1:A:81:ALA:HB1	10	0.12
(1,2812)	1:B:8:LEU:HG	1:A:81:ALA:HB3	10	0.12
(1,2812)	1:B:37:LEU:HD22	1:B:33:LEU:HG	10	0.12
(1,2812)	1:B:37:LEU:HD21	1:B:33:LEU:HG	10	0.12
(1,2812)	1:B:37:LEU:HD23	1:B:33:LEU:HG	10	0.12
(1,2812)	1:B:37:LEU:HD22	1:B:77:LEU:HB2	10	0.12
(1,2812)	1:B:37:LEU:HD22	1:B:77:LEU:HB3	10	0.12
(1,2812)	1:B:37:LEU:HD21	1:B:77:LEU:HB2	10	0.12
(1,2812)	1:B:37:LEU:HD21	1:B:77:LEU:HB3	10	0.12
(1,2812)	1:B:37:LEU:HD23	1:B:77:LEU:HB2	10	0.12
(1,2812)	1:B:37:LEU:HD23	1:B:77:LEU:HB3	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2811)	1:A:8:LEU:HG	1:B:81:ALA:HB2	10	0.12
(1,2811)	1:A:8:LEU:HG	1:B:81:ALA:HB1	10	0.12
(1,2811)	1:A:8:LEU:HG	1:B:81:ALA:HB3	10	0.12
(1,2811)	1:A:37:LEU:HD22	1:A:33:LEU:HG	10	0.12
(1,2811)	1:A:37:LEU:HD21	1:A:33:LEU:HG	10	0.12
(1,2811)	1:A:37:LEU:HD23	1:A:33:LEU:HG	10	0.12
(1,2811)	1:A:37:LEU:HD22	1:A:77:LEU:HB2	10	0.12
(1,2811)	1:A:37:LEU:HD22	1:A:77:LEU:HB3	10	0.12
(1,2811)	1:A:37:LEU:HD21	1:A:77:LEU:HB2	10	0.12
(1,2811)	1:A:37:LEU:HD21	1:A:77:LEU:HB3	10	0.12
(1,2811)	1:A:37:LEU:HD23	1:A:77:LEU:HB2	10	0.12
(1,2811)	1:A:37:LEU:HD23	1:A:77:LEU:HB3	10	0.12
(1,2728)	1:B:75:ILE:HG22	1:A:91:LYS:HD3	11	0.12
(1,2728)	1:B:75:ILE:HG21	1:A:91:LYS:HD3	11	0.12
(1,2728)	1:B:75:ILE:HG23	1:A:91:LYS:HD3	11	0.12
(1,2728)	1:B:75:ILE:HG22	1:B:61:LEU:HB2	11	0.12
(1,2728)	1:B:75:ILE:HG21	1:B:61:LEU:HB2	11	0.12
(1,2728)	1:B:75:ILE:HG23	1:B:61:LEU:HB2	11	0.12
(1,2728)	1:B:75:ILE:HG22	1:A:61:LEU:HB2	11	0.12
(1,2728)	1:B:75:ILE:HG21	1:A:61:LEU:HB2	11	0.12
(1,2728)	1:B:75:ILE:HG23	1:A:61:LEU:HB2	11	0.12
(1,2727)	1:A:75:ILE:HG22	1:B:91:LYS:HD3	11	0.12
(1,2727)	1:A:75:ILE:HG21	1:B:91:LYS:HD3	11	0.12
(1,2727)	1:A:75:ILE:HG23	1:B:91:LYS:HD3	11	0.12
(1,2727)	1:A:75:ILE:HG22	1:A:61:LEU:HB2	11	0.12
(1,2727)	1:A:75:ILE:HG21	1:A:61:LEU:HB2	11	0.12
(1,2727)	1:A:75:ILE:HG23	1:A:61:LEU:HB2	11	0.12
(1,2727)	1:A:75:ILE:HG22	1:B:61:LEU:HB2	11	0.12
(1,2727)	1:A:75:ILE:HG21	1:B:61:LEU:HB2	11	0.12
(1,2727)	1:A:75:ILE:HG23	1:B:61:LEU:HB2	11	0.12
(1,2696)	1:B:57:ILE:HA	1:B:45:ILE:HB	15	0.12
(1,2696)	1:B:61:LEU:HB2	1:B:57:ILE:HA	15	0.12
(1,2696)	1:B:57:ILE:HA	1:B:91:LYS:HD3	15	0.12
(1,2696)	1:B:57:ILE:HA	1:B:45:ILE:HB	19	0.12
(1,2696)	1:B:61:LEU:HB2	1:B:57:ILE:HA	19	0.12
(1,2696)	1:B:57:ILE:HA	1:B:91:LYS:HD3	19	0.12
(1,2695)	1:A:57:ILE:HA	1:A:45:ILE:HB	8	0.12
(1,2695)	1:A:61:LEU:HB2	1:A:57:ILE:HA	8	0.12
(1,2695)	1:A:57:ILE:HA	1:A:91:LYS:HD3	8	0.12
(1,2695)	1:A:57:ILE:HA	1:A:45:ILE:HB	15	0.12
(1,2695)	1:A:61:LEU:HB2	1:A:57:ILE:HA	15	0.12
(1,2695)	1:A:57:ILE:HA	1:A:91:LYS:HD3	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2695)	1:A:57:ILE:HA	1:A:45:ILE:HB	19	0.12
(1,2695)	1:A:61:LEU:HB2	1:A:57:ILE:HA	19	0.12
(1,2695)	1:A:57:ILE:HA	1:A:91:LYS:HD3	19	0.12
(1,2680)	1:B:46:LYS:HB2	1:B:47:ASN:HB3	6	0.12
(1,2680)	1:B:49:LYS:HB2	1:B:47:ASN:HB3	6	0.12
(1,2680)	1:B:49:LYS:HB3	1:B:47:ASN:HB3	6	0.12
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB2	7	0.12
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB3	7	0.12
(1,2670)	1:B:54:ILE:HB	1:B:57:ILE:HB	7	0.12
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	3	0.12
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	3	0.12
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	3	0.12
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	3	0.12
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	3	0.12
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	3	0.12
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	3	0.12
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	3	0.12
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	3	0.12
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	3	0.12
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	5	0.12
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	5	0.12
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	5	0.12
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	5	0.12
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	5	0.12
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	5	0.12
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	5	0.12
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	5	0.12
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	5	0.12
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	5	0.12
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	5	0.12
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	5	0.12
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	5	0.12
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	5	0.12
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	5	0.12
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	5	0.12
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	5	0.12
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	5	0.12
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	5	0.12
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	5	0.12
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	4	0.12
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	4	0.12
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	4	0.12
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	4	0.12
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	4	0.12
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	4	0.12
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	4	0.12
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	4	0.12
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	4	0.12
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	12	0.12
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	12	0.12
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	12	0.12
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	12	0.12
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	12	0.12
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB2	6	0.12
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB3	6	0.12
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB2	6	0.12
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB3	6	0.12
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB2	6	0.12
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB3	6	0.12
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB2	6	0.12
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB3	6	0.12
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB2	15	0.12
(1,2643)	1:A:50:ASP:HB3	1:A:49:LYS:HB3	15	0.12
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB2	15	0.12
(1,2643)	1:A:50:ASP:HB3	1:A:51:LYS:HB3	15	0.12
(1,2618)	1:B:34:LYS:HB2	1:B:39:LYS:HB3	8	0.12
(1,2618)	1:B:34:LYS:HB3	1:B:39:LYS:HB3	8	0.12
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HB3	8	0.12
(1,2618)	1:B:39:LYS:HB3	1:B:37:LEU:HG	8	0.12
(1,2618)	1:B:39:LYS:HB3	1:B:40:GLU:HB3	8	0.12
(1,2618)	1:B:39:LYS:HB3	1:B:41:LEU:HB2	8	0.12
(1,2617)	1:A:34:LYS:HB2	1:A:39:LYS:HB3	8	0.12
(1,2617)	1:A:34:LYS:HB3	1:A:39:LYS:HB3	8	0.12
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HB3	8	0.12
(1,2617)	1:A:39:LYS:HB3	1:A:37:LEU:HG	8	0.12
(1,2617)	1:A:39:LYS:HB3	1:A:40:GLU:HB3	8	0.12
(1,2617)	1:A:39:LYS:HB3	1:A:41:LEU:HB2	8	0.12
(1,254)	1:B:49:LYS:HE2	1:B:38:THR:HB	1	0.12
(1,254)	1:B:49:LYS:HE3	1:B:38:THR:HB	1	0.12
(1,253)	1:A:49:LYS:HE2	1:A:38:THR:HB	1	0.12
(1,253)	1:A:49:LYS:HE3	1:A:38:THR:HB	1	0.12
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	16	0.12
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:B:54:ILE:HB	1:B:33:LEU:HB2	20	0.12
(1,2518)	1:B:54:ILE:HB	1:B:56:GLU:HB2	20	0.12
(1,2517)	1:A:54:ILE:HB	1:A:33:LEU:HB2	16	0.12
(1,2517)	1:A:54:ILE:HB	1:A:56:GLU:HB2	16	0.12
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD2	14	0.12
(1,2514)	1:B:47:ASN:HB3	1:B:46:LYS:HD3	14	0.12
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD2	14	0.12
(1,2513)	1:A:47:ASN:HB3	1:A:46:LYS:HD3	14	0.12
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	8	0.12
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	8	0.12
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	8	0.12
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	11	0.12
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	11	0.12
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	11	0.12
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	19	0.12
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	19	0.12
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	19	0.12
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	8	0.12
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	8	0.12
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	8	0.12
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	11	0.12
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	11	0.12
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	11	0.12
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	16	0.12
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	16	0.12
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	16	0.12
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	19	0.12
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	19	0.12
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	19	0.12
(1,2478)	1:B:55:ASP:HB2	1:B:56:GLU:HB2	10	0.12
(1,2478)	1:B:55:ASP:HB3	1:B:56:GLU:HB2	10	0.12
(1,2478)	1:B:55:ASP:HB3	1:B:59:GLN:HB2	10	0.12
(1,2478)	1:B:55:ASP:HB3	1:B:59:GLN:HB3	10	0.12
(1,2478)	1:B:55:ASP:HB2	1:B:56:GLU:HB2	20	0.12
(1,2478)	1:B:55:ASP:HB3	1:B:56:GLU:HB2	20	0.12
(1,2478)	1:B:55:ASP:HB3	1:B:59:GLN:HB2	20	0.12
(1,2478)	1:B:55:ASP:HB3	1:B:59:GLN:HB3	20	0.12
(1,2477)	1:A:55:ASP:HB2	1:A:56:GLU:HB2	10	0.12
(1,2477)	1:A:55:ASP:HB3	1:A:56:GLU:HB2	10	0.12
(1,2477)	1:A:55:ASP:HB3	1:A:59:GLN:HB2	10	0.12
(1,2477)	1:A:55:ASP:HB3	1:A:59:GLN:HB3	10	0.12
(1,2477)	1:A:55:ASP:HB2	1:A:56:GLU:HB2	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2477)	1:A:55:ASP:HB3	1:A:56:GLU:HB2	20	0.12
(1,2477)	1:A:55:ASP:HB3	1:A:59:GLN:HB2	20	0.12
(1,2477)	1:A:55:ASP:HB3	1:A:59:GLN:HB3	20	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:53:VAL:HB	9	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:53:VAL:HB	9	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:53:VAL:HB	9	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG2	9	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG2	9	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG2	9	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG3	9	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG3	9	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG3	9	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:53:VAL:HB	14	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:53:VAL:HB	14	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:53:VAL:HB	14	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG2	14	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG2	14	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG2	14	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG3	14	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG3	14	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG3	14	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:53:VAL:HB	15	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:53:VAL:HB	15	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:53:VAL:HB	15	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG2	15	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG2	15	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG2	15	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG3	15	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG3	15	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG3	15	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:53:VAL:HB	17	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:53:VAL:HB	17	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:53:VAL:HB	17	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG2	17	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG2	17	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG2	17	0.12
(1,2408)	1:B:52:ALA:HB2	1:B:56:GLU:HG3	17	0.12
(1,2408)	1:B:52:ALA:HB1	1:B:56:GLU:HG3	17	0.12
(1,2408)	1:B:52:ALA:HB3	1:B:56:GLU:HG3	17	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:53:VAL:HB	9	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:53:VAL:HB	9	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:53:VAL:HB	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG2	9	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG2	9	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG2	9	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG3	9	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG3	9	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG3	9	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:53:VAL:HB	14	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:53:VAL:HB	14	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:53:VAL:HB	14	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG2	14	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG2	14	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG2	14	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG3	14	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG3	14	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG3	14	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:53:VAL:HB	15	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:53:VAL:HB	15	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:53:VAL:HB	15	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG2	15	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG2	15	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG2	15	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG3	15	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG3	15	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG3	15	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:53:VAL:HB	17	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:53:VAL:HB	17	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:53:VAL:HB	17	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG2	17	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG2	17	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG2	17	0.12
(1,2407)	1:A:52:ALA:HB2	1:A:56:GLU:HG3	17	0.12
(1,2407)	1:A:52:ALA:HB1	1:A:56:GLU:HG3	17	0.12
(1,2407)	1:A:52:ALA:HB3	1:A:56:GLU:HG3	17	0.12
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG2	20	0.12
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG3	20	0.12
(1,2386)	1:B:8:LEU:HB2	1:B:12:VAL:HB	20	0.12
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG2	20	0.12
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG3	20	0.12
(1,2386)	1:B:8:LEU:HB3	1:B:12:VAL:HB	20	0.12
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG2	3	0.12
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG3	3	0.12
(1,2385)	1:A:8:LEU:HB2	1:A:12:VAL:HB	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG2	3	0.12
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG3	3	0.12
(1,2385)	1:A:8:LEU:HB3	1:A:12:VAL:HB	3	0.12
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG2	20	0.12
(1,2385)	1:A:8:LEU:HB2	1:A:9:GLU:HG3	20	0.12
(1,2385)	1:A:8:LEU:HB2	1:A:12:VAL:HB	20	0.12
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG2	20	0.12
(1,2385)	1:A:8:LEU:HB3	1:A:9:GLU:HG3	20	0.12
(1,2385)	1:A:8:LEU:HB3	1:A:12:VAL:HB	20	0.12
(1,2365)	1:A:53:VAL:HB	1:A:50:ASP:HB2	16	0.12
(1,2365)	1:A:83:LYS:HE2	1:B:72:GLN:HG2	16	0.12
(1,2365)	1:A:83:LYS:HE2	1:B:72:GLN:HG3	16	0.12
(1,2352)	1:B:36:LEU:HB2	1:B:40:GLU:HB2	4	0.12
(1,2352)	1:B:36:LEU:HB3	1:B:40:GLU:HB2	4	0.12
(1,2351)	1:A:36:LEU:HB2	1:A:40:GLU:HB2	4	0.12
(1,2351)	1:A:36:LEU:HB3	1:A:40:GLU:HB2	4	0.12
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE2	15	0.12
(1,2338)	1:B:58:PHE:HB2	1:B:30:LYS:HE3	15	0.12
(1,2338)	1:B:58:PHE:HB2	1:B:59:GLN:HG3	15	0.12
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE2	15	0.12
(1,2337)	1:A:58:PHE:HB2	1:A:30:LYS:HE3	15	0.12
(1,2337)	1:A:58:PHE:HB2	1:A:59:GLN:HG3	15	0.12
(1,2314)	1:B:54:ILE:HB	1:B:55:ASP:HB2	1	0.12
(1,2314)	1:B:54:ILE:HB	1:B:55:ASP:HB3	1	0.12
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB2	1	0.12
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB3	1	0.12
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	7	0.12
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	7	0.12
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE2	17	0.12
(1,2189)	1:A:37:LEU:HB3	1:A:39:LYS:HE3	17	0.12
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE2	17	0.12
(1,2189)	1:A:37:LEU:HB3	1:A:49:LYS:HE3	17	0.12
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE2	17	0.12
(1,2189)	1:A:37:LEU:HB3	1:A:51:LYS:HE3	17	0.12
(1,2189)	1:A:37:LEU:HB3	1:A:58:PHE:HB3	17	0.12
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE2	17	0.12
(1,2189)	1:A:41:LEU:HB2	1:A:49:LYS:HE3	17	0.12
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE2	17	0.12
(1,2189)	1:A:41:LEU:HB3	1:A:49:LYS:HE3	17	0.12
(1,2107)	1:A:61:LEU:HD22	1:A:57:ILE:HA	3	0.12
(1,2107)	1:A:61:LEU:HD21	1:A:57:ILE:HA	3	0.12
(1,2107)	1:A:61:LEU:HD23	1:A:57:ILE:HA	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:A:61:LEU:HD22	1:A:60:GLY:HA2	3	0.12
(1,2107)	1:A:61:LEU:HD22	1:A:60:GLY:HA3	3	0.12
(1,2107)	1:A:61:LEU:HD21	1:A:60:GLY:HA2	3	0.12
(1,2107)	1:A:61:LEU:HD21	1:A:60:GLY:HA3	3	0.12
(1,2107)	1:A:61:LEU:HD23	1:A:60:GLY:HA2	3	0.12
(1,2107)	1:A:61:LEU:HD23	1:A:60:GLY:HA3	3	0.12
(1,2107)	1:A:61:LEU:HD22	1:A:76:SER:HB3	3	0.12
(1,2107)	1:A:61:LEU:HD21	1:A:76:SER:HB3	3	0.12
(1,2107)	1:A:61:LEU:HD23	1:A:76:SER:HB3	3	0.12
(1,2060)	1:B:83:LYS:HD2	1:B:79:ALA:HA	3	0.12
(1,2060)	1:B:83:LYS:HD3	1:B:79:ALA:HA	3	0.12
(1,2060)	1:B:83:LYS:HD2	1:B:81:ALA:HA	3	0.12
(1,2060)	1:B:83:LYS:HD3	1:B:81:ALA:HA	3	0.12
(1,2060)	1:B:83:LYS:HD2	1:B:79:ALA:HA	12	0.12
(1,2060)	1:B:83:LYS:HD3	1:B:79:ALA:HA	12	0.12
(1,2060)	1:B:83:LYS:HD2	1:B:81:ALA:HA	12	0.12
(1,2060)	1:B:83:LYS:HD3	1:B:81:ALA:HA	12	0.12
(1,2059)	1:A:83:LYS:HD2	1:A:79:ALA:HA	3	0.12
(1,2059)	1:A:83:LYS:HD3	1:A:79:ALA:HA	3	0.12
(1,2059)	1:A:83:LYS:HD2	1:A:81:ALA:HA	3	0.12
(1,2059)	1:A:83:LYS:HD3	1:A:81:ALA:HA	3	0.12
(1,2059)	1:A:83:LYS:HD2	1:A:79:ALA:HA	12	0.12
(1,2059)	1:A:83:LYS:HD3	1:A:79:ALA:HA	12	0.12
(1,2059)	1:A:83:LYS:HD2	1:A:81:ALA:HA	12	0.12
(1,2059)	1:A:83:LYS:HD3	1:A:81:ALA:HA	12	0.12
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	7	0.12
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	7	0.12
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	7	0.12
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	18	0.12
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	18	0.12
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	18	0.12
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	18	0.12
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	18	0.12
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	18	0.12
(1,2025)	1:A:82:LEU:HD12	1:A:82:LEU:HA	15	0.12
(1,2025)	1:A:82:LEU:HD11	1:A:82:LEU:HA	15	0.12
(1,2025)	1:A:82:LEU:HD13	1:A:82:LEU:HA	15	0.12
(1,2025)	1:A:82:LEU:HD12	1:B:8:LEU:HA	15	0.12
(1,2025)	1:A:82:LEU:HD11	1:B:8:LEU:HA	15	0.12
(1,2025)	1:A:82:LEU:HD13	1:B:8:LEU:HA	15	0.12
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	9	0.12
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:A:39:LYS:HD2	1:A:35:GLN:HA	9	0.12
(1,191)	1:A:39:LYS:HD3	1:A:35:GLN:HA	9	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	2	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	2	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	2	0.12
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	2	0.12
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	2	0.12
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	2	0.12
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	2	0.12
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	2	0.12
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	2	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	6	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	6	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	6	0.12
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	6	0.12
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	6	0.12
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	6	0.12
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	6	0.12
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	6	0.12
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	6	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	11	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	11	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	11	0.12
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	11	0.12
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	11	0.12
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	11	0.12
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	11	0.12
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	11	0.12
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	11	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	17	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	17	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	17	0.12
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	17	0.12
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	17	0.12
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	17	0.12
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	17	0.12
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	17	0.12
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	17	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	20	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	20	0.12
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	20	0.12
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	20	0.12
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	20	0.12
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	20	0.12
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	20	0.12
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	20	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	2	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	2	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	2	0.12
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	2	0.12
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	2	0.12
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	2	0.12
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	2	0.12
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	2	0.12
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	2	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	6	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	6	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	6	0.12
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	6	0.12
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	6	0.12
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	6	0.12
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	6	0.12
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	6	0.12
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	6	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	11	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	11	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	11	0.12
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	11	0.12
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	11	0.12
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	11	0.12
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	11	0.12
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	11	0.12
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	11	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	17	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	17	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	17	0.12
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	17	0.12
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	17	0.12
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	17	0.12
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	17	0.12
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	17	0.12
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	17	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	20	0.12
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	20	0.12
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	20	0.12
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	20	0.12
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	20	0.12
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	20	0.12
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	20	0.12
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	20	0.12
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	1	0.12
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	1	0.12
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	1	0.12
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	1	0.12
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	1	0.12
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	1	0.12
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	4	0.12
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	4	0.12
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	4	0.12
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	4	0.12
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	4	0.12
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	4	0.12
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	4	0.12
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	4	0.12
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	4	0.12
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	4	0.12
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	4	0.12
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	4	0.12
(1,1738)	1:B:75:ILE:HG22	1:A:75:ILE:HG22	5	0.12
(1,1738)	1:B:75:ILE:HG22	1:A:75:ILE:HG21	5	0.12
(1,1738)	1:B:75:ILE:HG22	1:A:75:ILE:HG23	5	0.12
(1,1738)	1:B:75:ILE:HG21	1:A:75:ILE:HG22	5	0.12
(1,1738)	1:B:75:ILE:HG21	1:A:75:ILE:HG21	5	0.12
(1,1738)	1:B:75:ILE:HG21	1:A:75:ILE:HG23	5	0.12
(1,1738)	1:B:75:ILE:HG23	1:A:75:ILE:HG22	5	0.12
(1,1738)	1:B:75:ILE:HG23	1:A:75:ILE:HG21	5	0.12
(1,1738)	1:B:75:ILE:HG23	1:A:75:ILE:HG23	5	0.12
(1,1738)	1:B:75:ILE:HG22	1:A:82:LEU:HD12	5	0.12
(1,1738)	1:B:75:ILE:HG22	1:A:82:LEU:HD11	5	0.12
(1,1738)	1:B:75:ILE:HG22	1:A:82:LEU:HD13	5	0.12
(1,1738)	1:B:75:ILE:HG21	1:A:82:LEU:HD12	5	0.12
(1,1738)	1:B:75:ILE:HG21	1:A:82:LEU:HD11	5	0.12
(1,1738)	1:B:75:ILE:HG21	1:A:82:LEU:HD13	5	0.12
(1,1738)	1:B:75:ILE:HG23	1:A:82:LEU:HD12	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1738)	1:B:75:ILE:HG23	1:A:82:LEU:HD11	5	0.12
(1,1738)	1:B:75:ILE:HG23	1:A:82:LEU:HD13	5	0.12
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	1	0.12
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	1	0.12
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	1	0.12
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	4	0.12
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	4	0.12
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	4	0.12
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	9	0.12
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	9	0.12
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	9	0.12
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	13	0.12
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	13	0.12
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	13	0.12
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	4	0.12
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	4	0.12
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	4	0.12
(1,1618)	1:B:63:ALA:H	1:B:61:LEU:HB3	3	0.12
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	3	0.12
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	12	0.12
(1,1560)	1:B:77:LEU:H	1:B:61:LEU:HB2	10	0.12
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	5	0.12
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	9	0.12
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	16	0.12
(1,1532)	1:B:33:LEU:H	1:B:32:GLU:HB3	14	0.12
(1,1531)	1:A:33:LEU:H	1:A:32:GLU:HB3	14	0.12
(1,1440)	1:B:73:GLU:H	1:B:72:GLN:HG2	5	0.12
(1,1440)	1:B:73:GLU:H	1:B:72:GLN:HG3	5	0.12
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG2	5	0.12
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG3	5	0.12
(1,1390)	1:B:86:HIS:H	1:B:86:HIS:HB2	17	0.12
(1,1389)	1:A:86:HIS:H	1:A:86:HIS:HB2	17	0.12
(1,1385)	1:A:87:TYR:H	1:A:86:HIS:HB2	9	0.12
(1,1374)	1:B:51:LYS:H	1:B:50:ASP:HB2	18	0.12
(1,1367)	1:A:52:ALA:H	1:A:50:ASP:HB2	16	0.12
(1,1334)	1:B:50:ASP:H	1:B:47:ASN:HB2	19	0.12
(1,1333)	1:A:50:ASP:H	1:A:47:ASN:HB2	19	0.12
(1,1086)	1:B:46:LYS:H	1:B:90:HIS:HA	3	0.12
(1,1086)	1:B:46:LYS:H	1:B:90:HIS:HA	12	0.12
(1,1085)	1:A:46:LYS:H	1:A:90:HIS:HA	3	0.12
(1,1085)	1:A:46:LYS:H	1:A:90:HIS:HA	12	0.12
(3,98)	1:B:37:LEU:N	1:B:33:LEU:O	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,92)	1:B:34:LYS:N	1:B:30:LYS:O	4	0.11
(3,92)	1:B:34:LYS:N	1:B:30:LYS:O	6	0.11
(3,92)	1:B:34:LYS:N	1:B:30:LYS:O	13	0.11
(3,92)	1:B:34:LYS:N	1:B:30:LYS:O	18	0.11
(3,92)	1:B:34:LYS:N	1:B:30:LYS:O	20	0.11
(3,89)	1:B:18:TYR:H	1:B:14:ILE:O	13	0.11
(3,80)	1:B:13:ASN:N	1:B:9:GLU:O	6	0.11
(3,8)	1:A:13:ASN:N	1:A:9:GLU:O	6	0.11
(3,43)	1:A:60:GLY:H	1:A:56:GLU:O	14	0.11
(3,42)	1:A:59:GLN:N	1:A:55:ASP:O	3	0.11
(3,42)	1:A:59:GLN:N	1:A:55:ASP:O	11	0.11
(3,34)	1:A:55:ASP:N	1:A:51:LYS:O	15	0.11
(3,32)	1:A:40:GLU:N	1:A:36:LEU:O	3	0.11
(3,32)	1:A:40:GLU:N	1:A:36:LEU:O	11	0.11
(3,20)	1:A:34:LYS:N	1:A:30:LYS:O	4	0.11
(3,20)	1:A:34:LYS:N	1:A:30:LYS:O	6	0.11
(3,20)	1:A:34:LYS:N	1:A:30:LYS:O	13	0.11
(3,20)	1:A:34:LYS:N	1:A:30:LYS:O	18	0.11
(3,17)	1:A:18:TYR:H	1:A:14:ILE:O	13	0.11
(3,17)	1:A:18:TYR:H	1:A:14:ILE:O	16	0.11
(3,115)	1:B:60:GLY:H	1:B:56:GLU:O	10	0.11
(3,115)	1:B:60:GLY:H	1:B:56:GLU:O	14	0.11
(3,115)	1:B:60:GLY:H	1:B:56:GLU:O	16	0.11
(3,114)	1:B:59:GLN:N	1:B:55:ASP:O	3	0.11
(3,114)	1:B:59:GLN:N	1:B:55:ASP:O	11	0.11
(3,114)	1:B:59:GLN:N	1:B:55:ASP:O	16	0.11
(3,106)	1:B:55:ASP:N	1:B:51:LYS:O	15	0.11
(3,104)	1:B:40:GLU:N	1:B:36:LEU:O	3	0.11
(3,104)	1:B:40:GLU:N	1:B:36:LEU:O	11	0.11
(2,132)	1:B:12:VAL:H	1:A:86:HIS:HB3	11	0.11
(2,131)	1:A:12:VAL:H	1:B:86:HIS:HB3	11	0.11
(2,126)	1:B:63:ALA:H	1:B:64:ASN:HB3	20	0.11
(2,125)	1:A:63:ALA:H	1:A:64:ASN:HB3	20	0.11
(1,917)	1:A:91:LYS:H	1:A:90:HIS:H	3	0.11
(1,917)	1:A:91:LYS:H	1:A:90:HIS:H	5	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	2	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	2	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	2	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	2	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	2	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	2	0.11
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	2	0.11
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	2	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	12	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	12	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	12	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	12	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	12	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	12	0.11
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	12	0.11
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	12	0.11
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	12	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	13	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	13	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	13	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	13	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	13	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	13	0.11
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	13	0.11
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	13	0.11
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	13	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD12	17	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD11	17	0.11
(1,852)	1:B:78:VAL:HG12	1:B:80:ILE:HD13	17	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD12	17	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD11	17	0.11
(1,852)	1:B:78:VAL:HG11	1:B:80:ILE:HD13	17	0.11
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD12	17	0.11
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD11	17	0.11
(1,852)	1:B:78:VAL:HG13	1:B:80:ILE:HD13	17	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	2	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	2	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	2	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	2	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	2	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	2	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	2	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	2	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	2	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	12	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	12	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	12	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	12	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	12	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	12	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	12	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	12	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	13	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	13	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	13	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	13	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	13	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	13	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	13	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	13	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	13	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	16	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	16	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	16	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	16	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	16	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	16	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	16	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	16	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	16	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD12	17	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD11	17	0.11
(1,851)	1:A:78:VAL:HG12	1:A:80:ILE:HD13	17	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD12	17	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD11	17	0.11
(1,851)	1:A:78:VAL:HG11	1:A:80:ILE:HD13	17	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD12	17	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD11	17	0.11
(1,851)	1:A:78:VAL:HG13	1:A:80:ILE:HD13	17	0.11
(1,806)	1:B:80:ILE:HD12	1:B:61:LEU:HD22	3	0.11
(1,806)	1:B:80:ILE:HD12	1:B:61:LEU:HD21	3	0.11
(1,806)	1:B:80:ILE:HD12	1:B:61:LEU:HD23	3	0.11
(1,806)	1:B:80:ILE:HD11	1:B:61:LEU:HD22	3	0.11
(1,806)	1:B:80:ILE:HD11	1:B:61:LEU:HD21	3	0.11
(1,806)	1:B:80:ILE:HD11	1:B:61:LEU:HD23	3	0.11
(1,806)	1:B:80:ILE:HD13	1:B:61:LEU:HD22	3	0.11
(1,806)	1:B:80:ILE:HD13	1:B:61:LEU:HD21	3	0.11
(1,806)	1:B:80:ILE:HD13	1:B:61:LEU:HD23	3	0.11
(1,805)	1:A:80:ILE:HD12	1:A:61:LEU:HD22	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:A:80:ILE:HD12	1:A:61:LEU:HD21	3	0.11
(1,805)	1:A:80:ILE:HD12	1:A:61:LEU:HD23	3	0.11
(1,805)	1:A:80:ILE:HD11	1:A:61:LEU:HD22	3	0.11
(1,805)	1:A:80:ILE:HD11	1:A:61:LEU:HD21	3	0.11
(1,805)	1:A:80:ILE:HD11	1:A:61:LEU:HD23	3	0.11
(1,805)	1:A:80:ILE:HD13	1:A:61:LEU:HD22	3	0.11
(1,805)	1:A:80:ILE:HD13	1:A:61:LEU:HD21	3	0.11
(1,805)	1:A:80:ILE:HD13	1:A:61:LEU:HD23	3	0.11
(1,76)	1:B:41:LEU:H	1:B:40:GLU:HG2	1	0.11
(1,76)	1:B:41:LEU:H	1:B:40:GLU:HG3	1	0.11
(1,75)	1:A:41:LEU:H	1:A:40:GLU:HG2	1	0.11
(1,75)	1:A:41:LEU:H	1:A:40:GLU:HG3	1	0.11
(1,72)	1:B:49:LYS:H	1:B:53:VAL:HG12	18	0.11
(1,72)	1:B:49:LYS:H	1:B:53:VAL:HG11	18	0.11
(1,72)	1:B:49:LYS:H	1:B:53:VAL:HG13	18	0.11
(1,71)	1:A:49:LYS:H	1:A:53:VAL:HG12	18	0.11
(1,71)	1:A:49:LYS:H	1:A:53:VAL:HG11	18	0.11
(1,71)	1:A:49:LYS:H	1:A:53:VAL:HG13	18	0.11
(1,700)	1:B:37:LEU:HD22	1:B:48:ILE:HG13	10	0.11
(1,700)	1:B:37:LEU:HD21	1:B:48:ILE:HG13	10	0.11
(1,700)	1:B:37:LEU:HD23	1:B:48:ILE:HG13	10	0.11
(1,699)	1:A:37:LEU:HD22	1:A:48:ILE:HG13	10	0.11
(1,699)	1:A:37:LEU:HD21	1:A:48:ILE:HG13	10	0.11
(1,699)	1:A:37:LEU:HD23	1:A:48:ILE:HG13	10	0.11
(1,650)	1:B:49:LYS:HG2	1:B:49:LYS:HA	17	0.11
(1,650)	1:B:49:LYS:HG3	1:B:49:LYS:HA	17	0.11
(1,649)	1:A:49:LYS:HG2	1:A:49:LYS:HA	17	0.11
(1,649)	1:A:49:LYS:HG3	1:A:49:LYS:HA	17	0.11
(1,614)	1:B:75:ILE:HG12	1:B:75:ILE:HA	5	0.11
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB2	20	0.11
(1,584)	1:B:8:LEU:HB2	1:A:82:LEU:HB3	20	0.11
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB2	20	0.11
(1,583)	1:A:8:LEU:HB2	1:B:82:LEU:HB3	20	0.11
(1,562)	1:B:39:LYS:HD2	1:B:35:GLN:HG2	13	0.11
(1,562)	1:B:39:LYS:HD3	1:B:35:GLN:HG2	13	0.11
(1,562)	1:B:39:LYS:HD2	1:B:35:GLN:HG2	14	0.11
(1,562)	1:B:39:LYS:HD3	1:B:35:GLN:HG2	14	0.11
(1,561)	1:A:39:LYS:HD2	1:A:35:GLN:HG2	13	0.11
(1,561)	1:A:39:LYS:HD3	1:A:35:GLN:HG2	13	0.11
(1,558)	1:B:91:LYS:HD3	1:B:80:ILE:HA	14	0.11
(1,557)	1:A:91:LYS:HD3	1:A:80:ILE:HA	14	0.11
(1,556)	1:B:45:ILE:HB	1:B:44:THR:HB	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:A:45:ILE:HB	1:A:44:THR:HB	20	0.11
(1,548)	1:B:45:ILE:HG13	1:B:41:LEU:HB3	12	0.11
(1,547)	1:A:45:ILE:HG13	1:A:41:LEU:HB3	12	0.11
(1,542)	1:B:58:PHE:HA	1:B:57:ILE:HB	4	0.11
(1,541)	1:A:58:PHE:HA	1:A:57:ILE:HB	4	0.11
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	4	0.11
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	4	0.11
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	4	0.11
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	11	0.11
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	11	0.11
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	11	0.11
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	12	0.11
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	12	0.11
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	12	0.11
(1,538)	1:B:75:ILE:HD12	1:B:75:ILE:HB	13	0.11
(1,538)	1:B:75:ILE:HD11	1:B:75:ILE:HB	13	0.11
(1,538)	1:B:75:ILE:HD13	1:B:75:ILE:HB	13	0.11
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	4	0.11
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	4	0.11
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	4	0.11
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	11	0.11
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	11	0.11
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	11	0.11
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	12	0.11
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	12	0.11
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	12	0.11
(1,537)	1:A:75:ILE:HD12	1:A:75:ILE:HB	13	0.11
(1,537)	1:A:75:ILE:HD11	1:A:75:ILE:HB	13	0.11
(1,537)	1:A:75:ILE:HD13	1:A:75:ILE:HB	13	0.11
(1,512)	1:B:91:LYS:HB2	1:B:83:LYS:HB2	7	0.11
(1,470)	1:B:36:LEU:HD12	1:B:40:GLU:HG2	11	0.11
(1,470)	1:B:36:LEU:HD12	1:B:40:GLU:HG3	11	0.11
(1,470)	1:B:36:LEU:HD11	1:B:40:GLU:HG2	11	0.11
(1,470)	1:B:36:LEU:HD11	1:B:40:GLU:HG3	11	0.11
(1,470)	1:B:36:LEU:HD13	1:B:40:GLU:HG2	11	0.11
(1,470)	1:B:36:LEU:HD13	1:B:40:GLU:HG3	11	0.11
(1,469)	1:A:36:LEU:HD12	1:A:40:GLU:HG2	11	0.11
(1,469)	1:A:36:LEU:HD12	1:A:40:GLU:HG3	11	0.11
(1,469)	1:A:36:LEU:HD11	1:A:40:GLU:HG2	11	0.11
(1,469)	1:A:36:LEU:HD11	1:A:40:GLU:HG3	11	0.11
(1,469)	1:A:36:LEU:HD13	1:A:40:GLU:HG2	11	0.11
(1,469)	1:A:36:LEU:HD13	1:A:40:GLU:HG3	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,424)	1:B:39:LYS:HD2	1:B:35:GLN:HB3	6	0.11
(1,424)	1:B:39:LYS:HD3	1:B:35:GLN:HB3	6	0.11
(1,424)	1:B:39:LYS:HD2	1:B:35:GLN:HB3	12	0.11
(1,424)	1:B:39:LYS:HD3	1:B:35:GLN:HB3	12	0.11
(1,423)	1:A:39:LYS:HD2	1:A:35:GLN:HB3	6	0.11
(1,423)	1:A:39:LYS:HD3	1:A:35:GLN:HB3	6	0.11
(1,423)	1:A:39:LYS:HD2	1:A:35:GLN:HB3	12	0.11
(1,423)	1:A:39:LYS:HD3	1:A:35:GLN:HB3	12	0.11
(1,398)	1:B:12:VAL:HA	1:A:86:HIS:HB3	17	0.11
(1,397)	1:A:12:VAL:HA	1:B:86:HIS:HB3	17	0.11
(1,386)	1:B:36:LEU:HD22	1:B:36:LEU:HA	20	0.11
(1,386)	1:B:36:LEU:HD21	1:B:36:LEU:HA	20	0.11
(1,386)	1:B:36:LEU:HD23	1:B:36:LEU:HA	20	0.11
(1,385)	1:A:36:LEU:HD22	1:A:36:LEU:HA	20	0.11
(1,385)	1:A:36:LEU:HD21	1:A:36:LEU:HA	20	0.11
(1,385)	1:A:36:LEU:HD23	1:A:36:LEU:HA	20	0.11
(1,3824)	1:B:63:ALA:H	1:B:61:LEU:HD22	17	0.11
(1,3824)	1:B:63:ALA:H	1:B:61:LEU:HD21	17	0.11
(1,3824)	1:B:63:ALA:H	1:B:61:LEU:HD23	17	0.11
(1,3824)	1:B:63:ALA:H	1:B:75:ILE:HG22	17	0.11
(1,3824)	1:B:63:ALA:H	1:B:75:ILE:HG21	17	0.11
(1,3824)	1:B:63:ALA:H	1:B:75:ILE:HG23	17	0.11
(1,3823)	1:A:63:ALA:H	1:A:61:LEU:HD22	17	0.11
(1,3823)	1:A:63:ALA:H	1:A:61:LEU:HD21	17	0.11
(1,3823)	1:A:63:ALA:H	1:A:61:LEU:HD23	17	0.11
(1,3823)	1:A:63:ALA:H	1:A:75:ILE:HG22	17	0.11
(1,3823)	1:A:63:ALA:H	1:A:75:ILE:HG21	17	0.11
(1,3823)	1:A:63:ALA:H	1:A:75:ILE:HG23	17	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG22	3	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG21	3	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG23	3	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD12	3	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD11	3	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD13	3	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG22	3	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG21	3	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG23	3	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG22	6	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG21	6	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG23	6	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD12	6	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD11	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD13	6	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG22	6	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG21	6	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG23	6	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG22	20	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG21	20	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HG23	20	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD12	20	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD11	20	0.11
(1,3810)	1:B:75:ILE:H	1:B:75:ILE:HD13	20	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG22	20	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG21	20	0.11
(1,3810)	1:B:75:ILE:H	1:B:78:VAL:HG23	20	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG22	3	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG21	3	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG23	3	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD12	3	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD11	3	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD13	3	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG22	3	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG21	3	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG23	3	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG22	6	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG21	6	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG23	6	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD12	6	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD11	6	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD13	6	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG22	6	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG21	6	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG23	6	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG22	16	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG21	16	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG23	16	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD12	16	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD11	16	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD13	16	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG22	16	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG21	16	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG23	16	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG22	20	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG21	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HG23	20	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD12	20	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD11	20	0.11
(1,3809)	1:A:75:ILE:H	1:A:75:ILE:HD13	20	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG22	20	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG21	20	0.11
(1,3809)	1:A:75:ILE:H	1:A:78:VAL:HG23	20	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD12	3	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD11	3	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD13	3	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD22	3	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD21	3	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD23	3	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD12	3	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD11	3	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD13	3	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD12	10	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD11	10	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD13	10	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD22	10	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD21	10	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD23	10	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD12	10	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD11	10	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD13	10	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD12	12	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD11	12	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD13	12	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD22	12	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD21	12	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD23	12	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD12	12	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD11	12	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD13	12	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD12	14	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD11	14	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD13	14	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD22	14	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD21	14	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD23	14	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD12	14	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD11	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD13	14	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD12	18	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD11	18	0.11
(1,3806)	1:B:50:ASP:H	1:B:48:ILE:HD13	18	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD22	18	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD21	18	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD23	18	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD12	18	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD11	18	0.11
(1,3806)	1:B:36:LEU:H	1:B:36:LEU:HD13	18	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD12	3	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD11	3	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD13	3	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD22	3	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD21	3	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD23	3	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD12	3	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD11	3	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD13	3	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD12	10	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD11	10	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD13	10	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD22	10	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD21	10	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD23	10	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD12	10	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD11	10	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD13	10	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD12	12	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD11	12	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD13	12	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD22	12	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD21	12	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD23	12	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD12	12	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD11	12	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD13	12	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD12	14	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD11	14	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD13	14	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD22	14	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD21	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD23	14	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD12	14	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD11	14	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD13	14	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD12	18	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD11	18	0.11
(1,3805)	1:A:50:ASP:H	1:A:48:ILE:HD13	18	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD22	18	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD21	18	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD23	18	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD12	18	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD11	18	0.11
(1,3805)	1:A:36:LEU:H	1:A:36:LEU:HD13	18	0.11
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG22	1	0.11
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG21	1	0.11
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG23	1	0.11
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG22	1	0.11
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG21	1	0.11
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG23	1	0.11
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG22	3	0.11
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG21	3	0.11
(1,3766)	1:B:15:PHE:H	1:B:12:VAL:HG23	3	0.11
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG22	3	0.11
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG21	3	0.11
(1,3766)	1:B:17:GLN:H	1:B:12:VAL:HG23	3	0.11
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG22	1	0.11
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG21	1	0.11
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG23	1	0.11
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG22	1	0.11
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG21	1	0.11
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG23	1	0.11
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG22	3	0.11
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG21	3	0.11
(1,3765)	1:A:15:PHE:H	1:A:12:VAL:HG23	3	0.11
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG22	3	0.11
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG21	3	0.11
(1,3765)	1:A:17:GLN:H	1:A:12:VAL:HG23	3	0.11
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD12	5	0.11
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD11	5	0.11
(1,3730)	1:B:37:LEU:H	1:B:33:LEU:HD13	5	0.11
(1,3730)	1:B:37:LEU:H	1:B:36:LEU:HG	5	0.11
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD12	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD11	5	0.11
(1,3729)	1:A:37:LEU:H	1:A:33:LEU:HD13	5	0.11
(1,3729)	1:A:37:LEU:H	1:A:36:LEU:HG	5	0.11
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	4	0.11
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	4	0.11
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	7	0.11
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	7	0.11
(1,370)	1:B:91:LYS:HE2	1:B:90:HIS:HB3	12	0.11
(1,370)	1:B:91:LYS:HE3	1:B:90:HIS:HB3	12	0.11
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	4	0.11
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	4	0.11
(1,369)	1:A:91:LYS:HE2	1:A:90:HIS:HB3	7	0.11
(1,369)	1:A:91:LYS:HE3	1:A:90:HIS:HB3	7	0.11
(1,3662)	1:B:61:LEU:H	1:B:33:LEU:HG	20	0.11
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB2	20	0.11
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB1	20	0.11
(1,3662)	1:B:61:LEU:H	1:B:63:ALA:HB3	20	0.11
(1,3662)	1:B:61:LEU:H	1:B:77:LEU:HB2	20	0.11
(1,3662)	1:B:61:LEU:H	1:B:77:LEU:HB3	20	0.11
(1,3661)	1:A:61:LEU:H	1:A:33:LEU:HG	20	0.11
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB2	20	0.11
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB1	20	0.11
(1,3661)	1:A:61:LEU:H	1:A:63:ALA:HB3	20	0.11
(1,3661)	1:A:61:LEU:H	1:A:77:LEU:HB2	20	0.11
(1,3661)	1:A:61:LEU:H	1:A:77:LEU:HB3	20	0.11
(1,364)	1:B:80:ILE:HA	1:B:91:LYS:HE2	6	0.11
(1,364)	1:B:80:ILE:HA	1:B:91:LYS:HE3	6	0.11
(1,363)	1:A:80:ILE:HA	1:A:91:LYS:HE2	6	0.11
(1,363)	1:A:80:ILE:HA	1:A:91:LYS:HE3	6	0.11
(1,36)	1:B:90:HIS:H	1:B:89:THR:HB	7	0.11
(1,3580)	1:B:8:LEU:H	1:B:78:VAL:HB	16	0.11
(1,3580)	1:B:8:LEU:H	1:A:40:GLU:HB3	16	0.11
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB2	16	0.11
(1,3580)	1:B:8:LEU:H	1:A:41:LEU:HB3	16	0.11
(1,3580)	1:B:8:LEU:H	1:A:78:VAL:HB	16	0.11
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	17	0.11
(1,352)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	17	0.11
(1,3516)	1:B:39:LYS:H	1:B:39:LYS:HB2	7	0.11
(1,3516)	1:B:39:LYS:H	1:B:40:GLU:HG2	7	0.11
(1,3516)	1:B:39:LYS:H	1:B:40:GLU:HG3	7	0.11
(1,3516)	1:B:39:LYS:H	1:B:39:LYS:HB2	12	0.11
(1,3516)	1:B:39:LYS:H	1:B:40:GLU:HG2	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3516)	1:B:39:LYS:H	1:B:40:GLU:HG3	12	0.11
(1,3515)	1:A:39:LYS:H	1:A:39:LYS:HB2	7	0.11
(1,3515)	1:A:39:LYS:H	1:A:40:GLU:HG2	7	0.11
(1,3515)	1:A:39:LYS:H	1:A:40:GLU:HG3	7	0.11
(1,3515)	1:A:39:LYS:H	1:A:39:LYS:HB2	12	0.11
(1,3515)	1:A:39:LYS:H	1:A:40:GLU:HG2	12	0.11
(1,3515)	1:A:39:LYS:H	1:A:40:GLU:HG3	12	0.11
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	17	0.11
(1,351)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	17	0.11
(1,35)	1:A:90:HIS:H	1:A:89:THR:HB	4	0.11
(1,35)	1:A:90:HIS:H	1:A:89:THR:HB	7	0.11
(1,3484)	1:B:75:ILE:H	1:B:71:PHE:HB2	13	0.11
(1,3484)	1:B:75:ILE:H	1:B:72:GLN:HG2	13	0.11
(1,3484)	1:B:75:ILE:H	1:B:72:GLN:HG3	13	0.11
(1,3483)	1:A:75:ILE:H	1:A:71:PHE:HB2	13	0.11
(1,3483)	1:A:75:ILE:H	1:A:72:GLN:HG2	13	0.11
(1,3483)	1:A:75:ILE:H	1:A:72:GLN:HG3	13	0.11
(1,3451)	1:A:72:GLN:H	1:B:83:LYS:HE2	3	0.11
(1,3451)	1:A:72:GLN:H	1:B:83:LYS:HE3	3	0.11
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	8	0.11
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	8	0.11
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	8	0.11
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	8	0.11
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE2	9	0.11
(1,3448)	1:B:89:THR:H	1:B:83:LYS:HE3	9	0.11
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE2	9	0.11
(1,3448)	1:B:89:THR:H	1:B:91:LYS:HE3	9	0.11
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE2	6	0.11
(1,3447)	1:A:89:THR:H	1:A:83:LYS:HE3	6	0.11
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE2	6	0.11
(1,3447)	1:A:89:THR:H	1:A:91:LYS:HE3	6	0.11
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE2	14	0.11
(1,3444)	1:B:35:GLN:H	1:B:49:LYS:HE3	14	0.11
(1,3444)	1:B:41:LEU:H	1:B:43:ASN:HB2	14	0.11
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE2	14	0.11
(1,3444)	1:B:41:LEU:H	1:B:49:LYS:HE3	14	0.11
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE2	14	0.11
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE3	14	0.11
(1,3443)	1:A:41:LEU:H	1:A:43:ASN:HB2	14	0.11
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE2	14	0.11
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE3	14	0.11
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE2	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3443)	1:A:35:GLN:H	1:A:49:LYS:HE3	19	0.11
(1,3443)	1:A:41:LEU:H	1:A:43:ASN:HB2	19	0.11
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE2	19	0.11
(1,3443)	1:A:41:LEU:H	1:A:49:LYS:HE3	19	0.11
(1,3334)	1:B:69:VAL:H	1:B:29:SER:HB3	6	0.11
(1,3334)	1:B:69:VAL:H	1:B:33:LEU:HA	6	0.11
(1,3334)	1:B:69:VAL:H	1:B:29:SER:HB3	14	0.11
(1,3334)	1:B:69:VAL:H	1:B:33:LEU:HA	14	0.11
(1,3333)	1:A:69:VAL:H	1:A:29:SER:HB3	6	0.11
(1,3333)	1:A:69:VAL:H	1:A:33:LEU:HA	6	0.11
(1,3333)	1:A:69:VAL:H	1:A:29:SER:HB3	14	0.11
(1,3333)	1:A:69:VAL:H	1:A:33:LEU:HA	14	0.11
(1,3220)	1:B:30:LYS:HG3	1:B:62:ASP:HB2	19	0.11
(1,3220)	1:B:71:PHE:HB3	1:B:78:VAL:HG22	19	0.11
(1,3220)	1:B:71:PHE:HB3	1:B:78:VAL:HG21	19	0.11
(1,3220)	1:B:71:PHE:HB3	1:B:78:VAL:HG23	19	0.11
(1,3219)	1:A:30:LYS:HG3	1:A:62:ASP:HB2	19	0.11
(1,3219)	1:A:71:PHE:HB3	1:A:78:VAL:HG22	19	0.11
(1,3219)	1:A:71:PHE:HB3	1:A:78:VAL:HG21	19	0.11
(1,3219)	1:A:71:PHE:HB3	1:A:78:VAL:HG23	19	0.11
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG13	1	0.11
(1,3214)	1:B:54:ILE:HG13	1:B:30:LYS:HG3	1	0.11
(1,3214)	1:B:36:LEU:HD22	1:B:54:ILE:HG13	1	0.11
(1,3214)	1:B:36:LEU:HD21	1:B:54:ILE:HG13	1	0.11
(1,3214)	1:B:36:LEU:HD23	1:B:54:ILE:HG13	1	0.11
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD12	1	0.11
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD11	1	0.11
(1,3214)	1:B:54:ILE:HG13	1:B:45:ILE:HD13	1	0.11
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD12	1	0.11
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD11	1	0.11
(1,3214)	1:B:91:LYS:HD2	1:B:45:ILE:HD13	1	0.11
(1,3214)	1:B:30:LYS:HG2	1:B:54:ILE:HG12	1	0.11
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD12	1	0.11
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD11	1	0.11
(1,3214)	1:B:54:ILE:HG12	1:B:45:ILE:HD13	1	0.11
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG13	1	0.11
(1,3213)	1:A:54:ILE:HG13	1:A:30:LYS:HG3	1	0.11
(1,3213)	1:A:36:LEU:HD22	1:A:54:ILE:HG13	1	0.11
(1,3213)	1:A:36:LEU:HD21	1:A:54:ILE:HG13	1	0.11
(1,3213)	1:A:36:LEU:HD23	1:A:54:ILE:HG13	1	0.11
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD12	1	0.11
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD11	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3213)	1:A:54:ILE:HG13	1:A:45:ILE:HD13	1	0.11
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD12	1	0.11
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD11	1	0.11
(1,3213)	1:A:91:LYS:HD2	1:A:45:ILE:HD13	1	0.11
(1,3213)	1:A:30:LYS:HG2	1:A:54:ILE:HG12	1	0.11
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD12	1	0.11
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD11	1	0.11
(1,3213)	1:A:54:ILE:HG12	1:A:45:ILE:HD13	1	0.11
(1,3142)	1:B:45:ILE:HG22	1:B:46:LYS:HB2	9	0.11
(1,3142)	1:B:45:ILE:HG21	1:B:46:LYS:HB2	9	0.11
(1,3142)	1:B:45:ILE:HG23	1:B:46:LYS:HB2	9	0.11
(1,3142)	1:B:53:VAL:HG22	1:B:46:LYS:HB2	9	0.11
(1,3142)	1:B:53:VAL:HG21	1:B:46:LYS:HB2	9	0.11
(1,3142)	1:B:53:VAL:HG23	1:B:46:LYS:HB2	9	0.11
(1,3142)	1:B:48:ILE:HG22	1:B:49:LYS:HB2	9	0.11
(1,3142)	1:B:48:ILE:HG22	1:B:49:LYS:HB3	9	0.11
(1,3142)	1:B:48:ILE:HG21	1:B:49:LYS:HB2	9	0.11
(1,3142)	1:B:48:ILE:HG21	1:B:49:LYS:HB3	9	0.11
(1,3142)	1:B:48:ILE:HG23	1:B:49:LYS:HB2	9	0.11
(1,3142)	1:B:48:ILE:HG23	1:B:49:LYS:HB3	9	0.11
(1,3142)	1:B:45:ILE:HG22	1:B:91:LYS:HB2	9	0.11
(1,3142)	1:B:45:ILE:HG21	1:B:91:LYS:HB2	9	0.11
(1,3142)	1:B:45:ILE:HG23	1:B:91:LYS:HB2	9	0.11
(1,3142)	1:B:80:ILE:HG22	1:B:91:LYS:HB2	9	0.11
(1,3142)	1:B:80:ILE:HG21	1:B:91:LYS:HB2	9	0.11
(1,3142)	1:B:80:ILE:HG23	1:B:91:LYS:HB2	9	0.11
(1,3141)	1:A:45:ILE:HG22	1:A:46:LYS:HB2	9	0.11
(1,3141)	1:A:45:ILE:HG21	1:A:46:LYS:HB2	9	0.11
(1,3141)	1:A:45:ILE:HG23	1:A:46:LYS:HB2	9	0.11
(1,3141)	1:A:53:VAL:HG22	1:A:46:LYS:HB2	9	0.11
(1,3141)	1:A:53:VAL:HG21	1:A:46:LYS:HB2	9	0.11
(1,3141)	1:A:53:VAL:HG23	1:A:46:LYS:HB2	9	0.11
(1,3141)	1:A:48:ILE:HG22	1:A:49:LYS:HB2	9	0.11
(1,3141)	1:A:48:ILE:HG22	1:A:49:LYS:HB3	9	0.11
(1,3141)	1:A:48:ILE:HG21	1:A:49:LYS:HB2	9	0.11
(1,3141)	1:A:48:ILE:HG21	1:A:49:LYS:HB3	9	0.11
(1,3141)	1:A:48:ILE:HG23	1:A:49:LYS:HB2	9	0.11
(1,3141)	1:A:48:ILE:HG23	1:A:49:LYS:HB3	9	0.11
(1,3141)	1:A:45:ILE:HG22	1:A:91:LYS:HB2	9	0.11
(1,3141)	1:A:45:ILE:HG21	1:A:91:LYS:HB2	9	0.11
(1,3141)	1:A:45:ILE:HG23	1:A:91:LYS:HB2	9	0.11
(1,3141)	1:A:80:ILE:HG22	1:A:91:LYS:HB2	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3141)	1:A:80:ILE:HG21	1:A:91:LYS:HB2	9	0.11
(1,3141)	1:A:80:ILE:HG23	1:A:91:LYS:HB2	9	0.11
(1,3086)	1:B:11:ILE:HB	1:B:12:VAL:HG22	9	0.11
(1,3086)	1:B:11:ILE:HB	1:B:12:VAL:HG21	9	0.11
(1,3086)	1:B:11:ILE:HB	1:B:12:VAL:HG23	9	0.11
(1,3086)	1:B:11:ILE:HB	1:A:82:LEU:HD12	9	0.11
(1,3086)	1:B:11:ILE:HB	1:A:82:LEU:HD11	9	0.11
(1,3086)	1:B:11:ILE:HB	1:A:82:LEU:HD13	9	0.11
(1,3085)	1:A:11:ILE:HB	1:A:12:VAL:HG22	9	0.11
(1,3085)	1:A:11:ILE:HB	1:A:12:VAL:HG21	9	0.11
(1,3085)	1:A:11:ILE:HB	1:A:12:VAL:HG23	9	0.11
(1,3085)	1:A:11:ILE:HB	1:B:82:LEU:HD12	9	0.11
(1,3085)	1:A:11:ILE:HB	1:B:82:LEU:HD11	9	0.11
(1,3085)	1:A:11:ILE:HB	1:B:82:LEU:HD13	9	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD22	3	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD21	3	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD23	3	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD12	3	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD11	3	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD13	3	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD22	3	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD21	3	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD23	3	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD22	3	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD21	3	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD23	3	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD12	3	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD11	3	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD13	3	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD12	3	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD11	3	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD13	3	0.11
(1,2994)	1:B:49:LYS:HB2	1:B:48:ILE:HG13	3	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:48:ILE:HG13	3	0.11
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG12	3	0.11
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG11	3	0.11
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG13	3	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG12	3	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG11	3	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG13	3	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD22	6	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD21	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD23	6	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD12	6	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD11	6	0.11
(1,2994)	1:B:32:GLU:HB3	1:B:33:LEU:HD13	6	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD22	6	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD21	6	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD23	6	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD22	6	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD21	6	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD23	6	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD12	6	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD11	6	0.11
(1,2994)	1:B:34:LYS:HB2	1:B:33:LEU:HD13	6	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD12	6	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD11	6	0.11
(1,2994)	1:B:34:LYS:HB3	1:B:33:LEU:HD13	6	0.11
(1,2994)	1:B:49:LYS:HB2	1:B:48:ILE:HG13	6	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:48:ILE:HG13	6	0.11
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG12	6	0.11
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG11	6	0.11
(1,2994)	1:B:49:LYS:HB2	1:B:53:VAL:HG13	6	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG12	6	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG11	6	0.11
(1,2994)	1:B:49:LYS:HB3	1:B:53:VAL:HG13	6	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD22	3	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD21	3	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD23	3	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD12	3	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD11	3	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD13	3	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD22	3	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD21	3	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD23	3	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD22	3	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD21	3	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD23	3	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD12	3	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD11	3	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD13	3	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD12	3	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD11	3	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD13	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2993)	1:A:49:LYS:HB2	1:A:48:ILE:HG13	3	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:48:ILE:HG13	3	0.11
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG12	3	0.11
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG11	3	0.11
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG13	3	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG12	3	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG11	3	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG13	3	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD22	6	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD21	6	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD23	6	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD12	6	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD11	6	0.11
(1,2993)	1:A:32:GLU:HB3	1:A:33:LEU:HD13	6	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD22	6	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD21	6	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD23	6	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD22	6	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD21	6	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD23	6	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD12	6	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD11	6	0.11
(1,2993)	1:A:34:LYS:HB2	1:A:33:LEU:HD13	6	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD12	6	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD11	6	0.11
(1,2993)	1:A:34:LYS:HB3	1:A:33:LEU:HD13	6	0.11
(1,2993)	1:A:49:LYS:HB2	1:A:48:ILE:HG13	6	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:48:ILE:HG13	6	0.11
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG12	6	0.11
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG11	6	0.11
(1,2993)	1:A:49:LYS:HB2	1:A:53:VAL:HG13	6	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG12	6	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG11	6	0.11
(1,2993)	1:A:49:LYS:HB3	1:A:53:VAL:HG13	6	0.11
(1,2984)	1:B:41:LEU:HB2	1:B:48:ILE:HG13	4	0.11
(1,2984)	1:B:41:LEU:HB3	1:B:48:ILE:HG13	4	0.11
(1,2983)	1:A:41:LEU:HB2	1:A:48:ILE:HG13	4	0.11
(1,2983)	1:A:41:LEU:HB3	1:A:48:ILE:HG13	4	0.11
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD12	10	0.11
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD11	10	0.11
(1,2928)	1:B:30:LYS:HA	1:B:54:ILE:HD13	10	0.11
(1,2928)	1:B:30:LYS:HA	1:B:61:LEU:HB3	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD12	10	0.11
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD11	10	0.11
(1,2927)	1:A:30:LYS:HA	1:A:54:ILE:HD13	10	0.11
(1,2927)	1:A:30:LYS:HA	1:A:61:LEU:HB3	10	0.11
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	11	0.11
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	11	0.11
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	11	0.11
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	11	0.11
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	11	0.11
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	11	0.11
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	11	0.11
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	11	0.11
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	11	0.11
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	11	0.11
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	11	0.11
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	11	0.11
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	11	0.11
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	11	0.11
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	11	0.11
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG2	14	0.11
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG2	14	0.11
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG2	14	0.11
(1,2818)	1:B:53:VAL:HG12	1:B:46:LYS:HG3	14	0.11
(1,2818)	1:B:53:VAL:HG11	1:B:46:LYS:HG3	14	0.11
(1,2818)	1:B:53:VAL:HG13	1:B:46:LYS:HG3	14	0.11
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB2	14	0.11
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB1	14	0.11
(1,2818)	1:B:53:VAL:HG12	1:B:52:ALA:HB3	14	0.11
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB2	14	0.11
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB1	14	0.11
(1,2818)	1:B:53:VAL:HG11	1:B:52:ALA:HB3	14	0.11
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB2	14	0.11
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB1	14	0.11
(1,2818)	1:B:53:VAL:HG13	1:B:52:ALA:HB3	14	0.11
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG2	11	0.11
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG2	11	0.11
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG2	11	0.11
(1,2817)	1:A:53:VAL:HG12	1:A:46:LYS:HG3	11	0.11
(1,2817)	1:A:53:VAL:HG11	1:A:46:LYS:HG3	11	0.11
(1,2817)	1:A:53:VAL:HG13	1:A:46:LYS:HG3	11	0.11
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB2	11	0.11
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB1	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:A:53:VAL:HG12	1:A:52:ALA:HB3	11	0.11
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB2	11	0.11
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB1	11	0.11
(1,2817)	1:A:53:VAL:HG11	1:A:52:ALA:HB3	11	0.11
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB2	11	0.11
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB1	11	0.11
(1,2817)	1:A:53:VAL:HG13	1:A:52:ALA:HB3	11	0.11
(1,2698)	1:B:45:ILE:HB	1:B:48:ILE:HA	8	0.11
(1,2698)	1:B:49:LYS:HD2	1:B:48:ILE:HA	8	0.11
(1,2698)	1:B:49:LYS:HD3	1:B:48:ILE:HA	8	0.11
(1,2698)	1:B:45:ILE:HB	1:B:48:ILE:HA	11	0.11
(1,2698)	1:B:49:LYS:HD2	1:B:48:ILE:HA	11	0.11
(1,2698)	1:B:49:LYS:HD3	1:B:48:ILE:HA	11	0.11
(1,2697)	1:A:45:ILE:HB	1:A:48:ILE:HA	8	0.11
(1,2697)	1:A:49:LYS:HD2	1:A:48:ILE:HA	8	0.11
(1,2697)	1:A:49:LYS:HD3	1:A:48:ILE:HA	8	0.11
(1,2697)	1:A:45:ILE:HB	1:A:48:ILE:HA	11	0.11
(1,2697)	1:A:49:LYS:HD2	1:A:48:ILE:HA	11	0.11
(1,2697)	1:A:49:LYS:HD3	1:A:48:ILE:HA	11	0.11
(1,2696)	1:B:57:ILE:HA	1:B:45:ILE:HB	9	0.11
(1,2696)	1:B:61:LEU:HB2	1:B:57:ILE:HA	9	0.11
(1,2696)	1:B:57:ILE:HA	1:B:91:LYS:HD3	9	0.11
(1,2695)	1:A:57:ILE:HA	1:A:45:ILE:HB	9	0.11
(1,2695)	1:A:61:LEU:HB2	1:A:57:ILE:HA	9	0.11
(1,2695)	1:A:57:ILE:HA	1:A:91:LYS:HD3	9	0.11
(1,2695)	1:A:57:ILE:HA	1:A:45:ILE:HB	13	0.11
(1,2695)	1:A:61:LEU:HB2	1:A:57:ILE:HA	13	0.11
(1,2695)	1:A:57:ILE:HA	1:A:91:LYS:HD3	13	0.11
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	5	0.11
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	5	0.11
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	5	0.11
(1,2679)	1:A:46:LYS:HB2	1:A:47:ASN:HB3	6	0.11
(1,2679)	1:A:49:LYS:HB2	1:A:47:ASN:HB3	6	0.11
(1,2679)	1:A:49:LYS:HB3	1:A:47:ASN:HB3	6	0.11
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB2	2	0.11
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB3	2	0.11
(1,2670)	1:B:54:ILE:HB	1:B:57:ILE:HB	2	0.11
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB2	20	0.11
(1,2670)	1:B:54:ILE:HB	1:B:51:LYS:HB3	20	0.11
(1,2670)	1:B:54:ILE:HB	1:B:57:ILE:HB	20	0.11
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB2	2	0.11
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2669)	1:A:54:ILE:HB	1:A:57:ILE:HB	2	0.11
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB2	5	0.11
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB3	5	0.11
(1,2669)	1:A:54:ILE:HB	1:A:57:ILE:HB	5	0.11
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB2	7	0.11
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB3	7	0.11
(1,2669)	1:A:54:ILE:HB	1:A:57:ILE:HB	7	0.11
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB2	20	0.11
(1,2669)	1:A:54:ILE:HB	1:A:51:LYS:HB3	20	0.11
(1,2669)	1:A:54:ILE:HB	1:A:57:ILE:HB	20	0.11
(1,2662)	1:B:30:LYS:HG3	1:B:34:LYS:HB2	7	0.11
(1,2662)	1:B:30:LYS:HG3	1:B:34:LYS:HB3	7	0.11
(1,2662)	1:B:30:LYS:HG3	1:B:57:ILE:HB	7	0.11
(1,2661)	1:A:30:LYS:HG3	1:A:34:LYS:HB2	7	0.11
(1,2661)	1:A:30:LYS:HG3	1:A:34:LYS:HB3	7	0.11
(1,2661)	1:A:30:LYS:HG3	1:A:57:ILE:HB	7	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	11	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	11	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	11	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	11	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	11	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	11	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	11	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	11	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	11	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	11	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	14	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	14	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	14	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	14	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	14	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	14	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	14	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	14	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	14	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	14	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB2	17	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:34:LYS:HB3	17	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB2	17	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:34:LYS:HB3	17	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB2	17	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:51:LYS:HB3	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB2	17	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:51:LYS:HB3	17	0.11
(1,2654)	1:B:59:GLN:HB2	1:B:57:ILE:HB	17	0.11
(1,2654)	1:B:59:GLN:HB3	1:B:57:ILE:HB	17	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	11	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	11	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	11	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	11	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	11	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	11	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	11	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	11	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	11	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	11	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	14	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	14	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	14	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	14	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	14	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	14	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	14	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	14	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	14	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	14	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB2	17	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:34:LYS:HB3	17	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB2	17	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:34:LYS:HB3	17	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB2	17	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:51:LYS:HB3	17	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB2	17	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:51:LYS:HB3	17	0.11
(1,2653)	1:A:59:GLN:HB2	1:A:57:ILE:HB	17	0.11
(1,2653)	1:A:59:GLN:HB3	1:A:57:ILE:HB	17	0.11
(1,2650)	1:B:34:LYS:HB2	1:B:32:GLU:HB3	9	0.11
(1,2650)	1:B:34:LYS:HB3	1:B:32:GLU:HB3	9	0.11
(1,2650)	1:B:32:GLU:HB3	1:B:37:LEU:HG	9	0.11
(1,2650)	1:B:68:GLN:HB2	1:B:32:GLU:HB3	9	0.11
(1,2650)	1:B:68:GLN:HB3	1:B:32:GLU:HB3	9	0.11
(1,2649)	1:A:34:LYS:HB2	1:A:32:GLU:HB3	9	0.11
(1,2649)	1:A:34:LYS:HB3	1:A:32:GLU:HB3	9	0.11
(1,2649)	1:A:32:GLU:HB3	1:A:37:LEU:HG	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2649)	1:A:68:GLN:HB2	1:A:32:GLU:HB3	9	0.11
(1,2649)	1:A:68:GLN:HB3	1:A:32:GLU:HB3	9	0.11
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB2	17	0.11
(1,2644)	1:B:50:ASP:HB3	1:B:49:LYS:HB3	17	0.11
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB2	17	0.11
(1,2644)	1:B:50:ASP:HB3	1:B:51:LYS:HB3	17	0.11
(1,2612)	1:B:51:LYS:HB2	1:B:50:ASP:HB2	6	0.11
(1,2612)	1:B:51:LYS:HB3	1:B:50:ASP:HB2	6	0.11
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE2	6	0.11
(1,2612)	1:B:83:LYS:HB2	1:B:83:LYS:HE3	6	0.11
(1,2612)	1:B:91:LYS:HE2	1:B:80:ILE:HB	6	0.11
(1,2612)	1:B:91:LYS:HE3	1:B:80:ILE:HB	6	0.11
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE2	6	0.11
(1,2612)	1:B:83:LYS:HB2	1:B:91:LYS:HE3	6	0.11
(1,2612)	1:B:91:LYS:HE2	1:B:83:LYS:HB3	6	0.11
(1,2612)	1:B:91:LYS:HE3	1:B:83:LYS:HB3	6	0.11
(1,2611)	1:A:51:LYS:HB2	1:A:50:ASP:HB2	6	0.11
(1,2611)	1:A:51:LYS:HB3	1:A:50:ASP:HB2	6	0.11
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE2	6	0.11
(1,2611)	1:A:83:LYS:HB2	1:A:83:LYS:HE3	6	0.11
(1,2611)	1:A:91:LYS:HE2	1:A:80:ILE:HB	6	0.11
(1,2611)	1:A:91:LYS:HE3	1:A:80:ILE:HB	6	0.11
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE2	6	0.11
(1,2611)	1:A:83:LYS:HB2	1:A:91:LYS:HE3	6	0.11
(1,2611)	1:A:91:LYS:HE2	1:A:83:LYS:HB3	6	0.11
(1,2611)	1:A:91:LYS:HE3	1:A:83:LYS:HB3	6	0.11
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB2	6	0.11
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB2	6	0.11
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB2	6	0.11
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB3	6	0.11
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB3	6	0.11
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB3	6	0.11
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB2	6	0.11
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB3	6	0.11
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB2	6	0.11
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB3	6	0.11
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB2	6	0.11
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB3	6	0.11
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB2	12	0.11
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB2	12	0.11
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB2	12	0.11
(1,2592)	1:B:89:THR:HG21	1:B:83:LYS:HB3	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2592)	1:B:89:THR:HG22	1:B:83:LYS:HB3	12	0.11
(1,2592)	1:B:89:THR:HG23	1:B:83:LYS:HB3	12	0.11
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB2	12	0.11
(1,2592)	1:B:89:THR:HG21	1:A:9:GLU:HB3	12	0.11
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB2	12	0.11
(1,2592)	1:B:89:THR:HG22	1:A:9:GLU:HB3	12	0.11
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB2	12	0.11
(1,2592)	1:B:89:THR:HG23	1:A:9:GLU:HB3	12	0.11
(1,2591)	1:A:89:THR:HG21	1:A:83:LYS:HB2	12	0.11
(1,2591)	1:A:89:THR:HG22	1:A:83:LYS:HB2	12	0.11
(1,2591)	1:A:89:THR:HG23	1:A:83:LYS:HB2	12	0.11
(1,2591)	1:A:89:THR:HG21	1:A:83:LYS:HB3	12	0.11
(1,2591)	1:A:89:THR:HG22	1:A:83:LYS:HB3	12	0.11
(1,2591)	1:A:89:THR:HG23	1:A:83:LYS:HB3	12	0.11
(1,2591)	1:A:89:THR:HG21	1:B:9:GLU:HB2	12	0.11
(1,2591)	1:A:89:THR:HG21	1:B:9:GLU:HB3	12	0.11
(1,2591)	1:A:89:THR:HG22	1:B:9:GLU:HB2	12	0.11
(1,2591)	1:A:89:THR:HG22	1:B:9:GLU:HB3	12	0.11
(1,2591)	1:A:89:THR:HG23	1:B:9:GLU:HB2	12	0.11
(1,2591)	1:A:89:THR:HG23	1:B:9:GLU:HB3	12	0.11
(1,2554)	1:B:79:ALA:HA	1:B:78:VAL:HB	3	0.11
(1,2554)	1:B:83:LYS:HB3	1:B:79:ALA:HA	3	0.11
(1,2554)	1:B:79:ALA:HA	1:A:78:VAL:HB	3	0.11
(1,2553)	1:A:79:ALA:HA	1:A:78:VAL:HB	3	0.11
(1,2553)	1:A:83:LYS:HB3	1:A:79:ALA:HA	3	0.11
(1,2553)	1:A:79:ALA:HA	1:B:78:VAL:HB	3	0.11
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	15	0.11
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	15	0.11
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	15	0.11
(1,2484)	1:B:54:ILE:HB	1:B:56:GLU:HB2	16	0.11
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB2	16	0.11
(1,2484)	1:B:54:ILE:HB	1:B:59:GLN:HB3	16	0.11
(1,2483)	1:A:54:ILE:HB	1:A:56:GLU:HB2	15	0.11
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB2	15	0.11
(1,2483)	1:A:54:ILE:HB	1:A:59:GLN:HB3	15	0.11
(1,2478)	1:B:55:ASP:HB2	1:B:56:GLU:HB2	14	0.11
(1,2478)	1:B:55:ASP:HB3	1:B:56:GLU:HB2	14	0.11
(1,2478)	1:B:55:ASP:HB3	1:B:59:GLN:HB2	14	0.11
(1,2478)	1:B:55:ASP:HB3	1:B:59:GLN:HB3	14	0.11
(1,2477)	1:A:55:ASP:HB2	1:A:56:GLU:HB2	14	0.11
(1,2477)	1:A:55:ASP:HB3	1:A:56:GLU:HB2	14	0.11
(1,2477)	1:A:55:ASP:HB3	1:A:59:GLN:HB2	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2477)	1:A:55:ASP:HB3	1:A:59:GLN:HB3	14	0.11
(1,2440)	1:B:37:LEU:HD12	1:B:35:GLN:HB3	11	0.11
(1,2440)	1:B:37:LEU:HD11	1:B:35:GLN:HB3	11	0.11
(1,2440)	1:B:37:LEU:HD13	1:B:35:GLN:HB3	11	0.11
(1,2440)	1:B:37:LEU:HD12	1:B:35:GLN:HG2	11	0.11
(1,2440)	1:B:37:LEU:HD11	1:B:35:GLN:HG2	11	0.11
(1,2440)	1:B:37:LEU:HD13	1:B:35:GLN:HG2	11	0.11
(1,2440)	1:B:37:LEU:HD12	1:B:35:GLN:HG3	11	0.11
(1,2440)	1:B:37:LEU:HD11	1:B:35:GLN:HG3	11	0.11
(1,2440)	1:B:37:LEU:HD13	1:B:35:GLN:HG3	11	0.11
(1,2440)	1:B:37:LEU:HD12	1:B:40:GLU:HG2	11	0.11
(1,2440)	1:B:37:LEU:HD12	1:B:40:GLU:HG3	11	0.11
(1,2440)	1:B:37:LEU:HD11	1:B:40:GLU:HG2	11	0.11
(1,2440)	1:B:37:LEU:HD11	1:B:40:GLU:HG3	11	0.11
(1,2440)	1:B:37:LEU:HD13	1:B:40:GLU:HG2	11	0.11
(1,2440)	1:B:37:LEU:HD13	1:B:40:GLU:HG3	11	0.11
(1,2439)	1:A:37:LEU:HD12	1:A:35:GLN:HB3	11	0.11
(1,2439)	1:A:37:LEU:HD11	1:A:35:GLN:HB3	11	0.11
(1,2439)	1:A:37:LEU:HD13	1:A:35:GLN:HB3	11	0.11
(1,2439)	1:A:37:LEU:HD12	1:A:35:GLN:HG2	11	0.11
(1,2439)	1:A:37:LEU:HD11	1:A:35:GLN:HG2	11	0.11
(1,2439)	1:A:37:LEU:HD13	1:A:35:GLN:HG2	11	0.11
(1,2439)	1:A:37:LEU:HD12	1:A:35:GLN:HG3	11	0.11
(1,2439)	1:A:37:LEU:HD11	1:A:35:GLN:HG3	11	0.11
(1,2439)	1:A:37:LEU:HD13	1:A:35:GLN:HG3	11	0.11
(1,2439)	1:A:37:LEU:HD12	1:A:40:GLU:HG2	11	0.11
(1,2439)	1:A:37:LEU:HD12	1:A:40:GLU:HG3	11	0.11
(1,2439)	1:A:37:LEU:HD11	1:A:40:GLU:HG2	11	0.11
(1,2439)	1:A:37:LEU:HD11	1:A:40:GLU:HG3	11	0.11
(1,2439)	1:A:37:LEU:HD13	1:A:40:GLU:HG2	11	0.11
(1,2439)	1:A:37:LEU:HD13	1:A:40:GLU:HG3	11	0.11
(1,242)	1:B:53:VAL:HG22	1:B:48:ILE:HA	18	0.11
(1,242)	1:B:53:VAL:HG21	1:B:48:ILE:HA	18	0.11
(1,242)	1:B:53:VAL:HG23	1:B:48:ILE:HA	18	0.11
(1,241)	1:A:53:VAL:HG22	1:A:48:ILE:HA	18	0.11
(1,241)	1:A:53:VAL:HG21	1:A:48:ILE:HA	18	0.11
(1,241)	1:A:53:VAL:HG23	1:A:48:ILE:HA	18	0.11
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG2	3	0.11
(1,2386)	1:B:8:LEU:HB2	1:B:9:GLU:HG3	3	0.11
(1,2386)	1:B:8:LEU:HB2	1:B:12:VAL:HB	3	0.11
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG2	3	0.11
(1,2386)	1:B:8:LEU:HB3	1:B:9:GLU:HG3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2386)	1:B:8:LEU:HB3	1:B:12:VAL:HB	3	0.11
(1,2352)	1:B:36:LEU:HB2	1:B:40:GLU:HB2	17	0.11
(1,2352)	1:B:36:LEU:HB3	1:B:40:GLU:HB2	17	0.11
(1,2351)	1:A:36:LEU:HB2	1:A:40:GLU:HB2	17	0.11
(1,2351)	1:A:36:LEU:HB3	1:A:40:GLU:HB2	17	0.11
(1,2330)	1:B:39:LYS:HE3	1:B:35:GLN:HB2	16	0.11
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE2	16	0.11
(1,2330)	1:B:30:LYS:HE3	1:B:51:LYS:HE3	16	0.11
(1,2329)	1:A:39:LYS:HE3	1:A:35:GLN:HB2	16	0.11
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE2	16	0.11
(1,2329)	1:A:30:LYS:HE3	1:A:51:LYS:HE3	16	0.11
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB2	16	0.11
(1,2313)	1:A:54:ILE:HB	1:A:55:ASP:HB3	16	0.11
(1,2299)	1:A:53:VAL:HA	1:A:50:ASP:HB3	1	0.11
(1,2299)	1:A:53:VAL:HA	1:A:55:ASP:HB2	1	0.11
(1,2299)	1:A:53:VAL:HA	1:A:50:ASP:HB3	12	0.11
(1,2299)	1:A:53:VAL:HA	1:A:55:ASP:HB2	12	0.11
(1,2296)	1:B:59:GLN:HG2	1:B:55:ASP:HB3	12	0.11
(1,2296)	1:B:59:GLN:HG3	1:B:55:ASP:HB3	12	0.11
(1,2295)	1:A:59:GLN:HG2	1:A:55:ASP:HB3	7	0.11
(1,2295)	1:A:59:GLN:HG3	1:A:55:ASP:HB3	7	0.11
(1,2278)	1:B:42:ALA:HB2	1:B:43:ASN:HB3	18	0.11
(1,2278)	1:B:42:ALA:HB1	1:B:43:ASN:HB3	18	0.11
(1,2278)	1:B:42:ALA:HB3	1:B:43:ASN:HB3	18	0.11
(1,2278)	1:B:63:ALA:HB2	1:B:64:ASN:HB3	18	0.11
(1,2278)	1:B:63:ALA:HB1	1:B:64:ASN:HB3	18	0.11
(1,2278)	1:B:63:ALA:HB3	1:B:64:ASN:HB3	18	0.11
(1,2277)	1:A:42:ALA:HB2	1:A:43:ASN:HB3	18	0.11
(1,2277)	1:A:42:ALA:HB1	1:A:43:ASN:HB3	18	0.11
(1,2277)	1:A:42:ALA:HB3	1:A:43:ASN:HB3	18	0.11
(1,2277)	1:A:63:ALA:HB2	1:A:64:ASN:HB3	18	0.11
(1,2277)	1:A:63:ALA:HB1	1:A:64:ASN:HB3	18	0.11
(1,2277)	1:A:63:ALA:HB3	1:A:64:ASN:HB3	18	0.11
(1,2262)	1:B:72:GLN:HG2	1:A:83:LYS:HE2	15	0.11
(1,2262)	1:B:72:GLN:HG3	1:A:83:LYS:HE2	15	0.11
(1,2262)	1:B:72:GLN:HG2	1:A:83:LYS:HE3	15	0.11
(1,2262)	1:B:72:GLN:HG3	1:A:83:LYS:HE3	15	0.11
(1,2260)	1:B:72:GLN:HA	1:B:75:ILE:HA	12	0.11
(1,2260)	1:B:72:GLN:HA	1:A:83:LYS:HE2	12	0.11
(1,2259)	1:A:72:GLN:HA	1:A:75:ILE:HA	12	0.11
(1,2259)	1:A:72:GLN:HA	1:B:83:LYS:HE2	12	0.11
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	9	0.11
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	9	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	9	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	9	0.11
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	9	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	9	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	9	0.11
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	9	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	9	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	9	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	9	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	9	0.11
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	9	0.11
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	9	0.11
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	11	0.11
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	11	0.11
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	11	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	11	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	11	0.11
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	11	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	11	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	11	0.11
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	11	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	11	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	11	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	11	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	11	0.11
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	11	0.11
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	11	0.11
(1,2232)	1:B:8:LEU:HD12	1:A:78:VAL:HA	17	0.11
(1,2232)	1:B:8:LEU:HD11	1:A:78:VAL:HA	17	0.11
(1,2232)	1:B:8:LEU:HD13	1:A:78:VAL:HA	17	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:74:PHE:HB2	17	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:74:PHE:HB2	17	0.11
(1,2232)	1:B:61:LEU:HD23	1:B:74:PHE:HB2	17	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:78:VAL:HA	17	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:78:VAL:HA	17	0.11
(1,2232)	1:B:61:LEU:HD23	1:B:78:VAL:HA	17	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE2	17	0.11
(1,2232)	1:B:61:LEU:HD22	1:B:91:LYS:HE3	17	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE2	17	0.11
(1,2232)	1:B:61:LEU:HD21	1:B:91:LYS:HE3	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE2	17	0.11
(1,2232)	1:B:61:LEU:HD23	1:B:91:LYS:HE3	17	0.11
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	9	0.11
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	9	0.11
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	9	0.11
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	9	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	9	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	9	0.11
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	9	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	9	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	9	0.11
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	9	0.11
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	9	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	9	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	9	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	9	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	9	0.11
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	11	0.11
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	11	0.11
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	11	0.11
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	11	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	11	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	11	0.11
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	11	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	11	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	11	0.11
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	11	0.11
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	11	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	11	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	11	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	11	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	11	0.11
(1,2231)	1:A:8:LEU:HD12	1:B:78:VAL:HA	17	0.11
(1,2231)	1:A:8:LEU:HD11	1:B:78:VAL:HA	17	0.11
(1,2231)	1:A:8:LEU:HD13	1:B:78:VAL:HA	17	0.11
(1,2231)	1:A:61:LEU:HD22	1:A:74:PHE:HB2	17	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:74:PHE:HB2	17	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:74:PHE:HB2	17	0.11
(1,2231)	1:A:61:LEU:HD22	1:A:78:VAL:HA	17	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:78:VAL:HA	17	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:78:VAL:HA	17	0.11
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:A:61:LEU:HD22	1:A:91:LYS:HE3	17	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE2	17	0.11
(1,2231)	1:A:61:LEU:HD21	1:A:91:LYS:HE3	17	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE2	17	0.11
(1,2231)	1:A:61:LEU:HD23	1:A:91:LYS:HE3	17	0.11
(1,2100)	1:B:8:LEU:HG	1:B:9:GLU:HA	1	0.11
(1,2100)	1:B:8:LEU:HG	1:B:10:GLY:HA2	1	0.11
(1,2100)	1:B:8:LEU:HG	1:A:79:ALA:HA	1	0.11
(1,2099)	1:A:8:LEU:HG	1:A:9:GLU:HA	1	0.11
(1,2099)	1:A:8:LEU:HG	1:A:10:GLY:HA2	1	0.11
(1,2099)	1:A:8:LEU:HG	1:B:79:ALA:HA	1	0.11
(1,2086)	1:B:54:ILE:HA	1:B:34:LYS:HA	17	0.11
(1,2086)	1:B:54:ILE:HA	1:B:53:VAL:HA	17	0.11
(1,2086)	1:B:54:ILE:HA	1:B:57:ILE:HA	17	0.11
(1,2085)	1:A:54:ILE:HA	1:A:34:LYS:HA	17	0.11
(1,2085)	1:A:54:ILE:HA	1:A:53:VAL:HA	17	0.11
(1,2085)	1:A:54:ILE:HA	1:A:57:ILE:HA	17	0.11
(1,2052)	1:B:8:LEU:HA	1:A:44:THR:HB	8	0.11
(1,2052)	1:B:8:LEU:HA	1:A:79:ALA:HA	8	0.11
(1,2052)	1:B:8:LEU:HA	1:A:81:ALA:HA	8	0.11
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	7	0.11
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	7	0.11
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	7	0.11
(1,2051)	1:A:8:LEU:HA	1:B:44:THR:HB	15	0.11
(1,2051)	1:A:8:LEU:HA	1:B:79:ALA:HA	15	0.11
(1,2051)	1:A:8:LEU:HA	1:B:81:ALA:HA	15	0.11
(1,2026)	1:B:82:LEU:HD12	1:B:82:LEU:HA	1	0.11
(1,2026)	1:B:82:LEU:HD11	1:B:82:LEU:HA	1	0.11
(1,2026)	1:B:82:LEU:HD13	1:B:82:LEU:HA	1	0.11
(1,2026)	1:B:82:LEU:HD12	1:A:8:LEU:HA	1	0.11
(1,2026)	1:B:82:LEU:HD11	1:A:8:LEU:HA	1	0.11
(1,2026)	1:B:82:LEU:HD13	1:A:8:LEU:HA	1	0.11
(1,2026)	1:B:82:LEU:HD12	1:B:82:LEU:HA	10	0.11
(1,2026)	1:B:82:LEU:HD11	1:B:82:LEU:HA	10	0.11
(1,2026)	1:B:82:LEU:HD13	1:B:82:LEU:HA	10	0.11
(1,2026)	1:B:82:LEU:HD12	1:A:8:LEU:HA	10	0.11
(1,2026)	1:B:82:LEU:HD11	1:A:8:LEU:HA	10	0.11
(1,2026)	1:B:82:LEU:HD13	1:A:8:LEU:HA	10	0.11
(1,2025)	1:A:82:LEU:HD12	1:A:82:LEU:HA	1	0.11
(1,2025)	1:A:82:LEU:HD11	1:A:82:LEU:HA	1	0.11
(1,2025)	1:A:82:LEU:HD13	1:A:82:LEU:HA	1	0.11
(1,2025)	1:A:82:LEU:HD12	1:B:8:LEU:HA	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2025)	1:A:82:LEU:HD11	1:B:8:LEU:HA	1	0.11
(1,2025)	1:A:82:LEU:HD13	1:B:8:LEU:HA	1	0.11
(1,2025)	1:A:82:LEU:HD12	1:A:82:LEU:HA	10	0.11
(1,2025)	1:A:82:LEU:HD11	1:A:82:LEU:HA	10	0.11
(1,2025)	1:A:82:LEU:HD13	1:A:82:LEU:HA	10	0.11
(1,2025)	1:A:82:LEU:HD12	1:B:8:LEU:HA	10	0.11
(1,2025)	1:A:82:LEU:HD11	1:B:8:LEU:HA	10	0.11
(1,2025)	1:A:82:LEU:HD13	1:B:8:LEU:HA	10	0.11
(1,1988)	1:B:30:LYS:HD2	1:B:29:SER:HB3	11	0.11
(1,1988)	1:B:30:LYS:HD2	1:B:32:GLU:HA	11	0.11
(1,1988)	1:B:30:LYS:HD2	1:B:33:LEU:HA	11	0.11
(1,1988)	1:B:30:LYS:HD3	1:B:29:SER:HB3	11	0.11
(1,1988)	1:B:30:LYS:HD3	1:B:33:LEU:HA	11	0.11
(1,1988)	1:B:30:LYS:HD3	1:B:56:GLU:HA	11	0.11
(1,1987)	1:A:30:LYS:HD2	1:A:29:SER:HB3	11	0.11
(1,1987)	1:A:30:LYS:HD2	1:A:32:GLU:HA	11	0.11
(1,1987)	1:A:30:LYS:HD2	1:A:33:LEU:HA	11	0.11
(1,1987)	1:A:30:LYS:HD3	1:A:29:SER:HB3	11	0.11
(1,1987)	1:A:30:LYS:HD3	1:A:33:LEU:HA	11	0.11
(1,1987)	1:A:30:LYS:HD3	1:A:56:GLU:HA	11	0.11
(1,1976)	1:B:54:ILE:HB	1:B:38:THR:HA	11	0.11
(1,1976)	1:B:54:ILE:HB	1:B:49:LYS:HA	11	0.11
(1,1976)	1:B:54:ILE:HB	1:B:56:GLU:HA	11	0.11
(1,1975)	1:A:54:ILE:HB	1:A:38:THR:HA	11	0.11
(1,1975)	1:A:54:ILE:HB	1:A:49:LYS:HA	11	0.11
(1,1975)	1:A:54:ILE:HB	1:A:56:GLU:HA	11	0.11
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	14	0.11
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	14	0.11
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	14	0.11
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	14	0.11
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	14	0.11
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	14	0.11
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	15	0.11
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	15	0.11
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	15	0.11
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	15	0.11
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	15	0.11
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	15	0.11
(1,1966)	1:B:37:LEU:HD12	1:B:33:LEU:HA	17	0.11
(1,1966)	1:B:37:LEU:HD11	1:B:33:LEU:HA	17	0.11
(1,1966)	1:B:37:LEU:HD13	1:B:33:LEU:HA	17	0.11
(1,1966)	1:B:37:LEU:HD12	1:B:38:THR:HA	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:B:37:LEU:HD11	1:B:38:THR:HA	17	0.11
(1,1966)	1:B:37:LEU:HD13	1:B:38:THR:HA	17	0.11
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	14	0.11
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	14	0.11
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	14	0.11
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	14	0.11
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	14	0.11
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	14	0.11
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	15	0.11
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	15	0.11
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	15	0.11
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	15	0.11
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	15	0.11
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	15	0.11
(1,1965)	1:A:37:LEU:HD12	1:A:33:LEU:HA	17	0.11
(1,1965)	1:A:37:LEU:HD11	1:A:33:LEU:HA	17	0.11
(1,1965)	1:A:37:LEU:HD13	1:A:33:LEU:HA	17	0.11
(1,1965)	1:A:37:LEU:HD12	1:A:38:THR:HA	17	0.11
(1,1965)	1:A:37:LEU:HD11	1:A:38:THR:HA	17	0.11
(1,1965)	1:A:37:LEU:HD13	1:A:38:THR:HA	17	0.11
(1,1936)	1:B:54:ILE:HG12	1:B:49:LYS:HA	7	0.11
(1,1936)	1:B:83:LYS:HD2	1:B:84:ALA:HA	7	0.11
(1,1936)	1:B:83:LYS:HD3	1:B:84:ALA:HA	7	0.11
(1,1936)	1:B:83:LYS:HD2	1:B:87:TYR:HA	7	0.11
(1,1936)	1:B:83:LYS:HD3	1:B:87:TYR:HA	7	0.11
(1,1936)	1:B:83:LYS:HD2	1:B:91:LYS:HA	7	0.11
(1,1936)	1:B:83:LYS:HD3	1:B:91:LYS:HA	7	0.11
(1,1936)	1:B:91:LYS:HD2	1:B:84:ALA:HA	7	0.11
(1,1936)	1:B:91:LYS:HD2	1:B:91:LYS:HA	7	0.11
(1,1935)	1:A:54:ILE:HG12	1:A:49:LYS:HA	7	0.11
(1,1935)	1:A:83:LYS:HD2	1:A:84:ALA:HA	7	0.11
(1,1935)	1:A:83:LYS:HD3	1:A:84:ALA:HA	7	0.11
(1,1935)	1:A:83:LYS:HD2	1:A:87:TYR:HA	7	0.11
(1,1935)	1:A:83:LYS:HD3	1:A:87:TYR:HA	7	0.11
(1,1935)	1:A:83:LYS:HD2	1:A:91:LYS:HA	7	0.11
(1,1935)	1:A:83:LYS:HD3	1:A:91:LYS:HA	7	0.11
(1,1935)	1:A:91:LYS:HD2	1:A:84:ALA:HA	7	0.11
(1,1935)	1:A:91:LYS:HD2	1:A:91:LYS:HA	7	0.11
(1,192)	1:B:39:LYS:HD2	1:B:35:GLN:HA	7	0.11
(1,192)	1:B:39:LYS:HD3	1:B:35:GLN:HA	7	0.11
(1,1892)	1:B:46:LYS:HG2	1:B:90:HIS:HA	19	0.11
(1,1892)	1:B:46:LYS:HG3	1:B:90:HIS:HA	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1892)	1:B:46:LYS:HG2	1:B:90:HIS:HA	20	0.11
(1,1892)	1:B:46:LYS:HG3	1:B:90:HIS:HA	20	0.11
(1,1891)	1:A:46:LYS:HG2	1:A:90:HIS:HA	20	0.11
(1,1891)	1:A:46:LYS:HG3	1:A:90:HIS:HA	20	0.11
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	1	0.11
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	1	0.11
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	1	0.11
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	1	0.11
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	1	0.11
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	1	0.11
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	1	0.11
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	1	0.11
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	1	0.11
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	13	0.11
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	13	0.11
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	13	0.11
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	13	0.11
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	13	0.11
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	13	0.11
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	13	0.11
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	13	0.11
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	13	0.11
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD12	15	0.11
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD11	15	0.11
(1,1840)	1:B:62:ASP:H	1:B:80:ILE:HD13	15	0.11
(1,1840)	1:B:80:ILE:HD12	1:B:75:ILE:H	15	0.11
(1,1840)	1:B:80:ILE:HD11	1:B:75:ILE:H	15	0.11
(1,1840)	1:B:80:ILE:HD13	1:B:75:ILE:H	15	0.11
(1,1840)	1:B:80:ILE:HD12	1:A:75:ILE:H	15	0.11
(1,1840)	1:B:80:ILE:HD11	1:A:75:ILE:H	15	0.11
(1,1840)	1:B:80:ILE:HD13	1:A:75:ILE:H	15	0.11
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	1	0.11
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	1	0.11
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	1	0.11
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	1	0.11
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	1	0.11
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	1	0.11
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	1	0.11
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	1	0.11
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	1	0.11
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	13	0.11
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	13	0.11
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	13	0.11
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	13	0.11
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	13	0.11
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	13	0.11
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	13	0.11
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	13	0.11
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD12	15	0.11
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD11	15	0.11
(1,1839)	1:A:62:ASP:H	1:A:80:ILE:HD13	15	0.11
(1,1839)	1:A:80:ILE:HD12	1:A:75:ILE:H	15	0.11
(1,1839)	1:A:80:ILE:HD11	1:A:75:ILE:H	15	0.11
(1,1839)	1:A:80:ILE:HD13	1:A:75:ILE:H	15	0.11
(1,1839)	1:A:80:ILE:HD12	1:B:75:ILE:H	15	0.11
(1,1839)	1:A:80:ILE:HD11	1:B:75:ILE:H	15	0.11
(1,1839)	1:A:80:ILE:HD13	1:B:75:ILE:H	15	0.11
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	8	0.11
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	8	0.11
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	8	0.11
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	8	0.11
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	8	0.11
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	8	0.11
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	9	0.11
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	9	0.11
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	9	0.11
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	9	0.11
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	9	0.11
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	9	0.11
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	11	0.11
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	11	0.11
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	11	0.11
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	11	0.11
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	11	0.11
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	11	0.11
(1,1794)	1:B:51:LYS:HD2	1:B:56:GLU:H	14	0.11
(1,1794)	1:B:51:LYS:HD3	1:B:56:GLU:H	14	0.11
(1,1794)	1:B:49:LYS:HD2	1:B:38:THR:H	14	0.11
(1,1794)	1:B:49:LYS:HD3	1:B:38:THR:H	14	0.11
(1,1794)	1:B:49:LYS:HD2	1:B:50:ASP:H	14	0.11
(1,1794)	1:B:49:LYS:HD3	1:B:50:ASP:H	14	0.11
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	8	0.11
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	8	0.11
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	8	0.11
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	8	0.11
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	8	0.11
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	11	0.11
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	11	0.11
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	11	0.11
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	11	0.11
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	11	0.11
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	11	0.11
(1,1793)	1:A:51:LYS:HD2	1:A:56:GLU:H	14	0.11
(1,1793)	1:A:51:LYS:HD3	1:A:56:GLU:H	14	0.11
(1,1793)	1:A:49:LYS:HD2	1:A:38:THR:H	14	0.11
(1,1793)	1:A:49:LYS:HD3	1:A:38:THR:H	14	0.11
(1,1793)	1:A:49:LYS:HD2	1:A:50:ASP:H	14	0.11
(1,1793)	1:A:49:LYS:HD3	1:A:50:ASP:H	14	0.11
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	6	0.11
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	6	0.11
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	6	0.11
(1,1704)	1:B:8:LEU:HG	1:A:37:LEU:HB2	11	0.11
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG12	11	0.11
(1,1704)	1:B:8:LEU:HG	1:A:45:ILE:HG13	11	0.11
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	1	0.11
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	1	0.11
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	1	0.11
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	9	0.11
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	9	0.11
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	9	0.11
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	11	0.11
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	11	0.11
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	11	0.11
(1,1703)	1:A:8:LEU:HG	1:B:37:LEU:HB2	13	0.11
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG12	13	0.11
(1,1703)	1:A:8:LEU:HG	1:B:45:ILE:HG13	13	0.11
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB2	10	0.11
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB2	10	0.11
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB2	10	0.11
(1,1698)	1:B:37:LEU:HD22	1:A:8:LEU:HB3	10	0.11
(1,1698)	1:B:37:LEU:HD21	1:A:8:LEU:HB3	10	0.11
(1,1698)	1:B:37:LEU:HD23	1:A:8:LEU:HB3	10	0.11
(1,1698)	1:B:8:LEU:HG	1:A:11:ILE:HB	10	0.11
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:B:8:LEU:HG	1:A:40:GLU:HG3	10	0.11
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB2	8	0.11
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB2	8	0.11
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB2	8	0.11
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB3	8	0.11
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB3	8	0.11
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB3	8	0.11
(1,1697)	1:A:8:LEU:HG	1:B:11:ILE:HB	8	0.11
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG2	8	0.11
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG3	8	0.11
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB2	10	0.11
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB2	10	0.11
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB2	10	0.11
(1,1697)	1:A:37:LEU:HD22	1:B:8:LEU:HB3	10	0.11
(1,1697)	1:A:37:LEU:HD21	1:B:8:LEU:HB3	10	0.11
(1,1697)	1:A:37:LEU:HD23	1:B:8:LEU:HB3	10	0.11
(1,1697)	1:A:8:LEU:HG	1:B:11:ILE:HB	10	0.11
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG2	10	0.11
(1,1697)	1:A:8:LEU:HG	1:B:40:GLU:HG3	10	0.11
(1,1694)	1:B:75:ILE:HD12	1:A:83:LYS:HE2	8	0.11
(1,1694)	1:B:75:ILE:HD11	1:A:83:LYS:HE2	8	0.11
(1,1694)	1:B:75:ILE:HD13	1:A:83:LYS:HE2	8	0.11
(1,1694)	1:B:75:ILE:HD12	1:A:83:LYS:HE3	8	0.11
(1,1694)	1:B:75:ILE:HD11	1:A:83:LYS:HE3	8	0.11
(1,1694)	1:B:75:ILE:HD13	1:A:83:LYS:HE3	8	0.11
(1,1632)	1:B:87:TYR:H	1:B:89:THR:HG21	18	0.11
(1,1632)	1:B:87:TYR:H	1:B:89:THR:HG22	18	0.11
(1,1632)	1:B:87:TYR:H	1:B:89:THR:HG23	18	0.11
(1,1631)	1:A:87:TYR:H	1:A:89:THR:HG21	18	0.11
(1,1631)	1:A:87:TYR:H	1:A:89:THR:HG22	18	0.11
(1,1631)	1:A:87:TYR:H	1:A:89:THR:HG23	18	0.11
(1,1617)	1:A:63:ALA:H	1:A:61:LEU:HB3	4	0.11
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	3	0.11
(1,1542)	1:B:44:THR:H	1:B:45:ILE:HB	13	0.11
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	3	0.11
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	5	0.11
(1,1541)	1:A:44:THR:H	1:A:45:ILE:HB	13	0.11
(1,1526)	1:B:92:GLU:H	1:B:46:LYS:HB3	13	0.11
(1,1525)	1:A:92:GLU:H	1:A:46:LYS:HB3	13	0.11
(1,1454)	1:B:35:GLN:H	1:B:35:GLN:HG3	5	0.11
(1,1454)	1:B:35:GLN:H	1:B:35:GLN:HG3	7	0.11
(1,1454)	1:B:35:GLN:H	1:B:35:GLN:HG3	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:A:35:GLN:H	1:A:35:GLN:HG3	5	0.11
(1,1453)	1:A:35:GLN:H	1:A:35:GLN:HG3	7	0.11
(1,1453)	1:A:35:GLN:H	1:A:35:GLN:HG3	12	0.11
(1,1453)	1:A:35:GLN:H	1:A:35:GLN:HG3	15	0.11
(1,1440)	1:B:73:GLU:H	1:B:72:GLN:HG2	1	0.11
(1,1440)	1:B:73:GLU:H	1:B:72:GLN:HG3	1	0.11
(1,1440)	1:B:73:GLU:H	1:B:72:GLN:HG2	19	0.11
(1,1440)	1:B:73:GLU:H	1:B:72:GLN:HG3	19	0.11
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG2	1	0.11
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG3	1	0.11
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG2	15	0.11
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG3	15	0.11
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG2	19	0.11
(1,1439)	1:A:73:GLU:H	1:A:72:GLN:HG3	19	0.11
(1,1414)	1:B:59:GLN:H	1:B:59:GLN:HG3	10	0.11
(1,1413)	1:A:59:GLN:H	1:A:59:GLN:HG3	10	0.11
(1,1413)	1:A:59:GLN:H	1:A:59:GLN:HG3	16	0.11
(1,1373)	1:A:51:LYS:H	1:A:50:ASP:HB2	18	0.11
(1,1368)	1:B:52:ALA:H	1:B:50:ASP:HB2	16	0.11
(1,120)	1:B:8:LEU:HD12	1:A:42:ALA:H	15	0.11
(1,120)	1:B:8:LEU:HD11	1:A:42:ALA:H	15	0.11
(1,120)	1:B:8:LEU:HD13	1:A:42:ALA:H	15	0.11
(1,119)	1:A:8:LEU:HD12	1:B:42:ALA:H	10	0.11
(1,119)	1:A:8:LEU:HD11	1:B:42:ALA:H	10	0.11
(1,119)	1:A:8:LEU:HD13	1:B:42:ALA:H	10	0.11
(1,119)	1:A:8:LEU:HD12	1:B:42:ALA:H	15	0.11
(1,119)	1:A:8:LEU:HD11	1:B:42:ALA:H	15	0.11
(1,119)	1:A:8:LEU:HD13	1:B:42:ALA:H	15	0.11

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

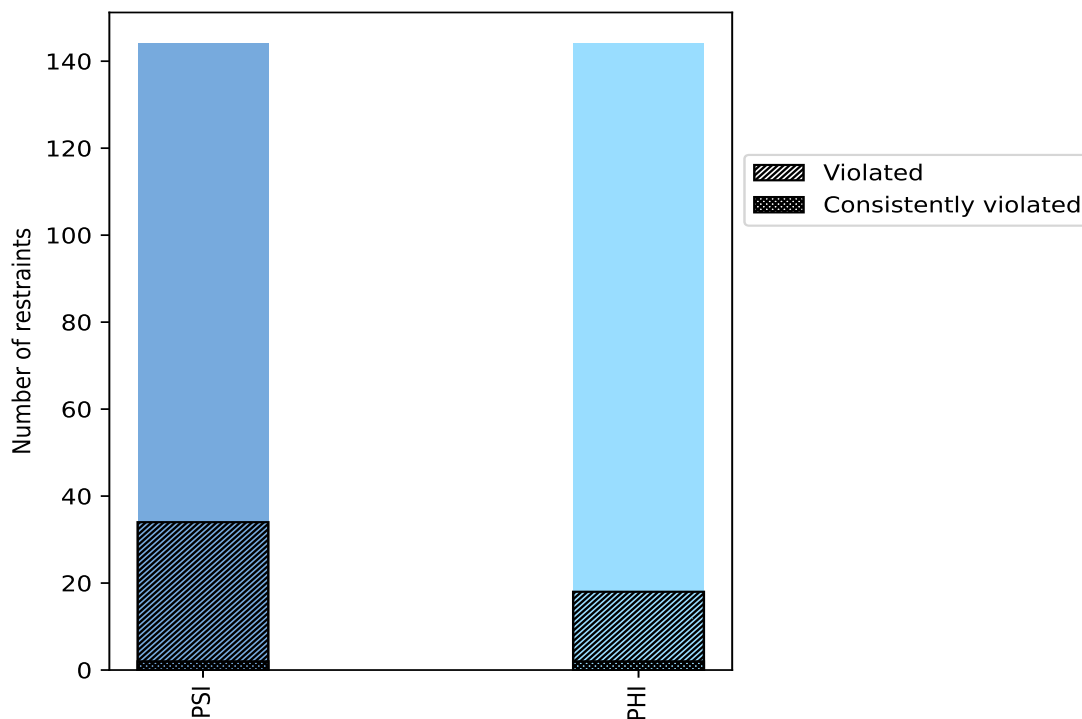
### 10.1 Summary of dihedral-angle violations [i](#)

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	144	50.0	34	23.6	11.8	2	1.4	0.7
PHI	144	50.0	18	12.5	6.2	2	1.4	0.7
Total	288	100.0	52	18.1	18.1	4	1.4	1.4

<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](#)



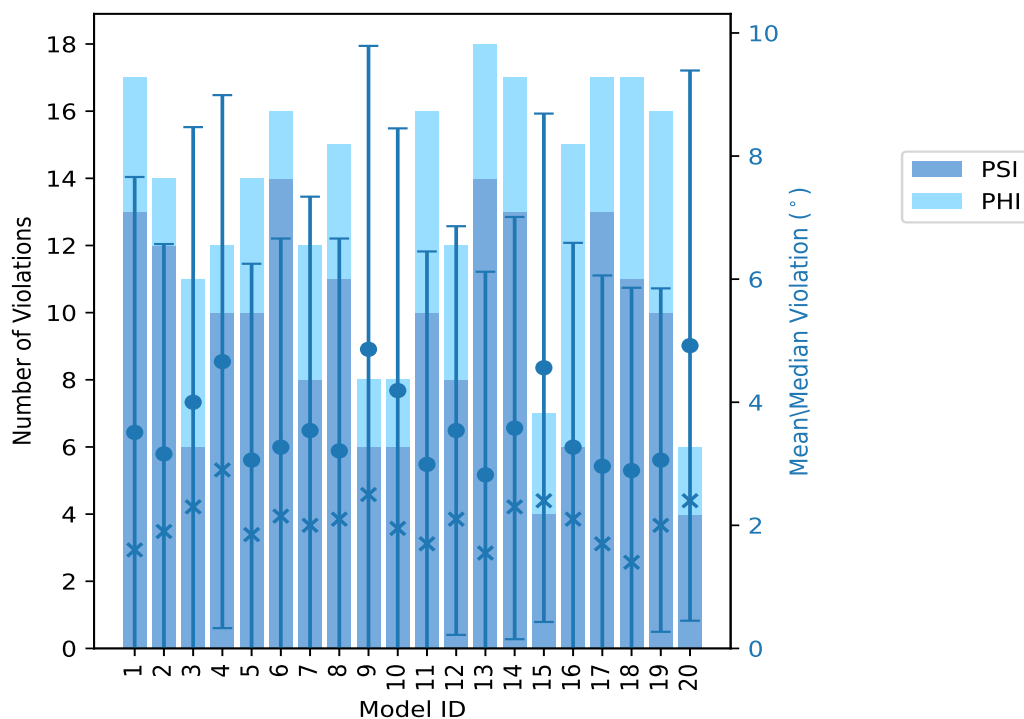
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

## 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	13	4	17	3.51	14.7	4.15	1.6
2	12	2	14	3.16	11.5	3.41	1.9
3	6	5	11	4.0	13.4	4.47	2.3
4	10	2	12	4.66	14.3	4.33	2.9
5	10	4	14	3.06	10.8	3.19	1.85
6	14	2	16	3.27	12.2	3.39	2.15
7	8	4	12	3.54	12.0	3.8	2.0
8	11	4	15	3.21	12.0	3.45	2.1
9	6	2	8	4.86	13.4	4.93	2.5
10	6	2	8	4.19	11.6	4.26	1.95
11	10	6	16	2.99	12.2	3.46	1.7
12	8	4	12	3.54	10.9	3.32	2.1
13	14	4	18	2.82	12.2	3.3	1.55
14	13	4	17	3.58	12.5	3.43	2.3
15	4	3	7	4.56	11.1	4.13	2.4
16	6	9	15	3.27	11.7	3.32	2.1
17	13	4	17	2.96	11.3	3.1	1.7
18	11	6	17	2.89	10.9	2.97	1.4
19	10	6	16	3.06	10.4	2.79	2.0
20	4	2	6	4.92	11.2	4.47	2.4

### 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>	%
11	6	17	1	5.0
5	6	11	2	10.0
0	1	1	3	15.0
2	1	3	4	20.0
0	0	0	5	25.0
4	0	4	6	30.0
4	2	6	7	35.0
0	0	0	8	40.0
2	0	2	9	45.0
0	0	0	10	50.0
1	0	1	11	55.0

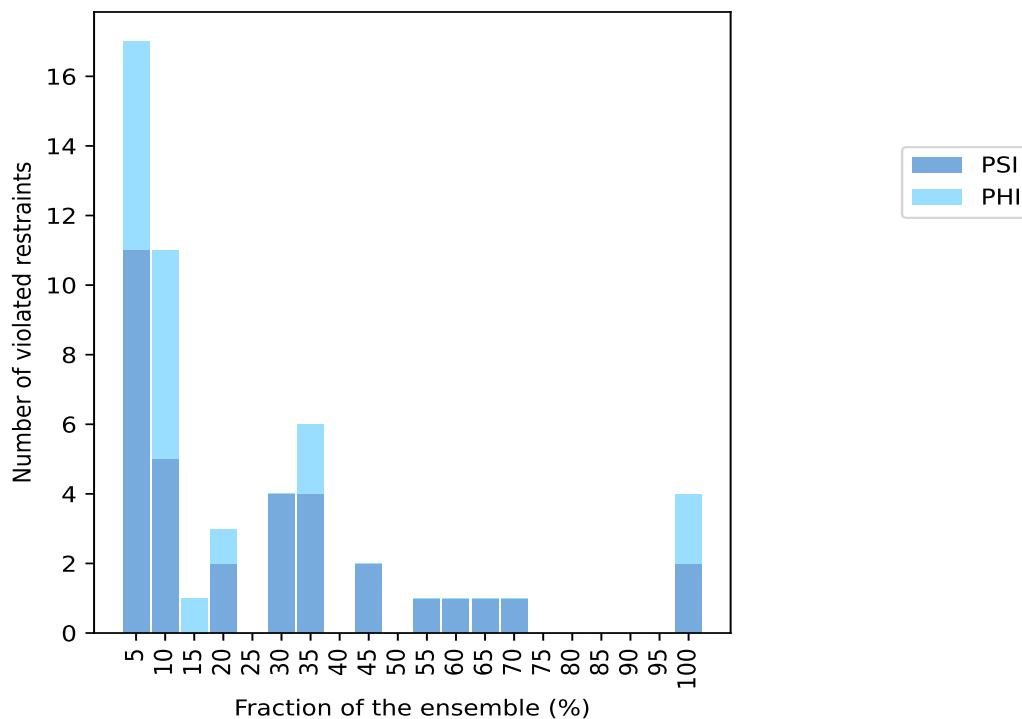
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count <sup>1</sup>	%
1	0	1	12	60.0
1	0	1	13	65.0
1	0	1	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
0	0	0	18	90.0
0	0	0	19	95.0
2	2	4	20	100.0

<sup>1</sup> Number of models with violations

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



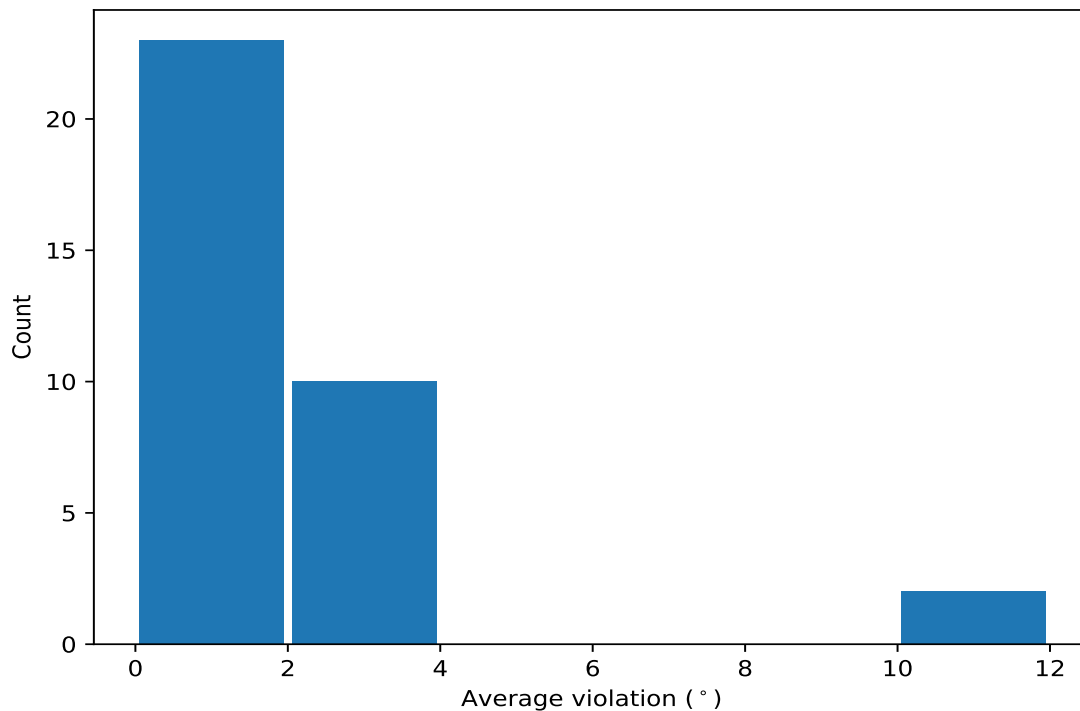
## 10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

### 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
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	20	11.96	1.14	11.75
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	20	11.96	1.14	11.7
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	20	2.38	0.39	2.45
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	20	2.38	0.43	2.4
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	14	2.23	0.72	2.35
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	13	2.24	0.61	2.3
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	12	1.88	0.48	1.95
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	11	1.99	0.46	2.0
(1,278)	1:B:84:ALA:N	1:B:84:ALA:CA	1:B:84:ALA:C	1:B:85:ALA:N	9	2.13	0.59	2.1
(1,134)	1:A:84:ALA:N	1:A:84:ALA:CA	1:A:84:ALA:C	1:A:85:ALA:N	9	2.08	0.58	2.1
(1,102)	1:A:68:GLN:N	1:A:68:GLN:CA	1:A:68:GLN:C	1:A:69:VAL:N	7	1.74	0.46	1.9
(1,104)	1:A:69:VAL:N	1:A:69:VAL:CA	1:A:69:VAL:C	1:A:70:ASP:N	7	1.71	0.77	1.4
(1,139)	1:A:86:HIS:C	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	7	1.67	0.39	1.6
(1,283)	1:B:86:HIS:C	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	7	1.63	0.42	1.7
(1,152)	1:B:8:LEU:N	1:B:8:LEU:CA	1:B:8:LEU:C	1:B:9:GLU:N	7	1.51	0.54	1.3
(1,8)	1:A:8:LEU:N	1:A:8:LEU:CA	1:A:8:LEU:C	1:A:9:GLU:N	7	1.47	0.53	1.3
(1,248)	1:B:69:VAL:N	1:B:69:VAL:CA	1:B:69:VAL:C	1:B:70:ASP:N	6	1.83	0.77	1.55
(1,246)	1:B:68:GLN:N	1:B:68:GLN:CA	1:B:68:GLN:C	1:B:69:VAL:N	6	1.8	0.49	1.7
(1,168)	1:B:16:HIS:N	1:B:16:HIS:CA	1:B:16:HIS:C	1:B:17:GLN:N	6	1.7	0.49	1.55
(1,24)	1:A:16:HIS:N	1:A:16:HIS:CA	1:A:16:HIS:C	1:A:17:GLN:N	6	1.65	0.46	1.5

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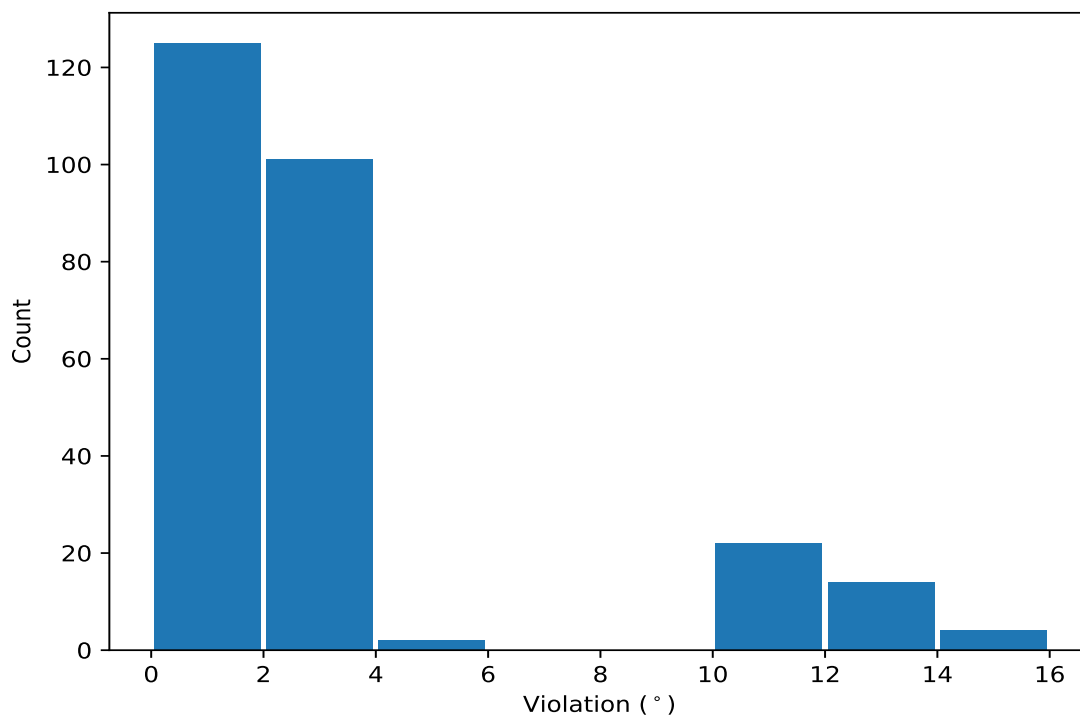
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models <sup>1</sup>	Mean	SD <sup>2</sup>	Median
(1,2)	1:A:3:LYS:N	1:A:3:LYS:CA	1:A:3:LYS:C	1:A:4:LEU:N	4	2.95	1.5	2.5
(1,146)	1:B:3:LYS:N	1:B:3:LYS:CA	1:B:3:LYS:C	1:B:4:LEU:N	4	2.9	1.5	2.45
(1,281)	1:B:85:ALA:C	1:B:86:HIS:N	1:B:86:HIS:CA	1:B:86:HIS:C	4	1.23	0.13	1.2
(1,137)	1:A:85:ALA:C	1:A:86:HIS:N	1:A:86:HIS:CA	1:A:86:HIS:C	3	1.23	0.12	1.2
(1,29)	1:A:28:LEU:C	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	2	2.2	0.1	2.2
(1,173)	1:B:28:LEU:C	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	2	2.2	0.1	2.2
(1,10)	1:A:9:GLU:N	1:A:9:GLU:CA	1:A:9:GLU:C	1:A:10:GLY:N	2	1.5	0.3	1.5
(1,135)	1:A:84:ALA:C	1:A:85:ALA:N	1:A:85:ALA:CA	1:A:85:ALA:C	2	1.5	0.4	1.5
(1,279)	1:B:84:ALA:C	1:B:85:ALA:N	1:B:85:ALA:CA	1:B:85:ALA:C	2	1.5	0.4	1.5
(1,96)	1:A:64:ASN:N	1:A:64:ASN:CA	1:A:64:ASN:C	1:A:65:GLN:N	2	1.45	0.25	1.45
(1,154)	1:B:9:GLU:N	1:B:9:GLU:CA	1:B:9:GLU:C	1:B:10:GLY:N	2	1.4	0.3	1.4
(1,148)	1:B:6:GLU:N	1:B:6:GLU:CA	1:B:6:GLU:C	1:B:7:HIS:N	2	1.3	0.2	1.3
(1,203)	1:B:43:ASN:C	1:B:44:THR:N	1:B:44:THR:CA	1:B:44:THR:C	2	1.3	0.2	1.3
(1,4)	1:A:6:GLU:N	1:A:6:GLU:CA	1:A:6:GLU:C	1:A:7:HIS:N	2	1.3	0.1	1.3
(1,141)	1:A:87:TYR:C	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	2	1.2	0.1	1.2

<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 (°)
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	1	14.7
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	1	14.6
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	4	14.3
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	4	14.3
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	3	13.4
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	3	13.4
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	9	13.4
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	9	13.3
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	14	12.5
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	14	12.3
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	11	12.2
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	13	12.2
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	6	12.2
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	6	12.0
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	7	12.0
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	7	12.0
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	8	12.0
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	11	12.0
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	8	11.8
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	13	11.8
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	16	11.7
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	10	11.6
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	16	11.6
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	10	11.5
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	2	11.5
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	2	11.4
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	17	11.3
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	20	11.2
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	17	11.2
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	20	11.2
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	15	11.1
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	15	11.0
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	12	10.9
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	18	10.9
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	12	10.9
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	5	10.8
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	5	10.8
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	18	10.7
(1,140)	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	1:A:88:HIS:N	19	10.4
(1,284)	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	1:B:88:HIS:N	19	10.2
(1,2)	1:A:3:LYS:N	1:A:3:LYS:CA	1:A:3:LYS:C	1:A:4:LEU:N	14	5.3
(1,146)	1:B:3:LYS:N	1:B:3:LYS:CA	1:B:3:LYS:C	1:B:4:LEU:N	14	5.3
(1,248)	1:B:69:VAL:N	1:B:69:VAL:CA	1:B:69:VAL:C	1:B:70:ASP:N	4	3.4
(1,196)	1:B:40:GLU:N	1:B:40:GLU:CA	1:B:40:GLU:C	1:B:41:LEU:N	1	3.4
(1,104)	1:A:69:VAL:N	1:A:69:VAL:CA	1:A:69:VAL:C	1:A:70:ASP:N	4	3.4
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	18	3.3
(1,278)	1:B:84:ALA:N	1:B:84:ALA:CA	1:B:84:ALA:C	1:B:85:ALA:N	1	3.3

Continued on next page...

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,52)	1:A:40:GLU:N	1:A:40:GLU:CA	1:A:40:GLU:C	1:A:41:LEU:N	1	3.2
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	6	3.2
(1,2)	1:A:3:LYS:N	1:A:3:LYS:CA	1:A:3:LYS:C	1:A:4:LEU:N	19	3.2
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	18	3.2
(1,134)	1:A:84:ALA:N	1:A:84:ALA:CA	1:A:84:ALA:C	1:A:85:ALA:N	1	3.1
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	4	3.0
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	12	3.0
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	17	3.0
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	4	3.0
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	17	3.0
(1,146)	1:B:3:LYS:N	1:B:3:LYS:CA	1:B:3:LYS:C	1:B:4:LEU:N	19	3.0
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	17	3.0
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	17	2.9
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	6	2.9
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	16	2.8
(1,278)	1:B:84:ALA:N	1:B:84:ALA:CA	1:B:84:ALA:C	1:B:85:ALA:N	13	2.8
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	12	2.8
(1,152)	1:B:8:LEU:N	1:B:8:LEU:CA	1:B:8:LEU:C	1:B:9:GLU:N	4	2.8
(1,134)	1:A:84:ALA:N	1:A:84:ALA:CA	1:A:84:ALA:C	1:A:85:ALA:N	13	2.8
(1,8)	1:A:8:LEU:N	1:A:8:LEU:CA	1:A:8:LEU:C	1:A:9:GLU:N	4	2.7
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	1	2.7
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	3	2.7
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	5	2.7
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	14	2.7
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	8	2.7
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	2	2.7
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	3	2.7
(1,144)	1:A:89:THR:N	1:A:89:THR:CA	1:A:89:THR:C	1:A:90:HIS:N	6	2.7
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	16	2.7
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	2	2.6
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	8	2.6
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	9	2.6
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	13	2.6
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	14	2.6
(1,288)	1:B:89:THR:N	1:B:89:THR:CA	1:B:89:THR:C	1:B:90:HIS:N	6	2.6
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	7	2.6
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	5	2.6
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	8	2.6
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	14	2.6
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	9	2.6
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	14	2.6
(1,283)	1:B:86:HIS:C	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	18	2.5
(1,246)	1:B:68:GLN:N	1:B:68:GLN:CA	1:B:68:GLN:C	1:B:69:VAL:N	4	2.5
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	1	2.5
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	16	2.5
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	15	2.5
(1,139)	1:A:86:HIS:C	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	18	2.5
(1,102)	1:A:68:GLN:N	1:A:68:GLN:CA	1:A:68:GLN:C	1:A:69:VAL:N	4	2.5
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	18	2.4
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	20	2.4
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	15	2.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,278)	1:B:84:ALA:N	1:B:84:ALA:CA	1:B:84:ALA:C	1:B:85:ALA:N	3	2.4
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	9	2.4
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	19	2.4
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	20	2.4
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	13	2.4
(1,168)	1:B:16:HIS:N	1:B:16:HIS:CA	1:B:16:HIS:C	1:B:17:GLN:N	19	2.4
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	8	2.4
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	9	2.3
(1,29)	1:A:28:LEU:C	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	11	2.3
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	14	2.3
(1,246)	1:B:68:GLN:N	1:B:68:GLN:CA	1:B:68:GLN:C	1:B:69:VAL:N	16	2.3
(1,24)	1:A:16:HIS:N	1:A:16:HIS:CA	1:A:16:HIS:C	1:A:17:GLN:N	19	2.3
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	18	2.3
(1,173)	1:B:28:LEU:C	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	11	2.3
(1,168)	1:B:16:HIS:N	1:B:16:HIS:CA	1:B:16:HIS:C	1:B:17:GLN:N	10	2.3
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	14	2.3
(1,134)	1:A:84:ALA:N	1:A:84:ALA:CA	1:A:84:ALA:C	1:A:85:ALA:N	3	2.3
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	6	2.2
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	16	2.2
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	19	2.2
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	12	2.2
(1,24)	1:A:16:HIS:N	1:A:16:HIS:CA	1:A:16:HIS:C	1:A:17:GLN:N	10	2.2
(1,134)	1:A:84:ALA:N	1:A:84:ALA:CA	1:A:84:ALA:C	1:A:85:ALA:N	6	2.2
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	5	2.1
(1,29)	1:A:28:LEU:C	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	16	2.1
(1,278)	1:B:84:ALA:N	1:B:84:ALA:CA	1:B:84:ALA:C	1:B:85:ALA:N	6	2.1
(1,278)	1:B:84:ALA:N	1:B:84:ALA:CA	1:B:84:ALA:C	1:B:85:ALA:N	8	2.1
(1,248)	1:B:69:VAL:N	1:B:69:VAL:CA	1:B:69:VAL:C	1:B:70:ASP:N	12	2.1
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	11	2.1
(1,173)	1:B:28:LEU:C	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	16	2.1
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	7	2.1
(1,134)	1:A:84:ALA:N	1:A:84:ALA:CA	1:A:84:ALA:C	1:A:85:ALA:N	8	2.1
(1,104)	1:A:69:VAL:N	1:A:69:VAL:CA	1:A:69:VAL:C	1:A:70:ASP:N	12	2.1
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	7	2.0
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	2	2.0
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	7	2.0
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	3	2.0
(1,278)	1:B:84:ALA:N	1:B:84:ALA:CA	1:B:84:ALA:C	1:B:85:ALA:N	4	2.0
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	2	2.0
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	5	2.0
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	7	2.0
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	13	2.0
(1,134)	1:A:84:ALA:N	1:A:84:ALA:CA	1:A:84:ALA:C	1:A:85:ALA:N	4	2.0
(1,102)	1:A:68:GLN:N	1:A:68:GLN:CA	1:A:68:GLN:C	1:A:69:VAL:N	2	2.0
(1,102)	1:A:68:GLN:N	1:A:68:GLN:CA	1:A:68:GLN:C	1:A:69:VAL:N	17	2.0
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	11	1.9
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	15	1.9
(1,279)	1:B:84:ALA:C	1:B:85:ALA:N	1:B:85:ALA:CA	1:B:85:ALA:C	12	1.9
(1,246)	1:B:68:GLN:N	1:B:68:GLN:CA	1:B:68:GLN:C	1:B:69:VAL:N	17	1.9
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	6	1.9
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	7	1.9

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	15	1.9
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	8	1.9
(1,146)	1:B:3:LYS:N	1:B:3:LYS:CA	1:B:3:LYS:C	1:B:4:LEU:N	5	1.9
(1,135)	1:A:84:ALA:C	1:A:85:ALA:N	1:A:85:ALA:CA	1:A:85:ALA:C	12	1.9
(1,102)	1:A:68:GLN:N	1:A:68:GLN:CA	1:A:68:GLN:C	1:A:69:VAL:N	16	1.9
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	11	1.8
(1,240)	1:B:64:ASN:N	1:B:64:ASN:CA	1:B:64:ASN:C	1:B:65:GLN:N	2	1.8
(1,2)	1:A:3:LYS:N	1:A:3:LYS:CA	1:A:3:LYS:C	1:A:4:LEU:N	5	1.8
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	12	1.8
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	3	1.8
(1,139)	1:A:86:HIS:C	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	14	1.8
(1,139)	1:A:86:HIS:C	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	19	1.8
(1,10)	1:A:9:GLU:N	1:A:9:GLU:CA	1:A:9:GLU:C	1:A:10:GLY:N	19	1.8
(1,96)	1:A:64:ASN:N	1:A:64:ASN:CA	1:A:64:ASN:C	1:A:65:GLN:N	2	1.7
(1,59)	1:A:43:ASN:C	1:A:44:THR:N	1:A:44:THR:CA	1:A:44:THR:C	16	1.7
(1,34)	1:A:31:GLY:N	1:A:31:GLY:CA	1:A:31:GLY:C	1:A:32:GLU:N	17	1.7
(1,283)	1:B:86:HIS:C	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	7	1.7
(1,283)	1:B:86:HIS:C	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	14	1.7
(1,283)	1:B:86:HIS:C	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	19	1.7
(1,248)	1:B:69:VAL:N	1:B:69:VAL:CA	1:B:69:VAL:C	1:B:70:ASP:N	5	1.7
(1,24)	1:A:16:HIS:N	1:A:16:HIS:CA	1:A:16:HIS:C	1:A:17:GLN:N	11	1.7
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	10	1.7
(1,193)	1:B:38:THR:C	1:B:39:LYS:N	1:B:39:LYS:CA	1:B:39:LYS:C	13	1.7
(1,154)	1:B:9:GLU:N	1:B:9:GLU:CA	1:B:9:GLU:C	1:B:10:GLY:N	19	1.7
(1,145)	1:B:2:THR:C	1:B:3:LYS:N	1:B:3:LYS:CA	1:B:3:LYS:C	19	1.7
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	11	1.7
(1,104)	1:A:69:VAL:N	1:A:69:VAL:CA	1:A:69:VAL:C	1:A:70:ASP:N	5	1.7
(1,8)	1:A:8:LEU:N	1:A:8:LEU:CA	1:A:8:LEU:C	1:A:9:GLU:N	1	1.6
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	13	1.6
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	8	1.6
(1,278)	1:B:84:ALA:N	1:B:84:ALA:CA	1:B:84:ALA:C	1:B:85:ALA:N	14	1.6
(1,168)	1:B:16:HIS:N	1:B:16:HIS:CA	1:B:16:HIS:C	1:B:17:GLN:N	11	1.6
(1,162)	1:B:13:ASN:N	1:B:13:ASN:CA	1:B:13:ASN:C	1:B:14:ILE:N	11	1.6
(1,152)	1:B:8:LEU:N	1:B:8:LEU:CA	1:B:8:LEU:C	1:B:9:GLU:N	1	1.6
(1,139)	1:A:86:HIS:C	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	7	1.6
(1,49)	1:A:38:THR:C	1:A:39:LYS:N	1:A:39:LYS:CA	1:A:39:LYS:C	10	1.5
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	13	1.5
(1,283)	1:B:86:HIS:C	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	16	1.5
(1,278)	1:B:84:ALA:N	1:B:84:ALA:CA	1:B:84:ALA:C	1:B:85:ALA:N	11	1.5
(1,246)	1:B:68:GLN:N	1:B:68:GLN:CA	1:B:68:GLN:C	1:B:69:VAL:N	2	1.5
(1,246)	1:B:68:GLN:N	1:B:68:GLN:CA	1:B:68:GLN:C	1:B:69:VAL:N	6	1.5
(1,203)	1:B:43:ASN:C	1:B:44:THR:N	1:B:44:THR:CA	1:B:44:THR:C	16	1.5
(1,2)	1:A:3:LYS:N	1:A:3:LYS:CA	1:A:3:LYS:C	1:A:4:LEU:N	17	1.5
(1,18)	1:A:13:ASN:N	1:A:13:ASN:CA	1:A:13:ASN:C	1:A:14:ILE:N	11	1.5
(1,178)	1:B:31:GLY:N	1:B:31:GLY:CA	1:B:31:GLY:C	1:B:32:GLU:N	17	1.5
(1,168)	1:B:16:HIS:N	1:B:16:HIS:CA	1:B:16:HIS:C	1:B:17:GLN:N	8	1.5
(1,148)	1:B:6:GLU:N	1:B:6:GLU:CA	1:B:6:GLU:C	1:B:7:HIS:N	12	1.5
(1,134)	1:A:84:ALA:N	1:A:84:ALA:CA	1:A:84:ALA:C	1:A:85:ALA:N	14	1.5
(1,102)	1:A:68:GLN:N	1:A:68:GLN:CA	1:A:68:GLN:C	1:A:69:VAL:N	6	1.5
(1,1)	1:A:2:THR:C	1:A:3:LYS:N	1:A:3:LYS:CA	1:A:3:LYS:C	19	1.5
(1,4)	1:A:6:GLU:N	1:A:6:GLU:CA	1:A:6:GLU:C	1:A:7:HIS:N	12	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	1	1.4
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	10	1.4
(1,30)	1:A:29:SER:N	1:A:29:SER:CA	1:A:29:SER:C	1:A:30:LYS:N	18	1.4
(1,281)	1:B:85:ALA:C	1:B:86:HIS:N	1:B:86:HIS:CA	1:B:86:HIS:C	13	1.4
(1,278)	1:B:84:ALA:N	1:B:84:ALA:CA	1:B:84:ALA:C	1:B:85:ALA:N	2	1.4
(1,248)	1:B:69:VAL:N	1:B:69:VAL:CA	1:B:69:VAL:C	1:B:70:ASP:N	6	1.4
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	1	1.4
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	18	1.4
(1,146)	1:B:3:LYS:N	1:B:3:LYS:CA	1:B:3:LYS:C	1:B:4:LEU:N	17	1.4
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	19	1.4
(1,139)	1:A:86:HIS:C	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	17	1.4
(1,137)	1:A:85:ALA:C	1:A:86:HIS:N	1:A:86:HIS:CA	1:A:86:HIS:C	18	1.4
(1,134)	1:A:84:ALA:N	1:A:84:ALA:CA	1:A:84:ALA:C	1:A:85:ALA:N	2	1.4
(1,104)	1:A:69:VAL:N	1:A:69:VAL:CA	1:A:69:VAL:C	1:A:70:ASP:N	6	1.4
(1,8)	1:A:8:LEU:N	1:A:8:LEU:CA	1:A:8:LEU:C	1:A:9:GLU:N	7	1.3
(1,8)	1:A:8:LEU:N	1:A:8:LEU:CA	1:A:8:LEU:C	1:A:9:GLU:N	14	1.3
(1,42)	1:A:35:GLN:N	1:A:35:GLN:CA	1:A:35:GLN:C	1:A:36:LEU:N	13	1.3
(1,281)	1:B:85:ALA:C	1:B:86:HIS:N	1:B:86:HIS:CA	1:B:86:HIS:C	11	1.3
(1,248)	1:B:69:VAL:N	1:B:69:VAL:CA	1:B:69:VAL:C	1:B:70:ASP:N	1	1.3
(1,247)	1:B:68:GLN:C	1:B:69:VAL:N	1:B:69:VAL:CA	1:B:69:VAL:C	5	1.3
(1,24)	1:A:16:HIS:N	1:A:16:HIS:CA	1:A:16:HIS:C	1:A:17:GLN:N	18	1.3
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	10	1.3
(1,168)	1:B:16:HIS:N	1:B:16:HIS:CA	1:B:16:HIS:C	1:B:17:GLN:N	18	1.3
(1,152)	1:B:8:LEU:N	1:B:8:LEU:CA	1:B:8:LEU:C	1:B:9:GLU:N	6	1.3
(1,152)	1:B:8:LEU:N	1:B:8:LEU:CA	1:B:8:LEU:C	1:B:9:GLU:N	7	1.3
(1,152)	1:B:8:LEU:N	1:B:8:LEU:CA	1:B:8:LEU:C	1:B:9:GLU:N	14	1.3
(1,141)	1:A:87:TYR:C	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1	1.3
(1,139)	1:A:86:HIS:C	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	8	1.3
(1,139)	1:A:86:HIS:C	1:A:87:TYR:N	1:A:87:TYR:CA	1:A:87:TYR:C	16	1.3
(1,134)	1:A:84:ALA:N	1:A:84:ALA:CA	1:A:84:ALA:C	1:A:85:ALA:N	11	1.3
(1,96)	1:A:64:ASN:N	1:A:64:ASN:CA	1:A:64:ASN:C	1:A:65:GLN:N	18	1.2
(1,8)	1:A:8:LEU:N	1:A:8:LEU:CA	1:A:8:LEU:C	1:A:9:GLU:N	6	1.2
(1,4)	1:A:6:GLU:N	1:A:6:GLU:CA	1:A:6:GLU:C	1:A:7:HIS:N	17	1.2
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	5	1.2
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	19	1.2
(1,286)	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1:B:89:THR:N	20	1.2
(1,285)	1:B:87:TYR:C	1:B:88:HIS:N	1:B:88:HIS:CA	1:B:88:HIS:C	1	1.2
(1,283)	1:B:86:HIS:C	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	8	1.2
(1,24)	1:A:16:HIS:N	1:A:16:HIS:CA	1:A:16:HIS:C	1:A:17:GLN:N	2	1.2
(1,24)	1:A:16:HIS:N	1:A:16:HIS:CA	1:A:16:HIS:C	1:A:17:GLN:N	8	1.2
(1,152)	1:B:8:LEU:N	1:B:8:LEU:CA	1:B:8:LEU:C	1:B:9:GLU:N	18	1.2
(1,137)	1:A:85:ALA:C	1:A:86:HIS:N	1:A:86:HIS:CA	1:A:86:HIS:C	13	1.2
(1,104)	1:A:69:VAL:N	1:A:69:VAL:CA	1:A:69:VAL:C	1:A:70:ASP:N	1	1.2
(1,103)	1:A:68:GLN:C	1:A:69:VAL:N	1:A:69:VAL:CA	1:A:69:VAL:C	5	1.2
(1,102)	1:A:68:GLN:N	1:A:68:GLN:CA	1:A:68:GLN:C	1:A:69:VAL:N	9	1.2
(1,10)	1:A:9:GLU:N	1:A:9:GLU:CA	1:A:9:GLU:C	1:A:10:GLY:N	1	1.2
(1,8)	1:A:8:LEU:N	1:A:8:LEU:CA	1:A:8:LEU:C	1:A:9:GLU:N	13	1.1
(1,8)	1:A:8:LEU:N	1:A:8:LEU:CA	1:A:8:LEU:C	1:A:9:GLU:N	18	1.1
(1,283)	1:B:86:HIS:C	1:B:87:TYR:N	1:B:87:TYR:CA	1:B:87:TYR:C	17	1.1
(1,281)	1:B:85:ALA:C	1:B:86:HIS:N	1:B:86:HIS:CA	1:B:86:HIS:C	16	1.1
(1,281)	1:B:85:ALA:C	1:B:86:HIS:N	1:B:86:HIS:CA	1:B:86:HIS:C	18	1.1

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,279)	1:B:84:ALA:C	1:B:85:ALA:N	1:B:85:ALA:CA	1:B:85:ALA:C	3	1.1
(1,248)	1:B:69:VAL:N	1:B:69:VAL:CA	1:B:69:VAL:C	1:B:70:ASP:N	13	1.1
(1,246)	1:B:68:GLN:N	1:B:68:GLN:CA	1:B:68:GLN:C	1:B:69:VAL:N	9	1.1
(1,203)	1:B:43:ASN:C	1:B:44:THR:N	1:B:44:THR:CA	1:B:44:THR:C	15	1.1
(1,186)	1:B:35:GLN:N	1:B:35:GLN:CA	1:B:35:GLN:C	1:B:36:LEU:N	13	1.1
(1,174)	1:B:29:SER:N	1:B:29:SER:CA	1:B:29:SER:C	1:B:30:LYS:N	20	1.1
(1,168)	1:B:16:HIS:N	1:B:16:HIS:CA	1:B:16:HIS:C	1:B:17:GLN:N	2	1.1
(1,154)	1:B:9:GLU:N	1:B:9:GLU:CA	1:B:9:GLU:C	1:B:10:GLY:N	17	1.1
(1,152)	1:B:8:LEU:N	1:B:8:LEU:CA	1:B:8:LEU:C	1:B:9:GLU:N	13	1.1
(1,148)	1:B:6:GLU:N	1:B:6:GLU:CA	1:B:6:GLU:C	1:B:7:HIS:N	17	1.1
(1,142)	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	1:A:89:THR:N	5	1.1
(1,141)	1:A:87:TYR:C	1:A:88:HIS:N	1:A:88:HIS:CA	1:A:88:HIS:C	3	1.1
(1,137)	1:A:85:ALA:C	1:A:86:HIS:N	1:A:86:HIS:CA	1:A:86:HIS:C	11	1.1
(1,135)	1:A:84:ALA:C	1:A:85:ALA:N	1:A:85:ALA:CA	1:A:85:ALA:C	3	1.1
(1,104)	1:A:69:VAL:N	1:A:69:VAL:CA	1:A:69:VAL:C	1:A:70:ASP:N	13	1.1
(1,104)	1:A:69:VAL:N	1:A:69:VAL:CA	1:A:69:VAL:C	1:A:70:ASP:N	14	1.1
(1,102)	1:A:68:GLN:N	1:A:68:GLN:CA	1:A:68:GLN:C	1:A:69:VAL:N	8	1.1