



# Full wwPDB NMR Structure Validation Report ⓘ

Dec 25, 2024 – 12:00 AM EST

PDB ID : 2MYF  
BMRB ID : 25449  
Title : Solution structure of RNA recognition motif of a cyclophilin33-like protein from Plasmodium falciparum  
Authors : Ganguly, A.K.; Bhavesh, N.S.  
Deposited on : 2015-01-22

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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 : 20231227.v01 (using entries in the PDB archive December 27th 2023)  
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) : 2.40

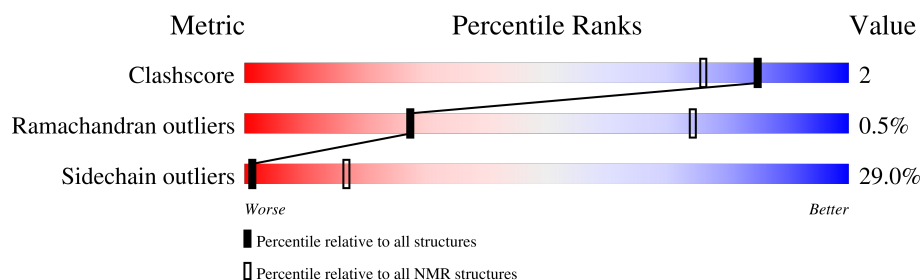
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*SOLUTION NMR*

The overall completeness of chemical shifts assignment is 83%.

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	210492	14027
Ramachandran outliers	207382	12486
Sidechain outliers	206894	12463

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	89	<div> <div></div> <div>65%</div> <div>21%</div> <div>13%</div> </div>

## 2 Ensemble composition and analysis

This entry contains 20 models. Model 1 is the overall representative, medoid model (most similar to other models).

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:7-A:83 (77)	0.46	1

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

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

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

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

### 3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 1398 atoms, of which 684 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called RRM containing cyclophilin.

Mol	Chain	Residues	Atoms						Trace
1	A	89	Total	C	H	N	O	S	0
			1398	448	684	120	143	3	

There are 3 discrepancies between the modelled and reference sequences:

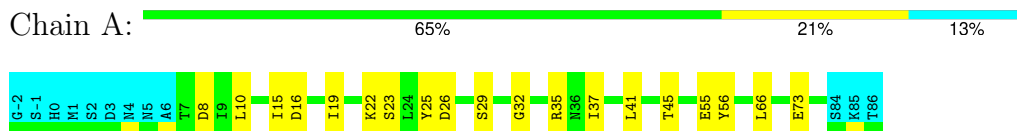
Chain	Residue	Modelled	Actual	Comment	Reference
A	-2	GLY	-	expression tag	UNP C0H5C7
A	-1	SER	-	expression tag	UNP C0H5C7
A	0	HIS	-	expression tag	UNP C0H5C7

## 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: RRM containing cyclophilin

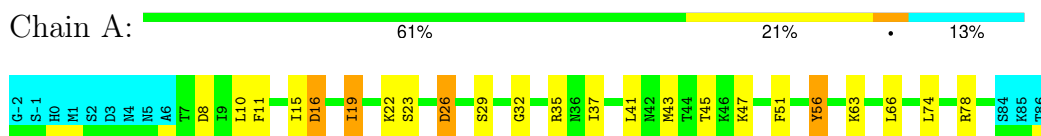


### 4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

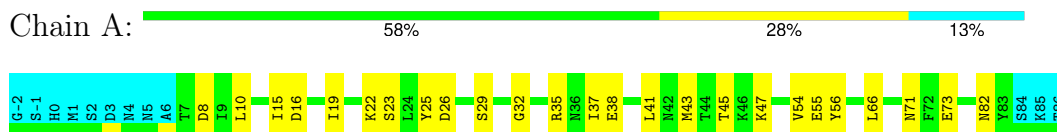
#### 4.2.1 Score per residue for model 1 (medoid)

- Molecule 1: RRM containing cyclophilin



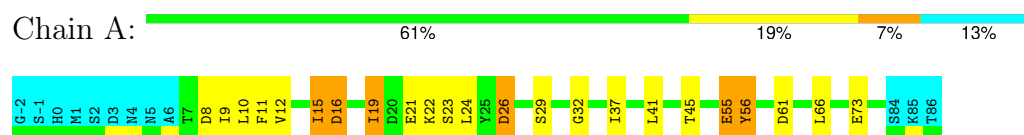
#### 4.2.2 Score per residue for model 2

- Molecule 1: RRM containing cyclophilin



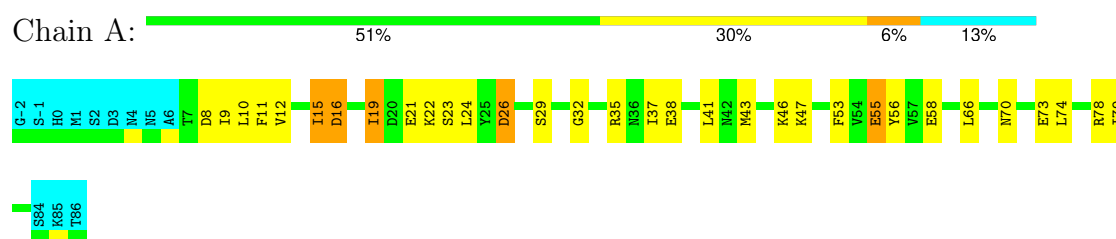
### 4.2.3 Score per residue for model 3

- Molecule 1: RRM containing cyclophilin



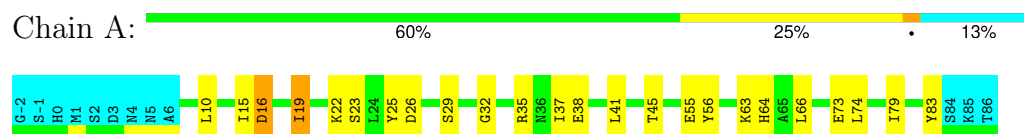
### 4.2.4 Score per residue for model 4

- Molecule 1: RRM containing cyclophilin



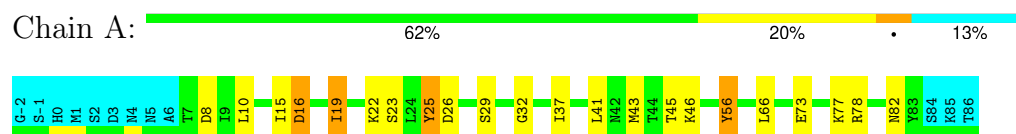
### 4.2.5 Score per residue for model 5

- Molecule 1: RRM containing cyclophilin



### 4.2.6 Score per residue for model 6

- Molecule 1: RRM containing cyclophilin



### 4.2.7 Score per residue for model 7

- Molecule 1: RRM containing cyclophilin

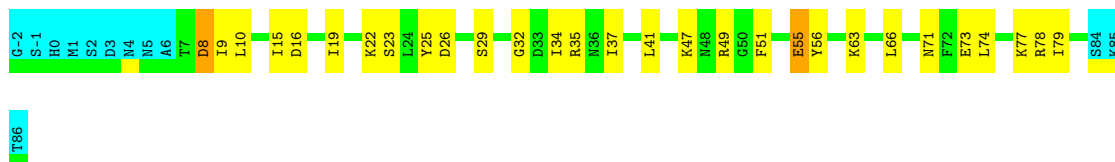




#### 4.2.8 Score per residue for model 8

- Molecule 1: RRM containing cyclophilin

Chain A: 54% 30% 13%



#### 4.2.9 Score per residue for model 9

- Molecule 1: RRM containing cyclophilin

Chain A: 61% 19% 7% 13%



#### 4.2.10 Score per residue for model 10

- Molecule 1: RRM containing cyclophilin

Chain A: 62% 22% 13%



#### 4.2.11 Score per residue for model 11

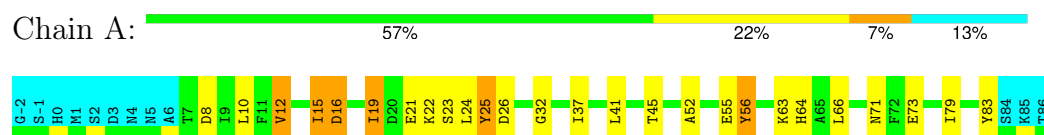
- Molecule 1: RRM containing cyclophilin

Chain A: 62% 21% 13%



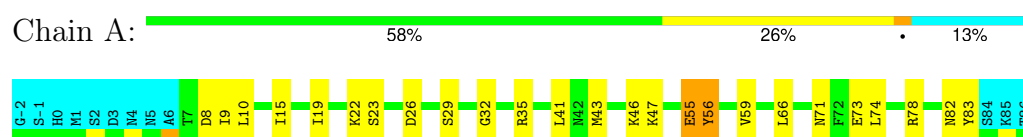
### 4.2.12 Score per residue for model 12

- Molecule 1: RRM containing cyclophilin



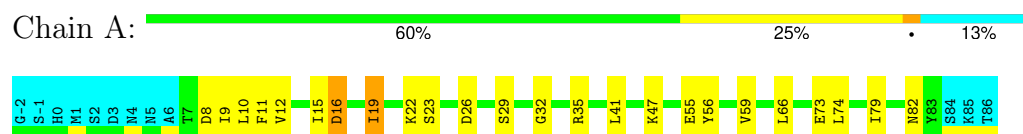
### 4.2.13 Score per residue for model 13

- Molecule 1: RRM containing cyclophilin



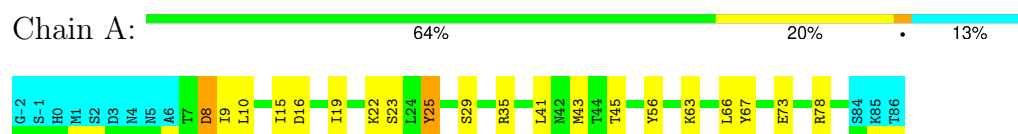
### 4.2.14 Score per residue for model 14

- Molecule 1: RRM containing cyclophilin



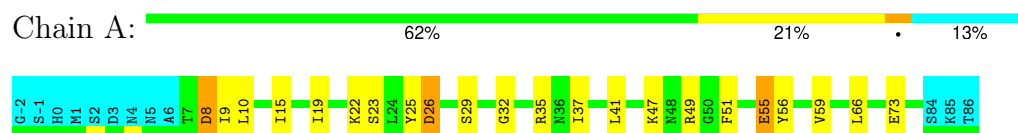
### 4.2.15 Score per residue for model 15

- Molecule 1: RRM containing cyclophilin



### 4.2.16 Score per residue for model 16

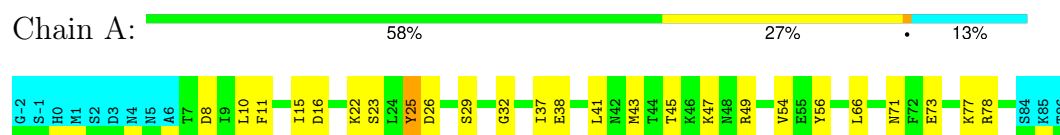
- Molecule 1: RRM containing cyclophilin





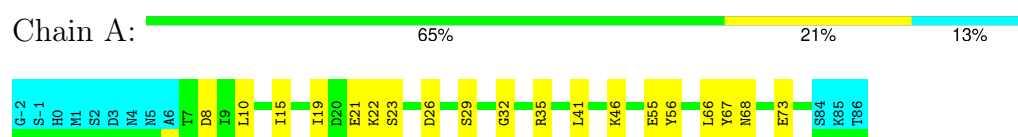
### 4.2.17 Score per residue for model 17

- Molecule 1: RRM containing cyclophilin



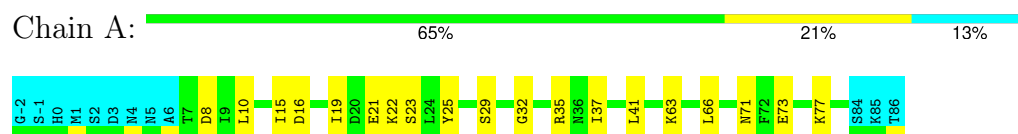
### 4.2.18 Score per residue for model 18

- Molecule 1: RRM containing cyclophilin



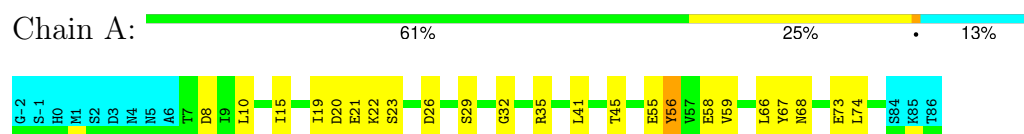
### 4.2.19 Score per residue for model 19

- Molecule 1: RRM containing cyclophilin



### 4.2.20 Score per residue for model 20

- Molecule 1: RRM containing cyclophilin



## 5 Refinement protocol and experimental data overview

The models were refined using the following method: *DGSA-distance geometry simulated annealing, molecular dynamics*.

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the least restraint violations*.

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

Software name	Classification	Version
CYANA	structure solution	3.0
CNS	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	1001
Number of shifts mapped to atoms	1001
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	83%

## 6 Model quality

### 6.1 Standard geometry

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with  $|Z| > 5$  is considered an outlier worth inspection. RMSZ is the (average) root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	1.31±0.02	0±0/641 ( 0.0± 0.1%)	1.11±0.03	1±1/866 ( 0.1± 0.1%)
All	All	1.31	3/12820 ( 0.0%)	1.11	16/17320 ( 0.1%)

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

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

All unique bond outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	54	VAL	CA-CB	5.15	1.65	1.54	2	2
1	A	12	VAL	CA-CB	5.09	1.65	1.54	14	1

All unique angle outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	25	TYR	CB-CG-CD1	6.48	124.89	121.00	6	6
1	A	56	TYR	CB-CG-CD1	6.36	124.82	121.00	3	3
1	A	53	PHE	CB-CG-CD1	5.49	124.64	120.80	4	1
1	A	56	TYR	CB-CG-CD2	-5.19	117.89	121.00	6	3
1	A	57	VAL	CG1-CB-CG2	-5.05	102.82	110.90	9	1
1	A	59	VAL	CA-CB-CG2	5.04	118.47	110.90	7	2

There are no chirality outliers.

All unique planar outliers are listed below.

Mol	Chain	Res	Type	Group	Models (Total)
1	A	16	ASP	Peptide	1

## 6.2 Too-close contacts [i](#)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	628	606	604	3±1
All	All	12560	12120	12080	51

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 2.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:16:ASP:O	1:A:19:ILE:HD12	0.57	1.98	1	9
1:A:15:ILE:HD13	1:A:24:LEU:HD11	0.57	1.75	3	3
1:A:26:ASP:HA	1:A:29:SER:OG	0.53	2.04	10	5
1:A:29:SER:HA	1:A:32:GLY:O	0.51	2.05	17	16
1:A:9:ILE:HA	1:A:55:GLU:OE1	0.50	2.06	8	7
1:A:15:ILE:HG22	1:A:74:LEU:HD22	0.49	1.84	9	1
1:A:32:GLY:HA3	1:A:56:TYR:CE2	0.44	2.48	9	5
1:A:12:VAL:O	1:A:52:ALA:HB3	0.43	2.13	12	1
1:A:8:ASP:C	1:A:9:ILE:HG13	0.42	2.35	9	2
1:A:34:ILE:HG21	1:A:37:ILE:HD11	0.41	1.90	8	1
1:A:45:THR:HG23	1:A:47:LYS:HG2	0.41	1.93	17	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	77/89 (87%)	72±1 (93±2%)	5±1 (6±2%)	0±0 (0±1%)	27	74
All	All	1540/1780 (87%)	1439 (93%)	94 (6%)	7 (0%)	27	74

All 2 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	8	ASP	4
1	A	46	LYS	3

### 6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	69/79 (87%)	49±2 (71±3%)	20±2 (29±3%)	1	17
All	All	1380/1580 (87%)	980 (71%)	400 (29%)	1	17

All 42 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	10	LEU	20
1	A	15	ILE	20
1	A	22	LYS	20
1	A	23	SER	20
1	A	41	LEU	20
1	A	66	LEU	20
1	A	19	ILE	19
1	A	56	TYR	19
1	A	73	GLU	19
1	A	8	ASP	17
1	A	26	ASP	17
1	A	16	ASP	15
1	A	35	ARG	15
1	A	55	GLU	15
1	A	37	ILE	12
1	A	25	TYR	11

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Mol	Chain	Res	Type	Models (Total)
1	A	45	THR	10
1	A	78	ARG	9
1	A	43	MET	8
1	A	47	LYS	8
1	A	74	LEU	8
1	A	63	LYS	7
1	A	71	ASN	7
1	A	21	GLU	7
1	A	11	PHE	6
1	A	82	ASN	5
1	A	79	ILE	5
1	A	77	LYS	5
1	A	49	ARG	5
1	A	51	PHE	4
1	A	38	GLU	4
1	A	12	VAL	4
1	A	64	HIS	3
1	A	59	VAL	3
1	A	67	TYR	3
1	A	58	GLU	2
1	A	46	LYS	2
1	A	68	ASN	2
1	A	61	ASP	1
1	A	70	ASN	1
1	A	29	SER	1
1	A	20	ASP	1

### 6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

### 6.4 Non-standard residues in protein, DNA, RNA chains ⓘ

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

### 6.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

## 6.6 Ligand geometry

There are no ligands in this entry.

## 6.7 Other polymers

There are no such molecules in this entry.

## 6.8 Polymer linkage issues

There are no chain breaks in this entry.

## 7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 83% for the well-defined parts and 83% for the entire structure.

### 7.1 Chemical shift list 1

File name: working\_cs.cif

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

#### 7.1.1 Bookkeeping

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	1001
Number of shifts mapped to atoms	1001
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

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	89	$-0.19 \pm 0.22$	None needed ( $< 0.5$ ppm)
$^{13}\text{C}_\beta$	83	$0.23 \pm 0.09$	None needed ( $< 0.5$ ppm)
$^{13}\text{C}'$	86	$0.14 \pm 0.17$	None needed ( $< 0.5$ ppm)
$^{15}\text{N}$	87	$0.46 \pm 0.39$	None needed ( $< 0.5$ ppm)

#### 7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 83%, i.e. 894 atoms were assigned a chemical shift out of a possible 1071. 0 out of 11 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	$^1\text{H}$	$^{13}\text{C}$	$^{15}\text{N}$
Backbone	385/388 (99%)	157/158 (99%)	152/154 (99%)	76/76 (100%)
Sidechain	469/571 (82%)	307/368 (83%)	154/181 (85%)	8/22 (36%)

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	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Aromatic	40/112 (36%)	20/54 (37%)	20/54 (37%)	0/4 (0%)
Overall	894/1071 (83%)	484/580 (83%)	326/389 (84%)	84/102 (82%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 83%, i.e. 1001 atoms were assigned a chemical shift out of a possible 1203. 0 out of 11 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Backbone	442/449 (98%)	180/183 (98%)	175/178 (98%)	87/88 (99%)
Sidechain	517/634 (82%)	337/408 (83%)	170/201 (85%)	10/25 (40%)
Aromatic	42/120 (35%)	21/58 (36%)	21/56 (38%)	0/6 (0%)
Overall	1001/1203 (83%)	538/649 (83%)	366/435 (84%)	97/119 (82%)

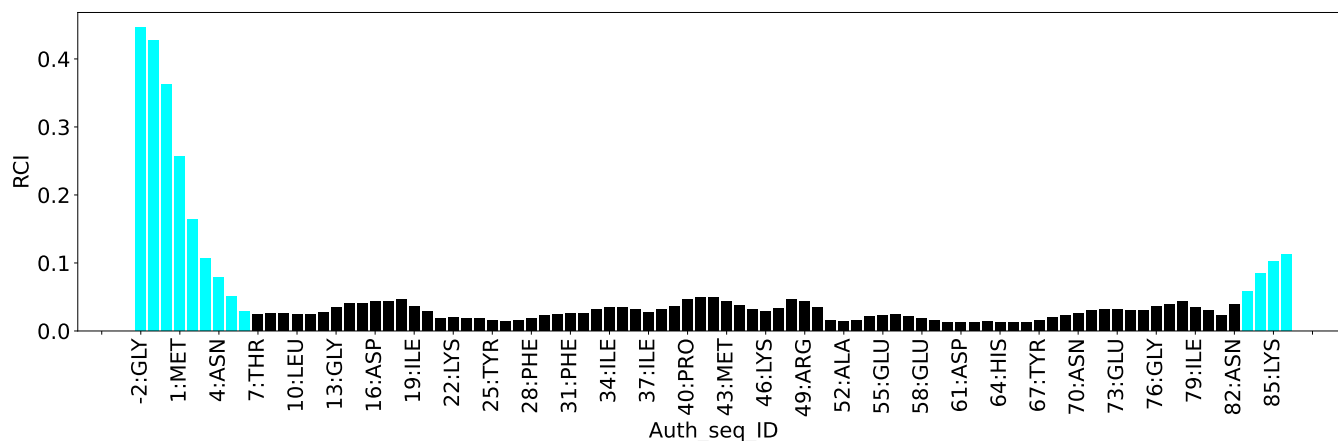
#### 7.1.4 Statistically unusual chemical shifts [i](#)

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	1548
Intra-residue ( $ i-j =0$ )	320
Sequential ( $ i-j =1$ )	449
Medium range ( $ i-j >1$ and $ i-j <5$ )	252
Long range ( $ i-j \geq 5$ )	527
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	132
Number of unmapped restraints	0
Number of restraints per residue	18.9
Number of long range restraints per residue <sup>1</sup>	5.9

<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)	186.3	0.2
0.2-0.5 (Medium)	325.6	0.5
>0.5 (Large)	274.2	7.86

### 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)	27.9	9.97
10.0-20.0 (Medium)	0.1	12.3
>20.0 (Large)	None	None

## 9 Distance violation analysis ⓘ

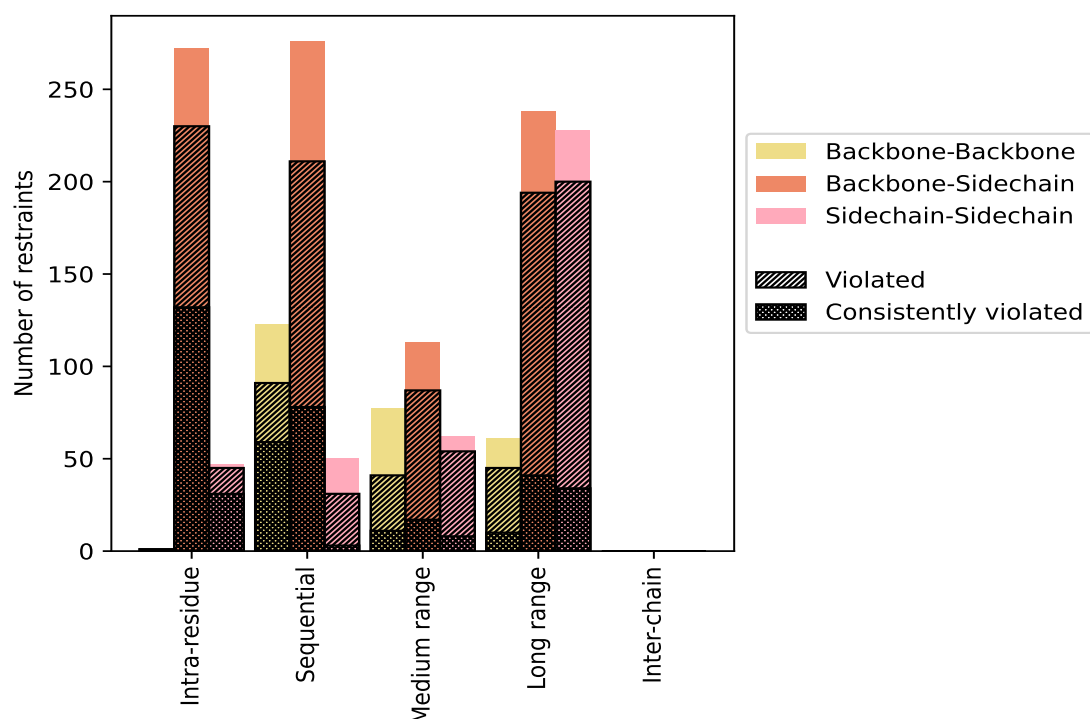
### 9.1 Summary of distance violations ⓘ

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

Restrains type	Count	% <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>
<a href="#">Intra-residue ( i-j =0)</a>	<a href="#">320</a>	<a href="#">20.7</a>	<a href="#">276</a>	<a href="#">86.2</a>	<a href="#">17.8</a>	<a href="#">164</a>	<a href="#">51.2</a>	<a href="#">10.6</a>
Backbone-Backbone	1	0.1	1	100.0	0.1	1	100.0	0.1
Backbone-Sidechain	272	17.6	230	84.6	14.9	132	48.5	8.5
Sidechain-Sidechain	47	3.0	45	95.7	2.9	31	66.0	2.0
<a href="#">Sequential ( i-j =1)</a>	<a href="#">449</a>	<a href="#">29.0</a>	<a href="#">333</a>	<a href="#">74.2</a>	<a href="#">21.5</a>	<a href="#">140</a>	<a href="#">31.2</a>	<a href="#">9.0</a>
Backbone-Backbone	123	7.9	91	74.0	5.9	59	48.0	3.8
Backbone-Sidechain	276	17.8	211	76.4	13.6	78	28.3	5.0
Sidechain-Sidechain	50	3.2	31	62.0	2.0	3	6.0	0.2
<a href="#">Medium range ( i-j &gt;1 &amp;  i-j &lt;5)</a>	<a href="#">252</a>	<a href="#">16.3</a>	<a href="#">182</a>	<a href="#">72.2</a>	<a href="#">11.8</a>	<a href="#">36</a>	<a href="#">14.3</a>	<a href="#">2.3</a>
Backbone-Backbone	77	5.0	41	53.2	2.6	11	14.3	0.7
Backbone-Sidechain	113	7.3	87	77.0	5.6	17	15.0	1.1
Sidechain-Sidechain	62	4.0	54	87.1	3.5	8	12.9	0.5
<a href="#">Long range ( i-j ≥5)</a>	<a href="#">527</a>	<a href="#">34.0</a>	<a href="#">439</a>	<a href="#">83.3</a>	<a href="#">28.4</a>	<a href="#">85</a>	<a href="#">16.1</a>	<a href="#">5.5</a>
Backbone-Backbone	61	3.9	45	73.8	2.9	10	16.4	0.6
Backbone-Sidechain	238	15.4	194	81.5	12.5	41	17.2	2.6
Sidechain-Sidechain	228	14.7	200	87.7	12.9	34	14.9	2.2
<a href="#">Inter-chain</a>	<a href="#">0</a>	<a href="#">0.0</a>	<a href="#">0</a>	<a href="#">0.0</a>	<a href="#">0.0</a>	<a href="#">0</a>	<a href="#">0.0</a>	<a href="#">0.0</a>
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
<a href="#">Hydrogen bond</a>	<a href="#">0</a>	<a href="#">0.0</a>	<a href="#">0</a>	<a href="#">0.0</a>	<a href="#">0.0</a>	<a href="#">0</a>	<a href="#">0.0</a>	<a href="#">0.0</a>
<a href="#">Disulfide bond</a>	<a href="#">0</a>	<a href="#">0.0</a>	<a href="#">0</a>	<a href="#">0.0</a>	<a href="#">0.0</a>	<a href="#">0</a>	<a href="#">0.0</a>	<a href="#">0.0</a>
<a href="#">Total</a>	<a href="#">1548</a>	<a href="#">100.0</a>	<a href="#">1230</a>	<a href="#">79.5</a>	<a href="#">79.5</a>	<a href="#">425</a>	<a href="#">27.5</a>	<a href="#">27.5</a>
Backbone-Backbone	262	16.9	178	67.9	11.5	81	30.9	5.2
Backbone-Sidechain	899	58.1	722	80.3	46.6	268	29.8	17.3
Sidechain-Sidechain	387	25.0	330	85.3	21.3	76	19.6	4.9

<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 disulfied bonds are counted in their appropriate category on the x-axis

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

The following table provides the distance violation statistics for each model in the ensemble. Violations less than 0.1 Å are not included in the statistics.

Model ID	Number of violations						Mean (Å)	Max (Å)	SD <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	225	225	90	232	0	772	0.59	4.31	0.56	0.36
2	221	226	90	232	0	769	0.6	4.58	0.61	0.35
3	231	224	94	237	0	786	0.6	5.38	0.62	0.35
4	226	226	90	256	0	798	0.6	4.74	0.59	0.36
5	223	225	97	255	0	800	0.58	4.31	0.56	0.34
6	223	228	106	253	0	810	0.56	4.4	0.54	0.33
7	225	222	101	261	0	809	0.58	5.45	0.6	0.34
8	226	220	92	241	0	779	0.59	4.56	0.56	0.36
9	220	237	94	244	0	795	0.57	5.48	0.55	0.34
10	219	233	88	244	0	784	0.59	5.34	0.59	0.34

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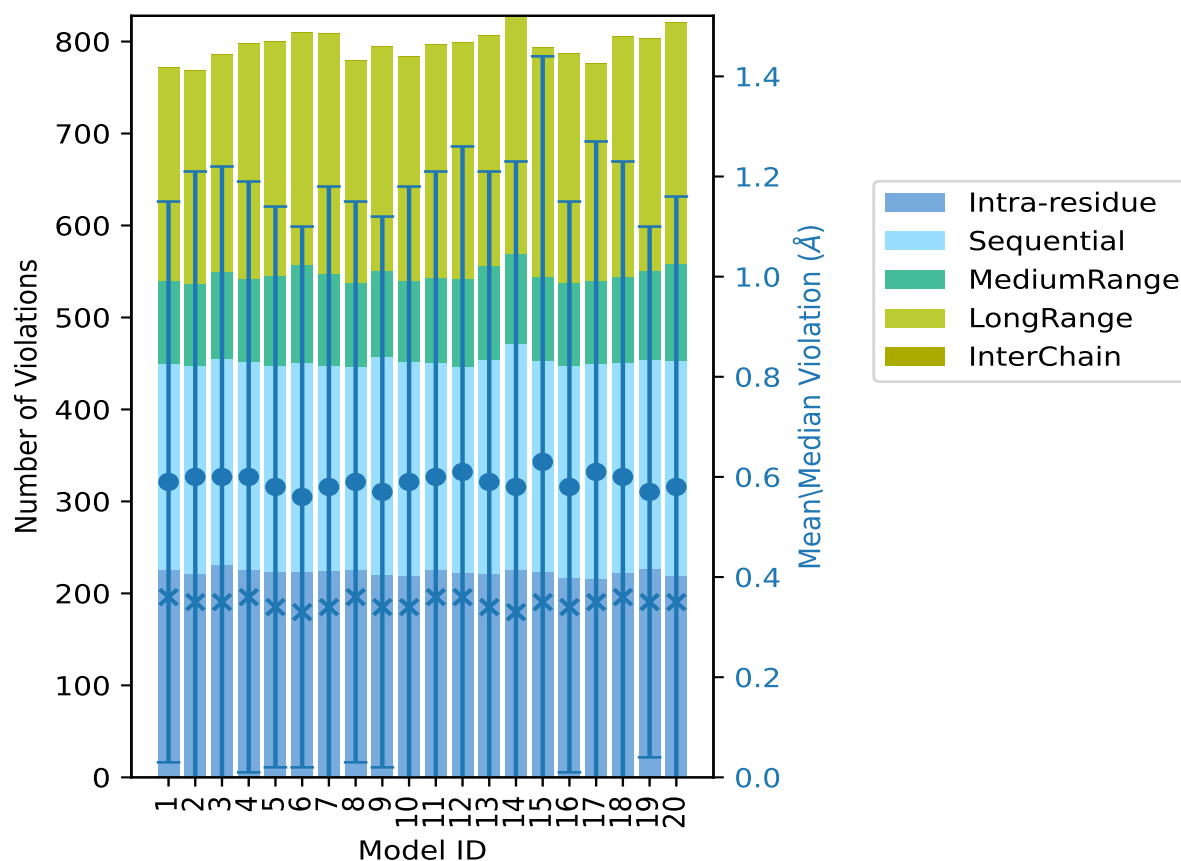
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total				
11	225	226	92	254	0	797	0.6	5.87	0.61	0.36
12	222	225	95	257	0	799	0.61	5.29	0.65	0.36
13	221	233	102	251	0	807	0.59	5.68	0.62	0.34
14	226	246	97	259	0	828	0.58	5.54	0.65	0.33
15	223	230	92	248	0	793	0.63	7.86	0.81	0.35
16	217	230	90	250	0	787	0.58	5.2	0.57	0.34
17	216	234	90	236	0	776	0.61	5.9	0.66	0.35
18	222	229	94	261	0	806	0.6	4.98	0.63	0.36
19	227	227	97	252	0	803	0.57	4.22	0.53	0.35
20	219	234	105	263	0	821	0.58	4.38	0.58	0.35

<sup>1</sup>Intra-residue restraints, <sup>2</sup>Sequential restraints, <sup>3</sup>Medium range restraints, <sup>4</sup>Long range restraints,

<sup>5</sup>Inter-chain restraints, <sup>6</sup>Standard deviation

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



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

### 9.3 Distance violation statistics for the ensemble

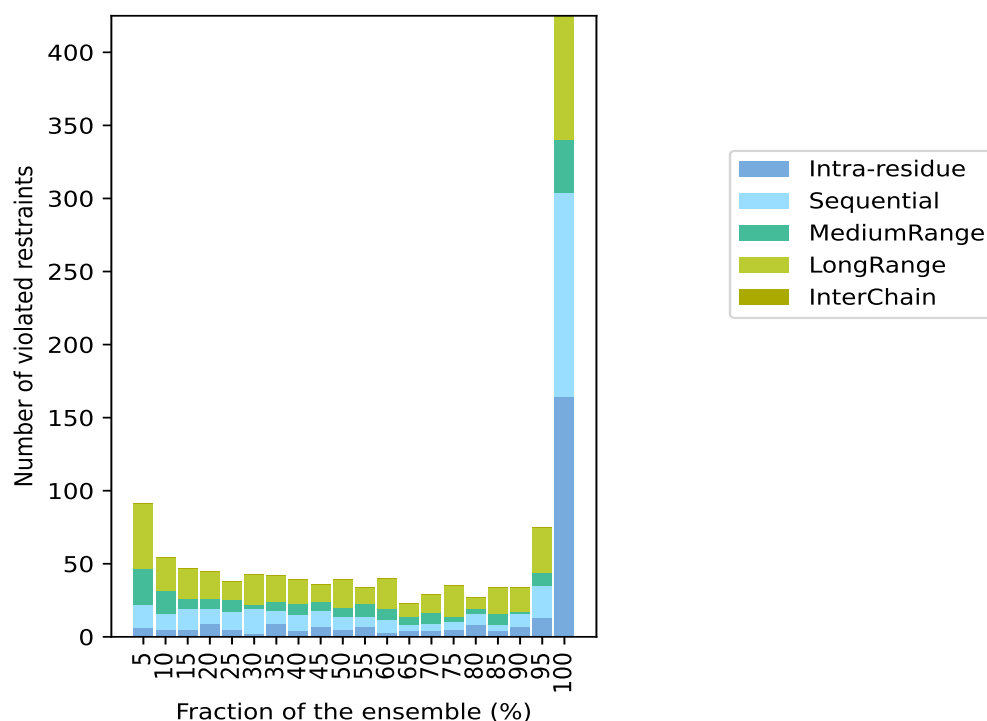
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 318(IR:44, SQ:116, MR:70, LR:88, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total	Count <sup>6</sup>	%
6	16	25	44	0	91	1	5.0
5	11	16	22	0	54	2	10.0
5	14	7	21	0	47	3	15.0
9	10	7	19	0	45	4	20.0
5	12	8	13	0	38	5	25.0
2	17	3	21	0	43	6	30.0
9	9	6	18	0	42	7	35.0
4	11	8	16	0	39	8	40.0
7	11	6	12	0	36	9	45.0
5	9	6	19	0	39	10	50.0
7	7	9	11	0	34	11	55.0
3	9	7	21	0	40	12	60.0
4	4	6	9	0	23	13	65.0
4	5	7	13	0	29	14	70.0
5	5	4	21	0	35	15	75.0
8	8	3	8	0	27	16	80.0
4	4	8	18	0	34	17	85.0
7	9	1	17	0	34	18	90.0
13	22	9	31	0	75	19	95.0
164	140	36	85	0	425	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](#)

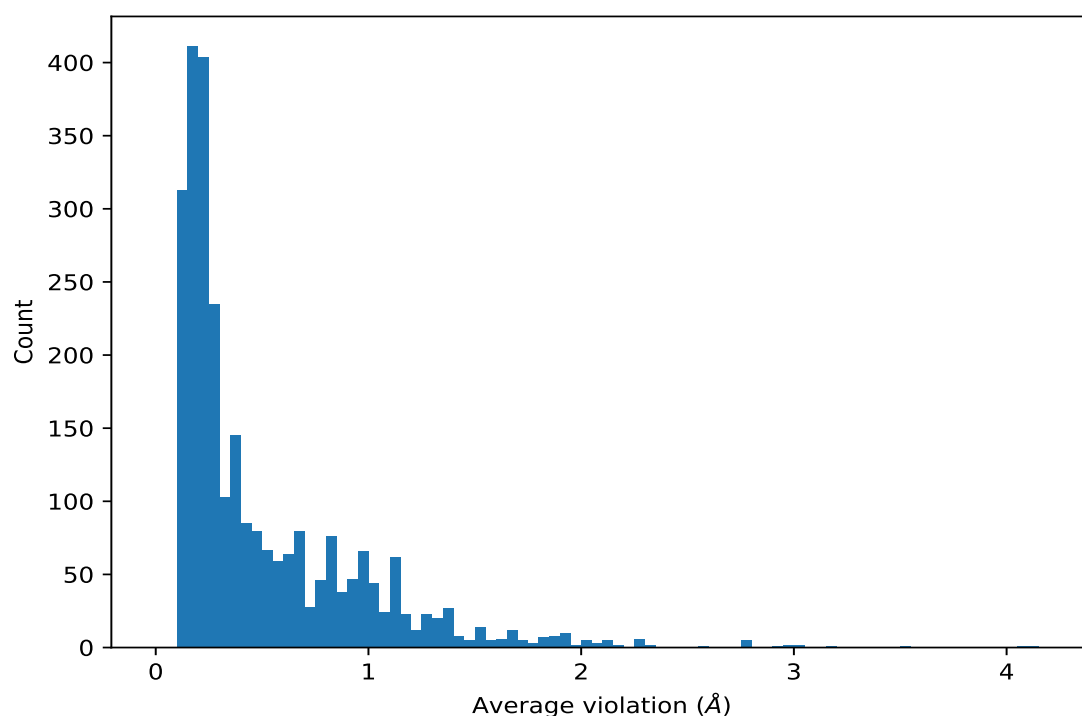


## 9.4 Most violated distance restraints in the ensemble [i](#)

### 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)
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	20	4.14	0.36	4.06
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	20	4.09	0.84	3.78
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	20	3.51	1.46	3.74
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	20	2.97	0.13	3.0
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	20	2.97	0.13	3.0
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	20	2.8	0.28	2.81
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	20	2.8	0.28	2.81
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	20	2.8	0.28	2.81
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	20	2.32	0.24	2.44
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	20	2.32	0.24	2.44
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	20	2.3	0.24	2.24
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	20	2.3	0.24	2.24
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	20	2.3	0.24	2.24
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	20	2.3	0.24	2.24
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	20	2.3	0.24	2.24
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	20	2.3	0.24	2.24

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	20	2.18	0.36	2.08
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	20	2.18	0.36	2.08
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	20	2.11	0.06	2.11
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	20	2.11	0.06	2.11
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	20	2.11	0.06	2.11
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	20	2.11	0.25	2.13
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	20	2.09	0.22	2.1
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	20	2.09	0.22	2.1
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	20	2.09	0.22	2.1
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	20	2.03	0.4	1.92
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	20	2.03	0.4	1.92
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	20	1.98	0.23	1.9
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	20	1.98	0.23	1.9
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	20	1.95	0.04	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	20	1.95	0.04	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	20	1.95	0.04	1.94
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	20	1.92	0.1	1.92
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	20	1.91	0.16	1.95
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	20	1.91	0.16	1.95
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	20	1.91	0.16	1.95
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	20	1.91	0.16	1.95
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	20	1.91	0.16	1.95
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	20	1.91	0.16	1.95
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	20	1.9	0.28	1.96
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	20	1.9	0.28	1.96
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	20	1.9	0.28	1.96
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	20	1.88	0.22	1.84
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	20	1.88	0.22	1.84
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	20	1.88	0.22	1.84
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	20	1.85	0.23	1.86
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	20	1.85	0.23	1.86
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	20	1.84	0.36	1.96
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	20	1.84	0.19	1.85
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	20	1.83	0.15	1.82
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	20	1.83	0.15	1.82
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	20	1.83	0.15	1.82
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	20	1.76	0.16	1.73
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	20	1.76	0.16	1.73
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	20	1.76	0.16	1.73
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	20	1.74	0.39	1.85
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	20	1.74	0.39	1.85
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	20	1.73	0.23	1.69

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	20	1.7	0.55	1.46
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	20	1.7	0.55	1.46
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	20	1.69	0.11	1.66
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	20	1.69	0.28	1.79
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	20	1.69	0.28	1.79
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	20	1.66	0.24	1.58
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	20	1.65	0.06	1.63
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	20	1.6	0.18	1.6
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	20	1.6	0.18	1.6
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	20	1.59	0.39	1.71
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	20	1.59	0.39	1.71
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	20	1.59	0.39	1.71
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	20	1.57	0.71	1.99
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	20	1.57	0.71	1.99
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	20	1.54	0.13	1.52
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	20	1.54	0.13	1.52
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	20	1.54	0.13	1.52
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	20	1.54	0.13	1.52
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	20	1.54	0.13	1.52
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	20	1.54	0.13	1.52
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	20	1.54	0.13	1.52
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	20	1.54	0.13	1.52
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	20	1.54	0.13	1.52
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	20	1.52	0.53	1.64
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	20	1.52	0.53	1.64
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	20	1.52	0.53	1.64
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	20	1.52	0.22	1.56
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	20	1.52	0.22	1.56
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	20	1.48	0.03	1.49
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	20	1.47	0.59	1.6
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	20	1.47	0.28	1.48
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	20	1.46	0.14	1.44
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	20	1.45	0.1	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	20	1.45	0.03	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	20	1.45	0.03	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	20	1.45	0.03	1.46
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	20	1.41	0.17	1.46
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	20	1.41	0.17	1.46
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	20	1.41	0.17	1.46
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	20	1.41	0.08	1.42
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	20	1.4	0.05	1.4
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	20	1.4	0.05	1.4

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	20	1.4	0.05	1.4
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	20	1.39	0.22	1.38
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	20	1.39	0.22	1.38
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	20	1.38	0.24	1.44
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	20	1.37	0.37	1.46
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	20	1.37	0.37	1.46
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	20	1.36	0.25	1.44
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	20	1.36	0.25	1.44
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	20	1.36	0.25	1.44
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	20	1.36	0.04	1.36
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	20	1.36	0.37	1.33
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	20	1.35	0.07	1.36
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	20	1.35	0.07	1.36
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	20	1.35	0.07	1.36
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	20	1.35	0.63	1.67
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	20	1.35	0.63	1.67
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	20	1.35	0.37	1.18
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	20	1.35	0.37	1.18
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	20	1.35	0.37	1.18
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	20	1.34	0.39	1.11
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	20	1.34	0.39	1.11
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	20	1.34	0.61	1.52
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	20	1.34	0.61	1.52
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	20	1.34	0.61	1.52
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	20	1.33	0.09	1.33
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	20	1.33	0.09	1.33
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	20	1.33	0.53	1.58
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	20	1.33	0.53	1.58
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	20	1.31	0.06	1.3
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	20	1.31	0.06	1.3
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	20	1.31	0.06	1.3
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	20	1.31	0.05	1.31
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	20	1.31	0.05	1.31
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	20	1.31	0.05	1.31
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	20	1.31	0.05	1.31
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	20	1.31	0.05	1.31
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	20	1.31	0.05	1.31
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	20	1.31	0.05	1.31
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	20	1.31	0.05	1.31
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	20	1.29	0.09	1.3
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	20	1.29	0.09	1.3
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	20	1.29	0.09	1.3

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	20	1.29	0.09	1.3
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	20	1.29	0.09	1.3
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	20	1.29	0.09	1.3
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	20	1.27	0.2	1.3
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	20	1.26	0.16	1.25
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	20	1.26	0.16	1.25
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	20	1.26	0.16	1.25
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	20	1.26	0.16	1.25
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	20	1.26	0.16	1.25
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	20	1.26	0.16	1.25
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	20	1.26	0.16	1.25
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	20	1.26	0.16	1.25
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	20	1.26	0.16	1.25
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	20	1.23	0.69	1.73
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	20	1.23	0.69	1.73
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	20	1.23	0.69	1.73
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	20	1.23	0.37	1.45
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	20	1.23	0.37	1.45
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	20	1.23	0.07	1.26
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	20	1.23	0.07	1.26
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	20	1.23	0.07	1.26
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	20	1.23	0.74	1.02
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	20	1.23	0.74	1.02
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	20	1.19	0.22	1.15
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	20	1.19	0.22	1.15
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	20	1.19	0.2	1.19
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	20	1.18	0.05	1.18
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	20	1.18	0.05	1.18
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	20	1.18	0.05	1.18
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	20	1.17	0.24	1.18
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	20	1.17	0.24	1.18
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	20	1.17	0.24	1.18
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	20	1.17	0.4	1.27
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	20	1.16	0.1	1.17
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	20	1.16	0.1	1.17
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	20	1.16	0.12	1.19
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	20	1.16	0.12	1.19
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	20	1.16	0.12	1.19
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	20	1.16	0.32	1.27
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	20	1.16	0.32	1.27
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	20	1.16	0.32	1.27
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	20	1.15	0.08	1.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	20	1.15	0.08	1.14
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	20	1.15	0.08	1.14
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	20	1.14	0.55	1.35
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	20	1.14	0.55	1.35
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	20	1.14	0.24	1.23
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	20	1.14	0.24	1.23
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	20	1.14	0.03	1.13
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	20	1.13	0.27	1.14
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	20	1.13	0.27	1.14
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	20	1.13	0.27	1.14
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	20	1.13	0.2	1.21
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	20	1.13	0.2	1.21
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	20	1.12	0.18	1.06
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	20	1.12	0.18	1.06
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	20	1.12	0.18	1.06
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	20	1.12	0.18	1.06
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	20	1.12	0.18	1.06
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	20	1.12	0.18	1.06
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	20	1.11	0.15	1.06
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	20	1.11	0.15	1.06
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	20	1.11	0.49	1.09
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	20	1.11	0.49	1.09
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	20	1.11	0.49	1.09
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	20	1.11	0.82	0.43
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	20	1.11	0.82	0.43
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	20	1.1	0.04	1.1

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	20	1.1	0.04	1.1
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	20	1.1	0.04	1.1
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	20	1.09	0.19	1.1
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	20	1.09	0.19	1.1
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	20	1.09	0.19	1.1
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	20	1.09	0.19	1.1
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	20	1.09	0.19	1.1
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	20	1.09	0.19	1.1
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	20	1.09	0.19	1.1
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	20	1.09	0.19	1.1
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	20	1.09	0.19	1.1
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	20	1.06	0.06	1.06
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	20	1.06	0.06	1.06
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	20	1.06	0.06	1.06
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	20	1.05	0.11	1.08
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	20	1.04	0.17	1.04
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	20	1.04	0.06	1.05
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	20	1.04	0.06	1.05
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	20	1.04	0.06	1.05
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	20	1.04	0.19	0.98
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	20	1.04	0.19	0.98
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	20	1.04	0.19	0.98
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	20	1.03	0.05	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	20	1.03	0.05	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	20	1.03	0.05	1.02
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	20	1.03	0.16	1.0
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	20	1.03	0.16	1.0
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	20	1.03	0.16	1.0
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	20	1.02	0.06	1.04
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	20	1.02	0.06	1.04
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	20	1.02	0.06	1.04
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	20	1.02	0.09	1.01
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	20	1.02	0.09	1.01
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	20	1.02	0.09	1.01
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	20	1.01	0.05	1.02
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	20	1.01	0.05	1.02
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	20	1.01	0.05	1.02
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	20	1.01	0.21	1.02
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	20	1.01	0.21	1.02
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	20	1.01	0.21	1.02
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	20	1.01	0.21	1.02
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	20	1.01	0.21	1.02

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	20	1.01	0.21	1.02
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	20	1.01	0.21	1.02
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	20	1.01	0.21	1.02
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	20	1.01	0.21	1.02
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	20	1.01	0.05	1.02
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	20	1.0	0.24	1.02
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	20	1.0	0.24	1.02
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	20	0.99	0.26	1.17
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	20	0.99	0.26	1.17
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	20	0.99	0.26	1.17
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	20	0.99	0.26	1.17
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	20	0.99	0.41	1.2
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	20	0.99	0.41	1.2
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	20	0.99	0.41	1.2
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	20	0.99	0.41	1.2
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	20	0.99	0.41	1.2
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	20	0.99	0.41	1.2
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	20	0.99	0.44	1.16
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	20	0.99	0.44	1.16
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	20	0.99	0.44	1.16
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	20	0.98	0.3	0.97
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	20	0.98	0.3	0.97
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	20	0.98	0.3	0.97
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	20	0.97	0.03	0.96
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	20	0.97	0.03	0.96
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	20	0.97	0.03	0.96
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	20	0.97	0.16	1.01
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	20	0.96	0.28	0.88
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	20	0.96	0.28	0.88
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	20	0.96	0.28	0.88
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	20	0.96	0.28	0.88
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	20	0.96	0.28	0.88
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	20	0.96	0.28	0.88
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	20	0.96	0.28	0.88
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	20	0.96	0.28	0.88
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	20	0.96	0.28	0.88
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	20	0.96	0.22	0.95
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	20	0.96	0.22	0.95
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	20	0.96	0.22	0.95
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	20	0.96	0.22	1.01
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	20	0.96	0.22	1.01
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	20	0.96	0.06	0.97

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	20	0.96	0.02	0.96
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	20	0.96	0.02	0.96
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	20	0.96	0.3	1.04
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	20	0.96	0.3	1.04
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	20	0.96	0.3	1.04
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	20	0.96	0.3	1.04
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	20	0.96	0.3	1.04
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	20	0.96	0.3	1.04
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	20	0.96	0.91	0.42
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	20	0.96	0.08	0.98
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	20	0.96	0.08	0.98
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	20	0.96	0.08	0.98
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	20	0.95	0.33	1.04
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	20	0.95	0.33	1.04
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	20	0.95	0.33	1.04
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	20	0.95	0.33	1.04
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	20	0.95	0.33	1.04
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	20	0.95	0.33	1.04
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	20	0.95	0.17	1.02
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	20	0.95	0.05	0.94
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	20	0.95	0.05	0.94
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	20	0.95	0.05	0.94
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	20	0.94	0.1	0.94
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	20	0.94	0.1	0.94
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	20	0.94	0.1	0.94
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	20	0.94	0.53	1.18
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	20	0.94	0.26	0.99
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	20	0.94	0.45	1.09
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	20	0.94	0.22	0.93
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	20	0.92	0.25	1.0
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	20	0.92	0.53	1.21
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	20	0.92	0.53	1.21
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	20	0.92	0.09	0.92
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	20	0.92	0.09	0.92
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	20	0.92	0.09	0.92
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	20	0.91	0.2	0.92
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	20	0.91	0.2	0.92
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	20	0.91	0.2	0.92
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	20	0.9	0.26	0.93
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	20	0.9	0.26	0.93
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	20	0.9	0.26	0.93
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	20	0.9	0.26	0.93

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	20	0.9	0.26	0.93
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	20	0.9	0.26	0.93
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	20	0.9	0.71	0.4
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	20	0.9	0.71	0.4
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	20	0.9	0.44	0.99
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	20	0.89	0.04	0.89
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	20	0.89	0.09	0.92
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	20	0.89	0.09	0.92
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	20	0.89	0.09	0.92
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	20	0.89	0.28	1.05
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	20	0.89	0.28	1.05
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	20	0.89	0.6	0.94
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	20	0.89	0.35	1.04
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	20	0.88	0.23	0.89
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	20	0.88	0.23	0.89
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	20	0.88	0.23	0.89
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	20	0.88	0.22	0.9
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	20	0.88	0.22	0.9
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	20	0.88	0.22	0.9
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	20	0.88	0.32	0.93
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	20	0.88	0.32	0.93
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	20	0.88	0.32	0.93
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	20	0.88	0.32	0.93
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	20	0.88	0.32	0.93
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	20	0.88	0.32	0.93
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	20	0.88	0.32	0.93
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	20	0.88	0.32	0.93
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	20	0.88	0.32	0.93
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	20	0.87	0.1	0.88
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	20	0.87	0.1	0.88
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	20	0.87	0.1	0.88
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	20	0.87	0.5	1.04
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	20	0.87	0.5	1.04
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	20	0.86	0.03	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	20	0.86	0.03	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	20	0.86	0.03	0.86
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	20	0.85	0.14	0.84
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	20	0.85	0.14	0.84
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	20	0.85	0.14	0.84
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	20	0.85	0.14	0.84
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	20	0.85	0.14	0.84
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	20	0.85	0.14	0.84

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	20	0.85	0.05	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	20	0.85	0.05	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	20	0.85	0.05	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	20	0.85	0.05	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	20	0.85	0.05	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	20	0.85	0.05	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	20	0.85	0.05	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	20	0.85	0.05	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	20	0.85	0.05	0.86
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	20	0.85	0.1	0.87
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	20	0.85	0.1	0.84
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	20	0.85	0.1	0.84
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	20	0.85	0.1	0.84
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	20	0.85	0.2	0.82
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	20	0.85	0.2	0.82
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	20	0.84	0.21	0.84
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	20	0.84	0.21	0.84
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	20	0.84	0.33	0.88
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	20	0.84	0.33	0.88
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	20	0.84	0.33	0.88
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	20	0.84	0.33	0.88
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	20	0.84	0.33	0.88
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	20	0.84	0.33	0.88
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	20	0.84	0.1	0.86
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	20	0.84	0.1	0.86
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	20	0.84	0.1	0.86
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	20	0.83	0.48	0.58
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	20	0.83	0.48	0.58
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	20	0.83	0.04	0.84
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	20	0.83	0.25	0.97
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	20	0.82	0.41	0.96
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	20	0.82	0.2	0.84
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	20	0.82	0.2	0.84
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	20	0.82	0.04	0.82
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	20	0.82	0.3	0.86
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	20	0.82	0.3	0.86
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	20	0.82	0.3	0.86
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	20	0.81	0.05	0.82
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	20	0.81	0.05	0.82
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	20	0.81	0.05	0.82
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	20	0.81	0.34	0.75
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	20	0.8	0.18	0.8

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	20	0.8	0.14	0.85
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	20	0.8	0.14	0.85
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	20	0.8	0.17	0.84
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	20	0.79	0.7	0.35
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	20	0.79	0.31	0.78
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	20	0.79	0.31	0.78
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	20	0.79	0.31	0.78
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	20	0.79	0.36	0.88
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	20	0.79	0.36	0.88
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	20	0.78	0.13	0.8
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	20	0.78	0.13	0.8
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	20	0.77	0.16	0.81
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	20	0.77	0.16	0.81
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	20	0.77	0.16	0.81
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	20	0.77	0.19	0.82
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	20	0.77	0.18	0.83
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	20	0.77	0.18	0.83
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	20	0.77	0.18	0.83
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	20	0.77	0.63	0.33
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	20	0.76	0.19	0.79
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	20	0.76	0.03	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	20	0.76	0.03	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	20	0.76	0.03	0.76
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	20	0.76	0.24	0.88
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	20	0.76	0.24	0.88
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	20	0.76	0.24	0.88
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	20	0.76	0.37	0.76
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	20	0.76	0.37	0.76
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	20	0.76	0.37	0.76
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	20	0.75	0.17	0.7
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	20	0.75	0.17	0.7
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	20	0.75	0.17	0.7
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	20	0.75	0.25	0.76
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	20	0.75	0.25	0.76
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	20	0.75	0.25	0.76
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	20	0.75	0.16	0.73
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	20	0.74	0.16	0.79
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	20	0.74	0.16	0.79
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	20	0.74	0.16	0.79
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	20	0.74	0.42	0.62
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	20	0.73	0.25	0.74
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	20	0.73	0.25	0.74

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	20	0.72	0.47	0.44
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	20	0.72	0.29	0.78
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	20	0.72	0.07	0.74
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	20	0.72	0.07	0.74
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	20	0.72	0.07	0.74
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	20	0.72	0.07	0.72
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	20	0.72	0.3	0.55
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	20	0.71	0.42	0.51
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	20	0.71	0.42	0.51
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	20	0.69	0.27	0.62
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	20	0.69	0.27	0.62
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	20	0.69	0.27	0.62
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	20	0.68	0.21	0.67
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	20	0.68	0.21	0.67
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	20	0.68	0.04	0.69
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	20	0.68	0.04	0.69
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	20	0.68	0.36	0.47
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	20	0.68	0.36	0.47
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	20	0.68	0.36	0.47
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	20	0.68	0.36	0.47
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	20	0.68	0.36	0.47
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	20	0.68	0.36	0.47
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	20	0.68	0.36	0.47
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	20	0.68	0.36	0.47
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	20	0.68	0.36	0.47
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	20	0.68	0.25	0.58
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	20	0.68	0.25	0.58
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	20	0.68	0.16	0.64
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	20	0.67	0.22	0.74
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	20	0.67	0.22	0.74
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	20	0.67	0.45	0.6
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	20	0.67	0.45	0.6
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	20	0.67	0.45	0.6
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	20	0.67	0.27	0.64
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	20	0.67	0.27	0.64
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	20	0.67	0.27	0.64
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	20	0.66	0.31	0.54
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	20	0.66	0.17	0.72
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	20	0.66	0.17	0.72
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	20	0.66	0.17	0.72
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	20	0.66	0.15	0.7
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	20	0.66	0.15	0.7

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	20	0.66	0.15	0.7
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	20	0.65	0.2	0.61
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	20	0.65	0.2	0.61
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	20	0.65	0.2	0.61
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	20	0.65	0.2	0.61
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	20	0.65	0.34	0.51
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	20	0.65	0.16	0.6
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	20	0.65	0.16	0.6
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	20	0.65	0.16	0.6
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	20	0.65	0.15	0.6
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	20	0.65	0.15	0.6
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	20	0.65	0.15	0.6
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	20	0.65	0.37	0.74
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	20	0.65	0.37	0.74
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	20	0.65	0.37	0.74
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	20	0.64	0.13	0.69
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	20	0.64	0.1	0.66
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	20	0.64	0.13	0.64
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	20	0.64	0.13	0.64
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	20	0.64	0.13	0.64
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	20	0.64	0.32	0.54
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	20	0.64	0.25	0.65
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	20	0.63	0.04	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	20	0.62	0.03	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	20	0.62	0.03	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	20	0.62	0.03	0.62
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	20	0.62	0.17	0.64
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	20	0.62	0.33	0.48
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	20	0.62	0.33	0.48
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	20	0.62	0.33	0.48
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	20	0.62	0.22	0.66
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	20	0.61	0.08	0.6
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	20	0.61	0.08	0.6
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	20	0.61	0.08	0.6
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	20	0.61	0.27	0.45
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	20	0.61	0.27	0.45
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	20	0.61	0.27	0.45
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	20	0.61	0.27	0.45
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	20	0.61	0.27	0.45
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	20	0.61	0.27	0.45
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	20	0.61	0.4	0.38
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	20	0.6	0.11	0.63

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	20	0.6	0.13	0.59
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	20	0.6	0.13	0.59
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	20	0.6	0.3	0.66
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	20	0.6	0.09	0.63
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	20	0.59	0.11	0.59
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	20	0.59	0.26	0.5
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	20	0.59	0.26	0.5
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	20	0.59	0.26	0.5
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	20	0.59	0.26	0.5
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	20	0.59	0.26	0.5
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	20	0.59	0.26	0.5
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	20	0.58	0.36	0.4
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	20	0.58	0.36	0.4
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	20	0.58	0.36	0.4
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	20	0.58	0.17	0.58
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	20	0.58	0.17	0.58
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	20	0.58	0.17	0.58
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	20	0.57	0.26	0.46
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	20	0.57	0.26	0.46
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	20	0.57	0.25	0.51
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	20	0.57	0.25	0.51
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	20	0.57	0.25	0.51
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	20	0.57	0.27	0.46
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	20	0.57	0.27	0.46
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	20	0.56	0.19	0.62
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	20	0.56	0.19	0.62
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	20	0.56	0.19	0.62
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	20	0.56	0.34	0.57
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	20	0.56	0.34	0.57
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	20	0.56	0.34	0.57
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	20	0.56	0.34	0.57
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	20	0.56	0.34	0.57
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	20	0.56	0.34	0.57
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	20	0.56	0.36	0.48
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	20	0.56	0.36	0.48
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	20	0.56	0.36	0.48
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	20	0.56	0.36	0.48
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	20	0.56	0.36	0.48
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	20	0.56	0.36	0.48
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	20	0.56	0.36	0.48
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	20	0.56	0.36	0.48
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	20	0.56	0.36	0.48

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	20	0.55	0.13	0.59
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	20	0.55	0.13	0.59
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	20	0.55	0.09	0.58
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	20	0.54	0.17	0.57
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	20	0.54	0.17	0.57
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	20	0.54	0.13	0.54
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	20	0.54	0.13	0.54
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	20	0.54	0.13	0.54
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	20	0.54	0.06	0.56
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	20	0.54	0.12	0.48
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	20	0.53	0.15	0.48
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	20	0.53	0.29	0.42
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	20	0.53	0.29	0.42
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	20	0.53	0.29	0.42
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	20	0.53	0.24	0.46
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	20	0.52	0.11	0.48
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	20	0.52	0.3	0.38
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	20	0.52	0.3	0.38
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	20	0.52	0.09	0.49
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	20	0.52	0.09	0.49
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	20	0.52	0.16	0.46
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	20	0.52	0.16	0.46
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	20	0.52	0.16	0.46
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	20	0.52	0.23	0.42
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	20	0.52	0.23	0.42
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	20	0.51	0.23	0.43
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	20	0.51	0.14	0.51
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	20	0.51	0.05	0.5
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	20	0.51	0.05	0.5
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	20	0.51	0.05	0.5
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	20	0.51	0.05	0.5
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	20	0.51	0.19	0.39
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	20	0.51	0.19	0.39
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	20	0.51	0.19	0.39
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	20	0.51	0.19	0.39
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	20	0.51	0.19	0.39
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	20	0.51	0.19	0.39
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	20	0.5	0.19	0.38
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	20	0.5	0.21	0.41
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	20	0.5	0.21	0.41
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	20	0.5	0.21	0.41
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	20	0.5	0.13	0.46

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	20	0.5	0.13	0.46
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	20	0.5	0.13	0.46
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	20	0.5	0.13	0.46
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	20	0.5	0.13	0.46
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	20	0.5	0.13	0.46
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	20	0.49	0.08	0.48
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	20	0.49	0.27	0.34
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	20	0.49	0.09	0.44
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	20	0.48	0.16	0.42
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	20	0.48	0.17	0.42
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	20	0.47	0.14	0.47
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	20	0.47	0.14	0.47
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	20	0.47	0.14	0.47
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	20	0.47	0.08	0.46
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	20	0.47	0.08	0.46
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	20	0.47	0.08	0.46
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	20	0.47	0.08	0.46
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	20	0.47	0.08	0.46
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	20	0.47	0.08	0.46
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	20	0.47	0.08	0.46
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	20	0.47	0.08	0.46
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	20	0.47	0.08	0.46
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	20	0.47	0.08	0.46
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	20	0.47	0.17	0.41
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	20	0.47	0.2	0.4
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	20	0.47	0.2	0.4
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	20	0.47	0.2	0.4
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	20	0.46	0.25	0.34
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	20	0.46	0.25	0.34
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	20	0.46	0.25	0.34
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	20	0.46	0.11	0.43
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	20	0.46	0.16	0.45
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	20	0.46	0.04	0.46
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	20	0.46	0.04	0.46
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	20	0.46	0.04	0.46
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	20	0.46	0.06	0.44
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	20	0.45	0.43	0.32
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	20	0.44	0.03	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	20	0.44	0.03	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	20	0.44	0.03	0.45
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	20	0.44	0.23	0.41
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	20	0.44	0.23	0.41

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	20	0.44	0.23	0.41
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	20	0.44	0.12	0.4
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	20	0.44	0.03	0.44
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	20	0.44	0.03	0.44
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	20	0.44	0.03	0.44
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	20	0.43	0.14	0.4
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	20	0.43	0.49	0.22
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	20	0.43	0.49	0.22
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	20	0.43	0.08	0.43
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	20	0.43	0.08	0.43
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	20	0.43	0.18	0.4
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	20	0.43	0.18	0.4
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	20	0.43	0.18	0.4
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	20	0.43	0.02	0.43
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	20	0.42	0.06	0.42
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	20	0.42	0.25	0.34
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	20	0.42	0.25	0.34
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	20	0.42	0.01	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	20	0.42	0.01	0.42
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	20	0.42	0.23	0.33
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	20	0.42	0.23	0.33
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	20	0.42	0.05	0.43
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	20	0.42	0.05	0.43
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	20	0.42	0.05	0.43
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	20	0.41	0.05	0.41
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	20	0.41	0.16	0.34
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	20	0.41	0.16	0.34
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	20	0.41	0.16	0.34
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	20	0.41	0.08	0.4
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	20	0.41	0.13	0.4
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	20	0.4	0.04	0.4
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	20	0.4	0.08	0.42
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	20	0.4	0.08	0.42
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	20	0.4	0.15	0.37
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	20	0.4	0.15	0.37
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	20	0.4	0.05	0.4
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	20	0.4	0.03	0.4
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	20	0.4	0.1	0.37
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	20	0.4	0.1	0.37
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	20	0.4	0.1	0.37
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	20	0.4	0.08	0.41
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	20	0.4	0.08	0.41

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	20	0.4	0.07	0.38
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	20	0.4	0.09	0.37
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	20	0.4	0.09	0.37
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	20	0.4	0.09	0.37
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	20	0.39	0.09	0.38
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	20	0.39	0.09	0.38
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	20	0.39	0.09	0.38
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	20	0.39	0.14	0.44
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	20	0.39	0.14	0.44
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	20	0.39	0.07	0.41
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	20	0.39	0.03	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	20	0.39	0.03	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	20	0.39	0.03	0.38
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	20	0.39	0.18	0.34
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	20	0.39	0.04	0.39
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	20	0.39	0.04	0.39
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	20	0.39	0.22	0.32
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	20	0.39	0.22	0.32
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	20	0.38	0.22	0.32
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	20	0.38	0.04	0.38
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	20	0.38	0.04	0.38
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	20	0.38	0.04	0.38
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	20	0.38	0.03	0.37
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	20	0.38	0.04	0.38
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	20	0.38	0.26	0.26
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	20	0.38	0.15	0.34
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	20	0.38	0.15	0.34
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	20	0.38	0.15	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	20	0.38	0.15	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	20	0.38	0.15	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	20	0.38	0.15	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	20	0.38	0.15	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	20	0.38	0.15	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	20	0.38	0.15	0.34
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	20	0.38	0.05	0.37
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	20	0.37	0.02	0.37
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	20	0.37	0.02	0.37
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	20	0.37	0.02	0.37
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	20	0.37	0.02	0.37
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	20	0.37	0.16	0.31
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	20	0.37	0.16	0.31
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	20	0.37	0.16	0.31

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	20	0.37	0.06	0.38
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	20	0.37	0.04	0.38
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	20	0.37	0.17	0.34
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	20	0.37	0.29	0.3
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	20	0.37	0.29	0.3
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	20	0.37	0.29	0.3
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	20	0.37	0.02	0.37
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	20	0.36	0.03	0.36
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	20	0.36	0.03	0.36
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	20	0.36	0.03	0.36
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	20	0.36	0.04	0.36
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	20	0.36	0.04	0.36
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	20	0.36	0.07	0.36
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	20	0.36	0.07	0.36
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	20	0.36	0.07	0.36
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	20	0.36	0.05	0.36
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	20	0.36	0.08	0.38
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	20	0.36	0.04	0.36
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	20	0.36	0.04	0.36
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	20	0.35	0.07	0.34
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	20	0.35	0.02	0.35
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	20	0.35	0.16	0.32
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	20	0.35	0.05	0.35
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	20	0.35	0.05	0.34
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	20	0.34	0.03	0.35
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	20	0.34	0.06	0.35
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	20	0.34	0.12	0.33
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	20	0.34	0.08	0.34
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	20	0.34	0.08	0.34
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	20	0.34	0.08	0.34
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	20	0.34	0.04	0.34
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	20	0.34	0.07	0.35
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	20	0.34	0.11	0.36
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	20	0.34	0.11	0.36
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	20	0.33	0.16	0.31
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	20	0.33	0.04	0.34
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	20	0.33	0.04	0.34
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	20	0.33	0.04	0.34
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	20	0.33	0.06	0.32
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	20	0.32	0.1	0.29
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	20	0.32	0.1	0.29
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	20	0.32	0.1	0.29

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	20	0.32	0.1	0.29
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	20	0.32	0.06	0.32
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	20	0.32	0.1	0.35
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	20	0.32	0.01	0.32
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	20	0.32	0.07	0.32
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	20	0.32	0.07	0.32
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	20	0.32	0.04	0.32
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	20	0.32	0.13	0.31
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	20	0.31	0.03	0.31
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	20	0.31	0.08	0.31
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	20	0.31	0.08	0.32
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	20	0.31	0.08	0.32
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	20	0.31	0.08	0.32
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	20	0.31	0.12	0.27
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	20	0.31	0.12	0.27
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	20	0.31	0.03	0.31
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	20	0.31	0.06	0.3
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	20	0.31	0.07	0.32
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	20	0.31	0.04	0.3
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	20	0.3	0.05	0.3
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	20	0.3	0.14	0.28
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	20	0.3	0.08	0.32
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	20	0.3	0.11	0.27
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	20	0.3	0.11	0.27
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	20	0.3	0.03	0.3
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	20	0.3	0.03	0.3
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	20	0.3	0.03	0.3
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	20	0.3	0.08	0.3
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	20	0.3	0.08	0.3
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	20	0.3	0.03	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	20	0.3	0.03	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	20	0.3	0.03	0.29
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	20	0.3	0.04	0.29
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	20	0.29	0.07	0.3
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	20	0.29	0.07	0.3
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	20	0.29	0.07	0.3
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	20	0.29	0.07	0.3
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	20	0.29	0.07	0.3
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	20	0.29	0.07	0.3
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	20	0.29	0.07	0.3
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	20	0.29	0.07	0.3
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	20	0.29	0.07	0.3

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	20	0.29	0.06	0.29
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	20	0.28	0.05	0.26
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	20	0.28	0.1	0.26
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	20	0.28	0.1	0.26
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	20	0.28	0.1	0.26
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	20	0.28	0.06	0.29
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	20	0.28	0.05	0.28
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	20	0.28	0.05	0.28
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	20	0.28	0.05	0.28
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	20	0.28	0.04	0.28
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	20	0.27	0.06	0.27
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	20	0.27	0.06	0.27
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	20	0.27	0.06	0.27
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	20	0.27	0.07	0.26
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	20	0.27	0.03	0.28
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	20	0.26	0.07	0.28
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	20	0.26	0.04	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	20	0.26	0.04	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	20	0.26	0.04	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	20	0.26	0.04	0.26
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	20	0.26	0.06	0.27
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	20	0.26	0.05	0.27
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	20	0.26	0.05	0.26
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	20	0.26	0.05	0.26
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	20	0.26	0.05	0.26
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	20	0.26	0.08	0.26
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	20	0.26	0.08	0.26
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	20	0.26	0.08	0.26
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	20	0.26	0.08	0.27
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	20	0.25	0.06	0.25
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	20	0.25	0.06	0.26
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	20	0.25	0.06	0.26
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	20	0.25	0.06	0.26
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	20	0.25	0.1	0.24
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	20	0.25	0.1	0.24
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	20	0.25	0.05	0.24
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	20	0.25	0.05	0.24
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	20	0.25	0.05	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	20	0.25	0.02	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	20	0.25	0.02	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	20	0.25	0.02	0.24
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	20	0.25	0.12	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	20	0.25	0.12	0.22
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	20	0.25	0.12	0.22
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	20	0.25	0.12	0.22
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	20	0.25	0.12	0.22
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	20	0.25	0.12	0.22
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	20	0.25	0.1	0.22
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	20	0.25	0.1	0.22
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	20	0.25	0.1	0.22
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	20	0.25	0.06	0.23
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	20	0.24	0.06	0.26
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	20	0.24	0.05	0.26
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	20	0.24	0.08	0.26
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	20	0.24	0.09	0.2
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	20	0.24	0.04	0.24
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	20	0.24	0.06	0.22
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	20	0.24	0.04	0.22
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	20	0.23	0.05	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	20	0.23	0.02	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	20	0.23	0.02	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	20	0.23	0.02	0.23
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	20	0.23	0.06	0.24
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	20	0.23	0.04	0.22
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	20	0.23	0.04	0.22
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	20	0.23	0.04	0.22
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	20	0.23	0.03	0.23
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	20	0.23	0.03	0.22
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	20	0.23	0.03	0.22
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	20	0.23	0.03	0.22
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	20	0.22	0.06	0.23
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	20	0.22	0.06	0.22
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	20	0.22	0.06	0.22
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	20	0.22	0.06	0.22
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	20	0.22	0.06	0.22
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	20	0.22	0.06	0.22
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	20	0.22	0.02	0.22
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	20	0.22	0.06	0.24
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	20	0.22	0.06	0.24
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	20	0.22	0.06	0.24
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	20	0.22	0.06	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	20	0.22	0.01	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	20	0.22	0.01	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	20	0.22	0.01	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	20	0.22	0.04	0.22
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	20	0.22	0.05	0.22
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	20	0.21	0.04	0.22
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	20	0.21	0.04	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	20	0.21	0.04	0.2
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	20	0.21	0.05	0.22
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	20	0.21	0.06	0.21
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	20	0.21	0.06	0.21
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	20	0.21	0.03	0.21
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	20	0.21	0.06	0.21
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	20	0.2	0.07	0.2
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	20	0.2	0.05	0.2
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	20	0.2	0.06	0.18
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	20	0.2	0.06	0.18
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	20	0.19	0.05	0.18
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	20	0.19	0.05	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	20	0.19	0.03	0.19
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	20	0.19	0.03	0.19
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	20	0.19	0.03	0.19
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	20	0.19	0.05	0.18
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	20	0.19	0.04	0.18
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	20	0.18	0.03	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	20	0.18	0.03	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	20	0.18	0.03	0.17
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	20	0.14	0.02	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	20	0.14	0.02	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	20	0.14	0.02	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	20	0.14	0.02	0.14
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	19	3.19	1.59	3.03
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	19	3.02	1.29	2.94
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	19	3.0	1.75	2.68
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	19	2.93	1.56	2.86
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	19	1.25	0.18	1.32
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	19	1.22	0.54	1.46
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	19	1.15	0.62	1.56
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	19	1.15	0.62	1.56
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	19	1.15	0.62	1.56
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	19	1.15	0.62	1.56
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	19	1.15	0.62	1.56
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	19	1.15	0.62	1.56
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	19	1.15	0.62	1.56
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	19	1.15	0.62	1.56

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	19	1.15	0.62	1.56
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	19	1.1	0.37	1.26
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	19	1.1	0.37	1.26
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	19	1.1	0.37	1.26
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	19	1.06	0.57	1.36
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	19	1.06	0.57	1.36
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	19	1.06	0.57	1.36
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	19	1.05	0.53	1.26
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	19	1.05	0.53	1.26
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	19	0.98	0.59	1.1
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	19	0.98	0.59	1.1
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	19	0.93	0.32	1.04
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	19	0.93	0.32	1.04
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	19	0.93	0.32	1.04
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	19	0.91	0.49	1.07
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	19	0.91	0.21	1.0
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	19	0.9	0.24	0.95
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	19	0.85	0.3	0.86
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	19	0.85	0.3	0.86
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	19	0.85	0.3	0.86
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	19	0.85	0.3	0.86
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	19	0.83	0.52	1.19
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	19	0.83	0.52	1.19
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	19	0.76	0.32	0.85
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	19	0.76	0.32	0.85
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	19	0.76	0.32	0.85
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	19	0.74	0.62	0.33
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	19	0.74	0.62	0.33
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	19	0.74	0.62	0.33
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	19	0.65	0.32	0.52
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	19	0.63	0.3	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	19	0.63	0.3	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	19	0.63	0.3	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	19	0.63	0.3	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	19	0.63	0.3	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	19	0.63	0.3	0.72
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	19	0.57	0.25	0.48
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	19	0.57	0.25	0.48
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	19	0.57	0.25	0.48
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	19	0.56	0.11	0.58
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	19	0.56	0.11	0.58
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	19	0.48	0.2	0.5

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	19	0.48	0.19	0.5
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	19	0.48	0.19	0.5
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	19	0.48	0.19	0.5
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	19	0.48	0.19	0.5
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	19	0.45	0.33	0.27
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	19	0.45	0.33	0.27
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	19	0.45	0.33	0.27
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	19	0.44	0.29	0.34
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	19	0.42	0.3	0.3
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	19	0.38	0.03	0.38
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	19	0.38	0.03	0.38
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	19	0.37	0.15	0.36
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	19	0.37	0.09	0.38
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	19	0.37	0.09	0.38
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	19	0.37	0.09	0.38
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	19	0.37	0.34	0.21
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	19	0.37	0.34	0.21
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	19	0.37	0.34	0.21
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	19	0.37	0.12	0.41
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	19	0.36	0.23	0.26
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	19	0.36	0.23	0.26
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	19	0.36	0.1	0.37
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	19	0.33	0.14	0.35
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	19	0.33	0.14	0.35
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	19	0.33	0.14	0.35
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	19	0.33	0.14	0.35
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	19	0.33	0.14	0.35
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	19	0.33	0.14	0.35
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	19	0.33	0.06	0.34
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	19	0.32	0.11	0.3
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	19	0.3	0.28	0.19
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	19	0.3	0.05	0.31
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	19	0.29	0.07	0.29
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	19	0.28	0.05	0.28
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	19	0.28	0.08	0.28
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	19	0.27	0.05	0.27
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	19	0.26	0.15	0.22
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	19	0.26	0.07	0.27
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	19	0.26	0.07	0.27
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	19	0.26	0.07	0.27
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	19	0.26	0.07	0.27
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	19	0.26	0.07	0.27

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	19	0.26	0.07	0.27
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	19	0.26	0.05	0.25
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	19	0.26	0.09	0.24
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	19	0.26	0.09	0.24
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	19	0.26	0.09	0.24
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	19	0.25	0.1	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	19	0.25	0.1	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	19	0.25	0.1	0.19
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	19	0.25	0.07	0.27
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	19	0.25	0.07	0.27
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	19	0.25	0.07	0.27
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	19	0.24	0.06	0.25
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	19	0.24	0.06	0.25
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	19	0.24	0.06	0.25
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	19	0.24	0.06	0.25
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	19	0.24	0.05	0.25
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	19	0.24	0.05	0.25
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	19	0.23	0.09	0.25
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	19	0.23	0.09	0.21
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	19	0.23	0.09	0.21
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	19	0.23	0.09	0.21
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	19	0.23	0.06	0.23
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	19	0.23	0.08	0.22
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	19	0.22	0.08	0.19
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	19	0.22	0.08	0.19
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	19	0.22	0.08	0.19
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	19	0.22	0.05	0.21
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	19	0.22	0.05	0.21
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	19	0.22	0.05	0.21
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	19	0.22	0.05	0.21
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	19	0.21	0.07	0.21
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	19	0.21	0.06	0.21
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	19	0.21	0.06	0.21
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	19	0.21	0.05	0.2
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	19	0.21	0.05	0.2
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	19	0.2	0.06	0.2
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	19	0.2	0.06	0.19
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	19	0.2	0.06	0.19
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	19	0.2	0.07	0.18
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	19	0.2	0.07	0.18
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	19	0.2	0.07	0.18
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	19	0.19	0.05	0.19

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	19	0.19	0.04	0.2
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	19	0.18	0.06	0.18
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	19	0.17	0.04	0.16
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	19	0.17	0.04	0.16
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	19	0.17	0.04	0.16
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	19	0.17	0.05	0.15
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	19	0.17	0.05	0.15
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	19	0.17	0.04	0.16
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	19	0.17	0.04	0.16
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	19	0.17	0.04	0.16
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	19	0.16	0.03	0.15
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	19	0.13	0.02	0.13
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	18	2.77	1.69	2.45
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	18	2.56	1.56	2.36
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	18	2.03	0.18	2.0
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	18	2.03	0.18	2.0
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	18	1.81	0.4	1.9
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	18	1.81	0.4	1.9
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	18	0.87	0.63	0.89
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	18	0.87	0.63	0.89
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	18	0.87	0.63	0.89
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	18	0.76	0.13	0.8
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	18	0.7	0.47	0.45
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	18	0.7	0.47	0.45
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	18	0.7	0.47	0.45
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	18	0.7	0.47	0.45
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	18	0.7	0.47	0.45
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	18	0.7	0.47	0.45
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	18	0.63	0.3	0.56
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	18	0.63	0.3	0.56
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	18	0.63	0.3	0.56
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	18	0.57	0.13	0.62
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	18	0.46	0.3	0.4
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	18	0.46	0.3	0.4
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	18	0.37	0.32	0.22
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	18	0.37	0.32	0.22
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	18	0.36	0.16	0.32
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	18	0.36	0.16	0.32
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	18	0.3	0.07	0.32
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	18	0.29	0.16	0.22
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	18	0.29	0.16	0.22
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	18	0.28	0.07	0.29

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	18	0.28	0.07	0.29
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	18	0.28	0.07	0.29
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	18	0.28	0.06	0.3
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	18	0.26	0.09	0.27
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	18	0.26	0.09	0.27
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	18	0.26	0.09	0.27
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	18	0.24	0.05	0.26
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	18	0.24	0.05	0.26
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	18	0.23	0.13	0.14
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	18	0.23	0.06	0.22
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	18	0.23	0.06	0.22
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	18	0.23	0.06	0.22
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	18	0.23	0.06	0.22
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	18	0.23	0.05	0.21
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	18	0.23	0.05	0.21
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	18	0.23	0.05	0.21
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	18	0.22	0.04	0.2
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	18	0.21	0.06	0.19
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	18	0.21	0.06	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	18	0.2	0.06	0.2
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	18	0.2	0.06	0.2
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	18	0.2	0.06	0.2
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	18	0.2	0.06	0.2
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	18	0.2	0.06	0.2
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	18	0.2	0.06	0.2
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	18	0.2	0.05	0.19
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	18	0.2	0.06	0.2
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	18	0.2	0.06	0.2
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	18	0.18	0.04	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	18	0.18	0.04	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	18	0.18	0.04	0.19
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	18	0.18	0.04	0.19
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	18	0.18	0.04	0.19
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	18	0.17	0.05	0.16
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	18	0.17	0.05	0.16
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	18	0.17	0.05	0.16
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	18	0.17	0.04	0.16
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	18	0.16	0.04	0.16
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	18	0.16	0.04	0.16
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	18	0.15	0.04	0.14
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	18	0.15	0.04	0.14
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	18	0.15	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)
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	18	0.13	0.02	0.12
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	17	2.1	1.65	1.45
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	17	2.01	1.66	1.76
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	17	1.07	0.08	1.07
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	17	1.01	0.58	1.28
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	17	1.01	0.58	1.28
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	17	1.01	0.58	1.28
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	17	0.8	0.45	0.84
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	17	0.8	0.45	0.84
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	17	0.61	0.24	0.52
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	17	0.61	0.24	0.52
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	17	0.61	0.24	0.52
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	17	0.49	0.29	0.35
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	17	0.49	0.29	0.35
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	17	0.49	0.29	0.35
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	17	0.49	0.29	0.35
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	17	0.49	0.29	0.35
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	17	0.49	0.29	0.35
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	17	0.49	0.29	0.35
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	17	0.49	0.29	0.35
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	17	0.49	0.29	0.35
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	17	0.44	0.28	0.41
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	17	0.42	0.47	0.19
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	17	0.42	0.47	0.19
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	17	0.42	0.47	0.19
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	17	0.42	0.47	0.19
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	17	0.42	0.47	0.19
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	17	0.42	0.47	0.19
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	17	0.42	0.51	0.18
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	17	0.38	0.34	0.19
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	17	0.31	0.08	0.3
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	17	0.31	0.08	0.3
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	17	0.28	0.07	0.29
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	17	0.28	0.07	0.29
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	17	0.27	0.13	0.23
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	17	0.27	0.13	0.23
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	17	0.27	0.13	0.23
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	17	0.27	0.11	0.23
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	17	0.27	0.11	0.23
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	17	0.27	0.11	0.23
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	17	0.27	0.11	0.23
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	17	0.27	0.11	0.23

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	17	0.27	0.11	0.23
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	17	0.27	0.11	0.23
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	17	0.27	0.11	0.23
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	17	0.27	0.11	0.23
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	17	0.25	0.06	0.26
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	17	0.25	0.06	0.26
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	17	0.25	0.06	0.26
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	17	0.25	0.08	0.22
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	17	0.25	0.08	0.22
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	17	0.25	0.08	0.22
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	17	0.25	0.08	0.22
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	17	0.25	0.08	0.22
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	17	0.25	0.08	0.22
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	17	0.24	0.06	0.23
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	17	0.24	0.06	0.23
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	17	0.24	0.06	0.23
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	17	0.24	0.07	0.26
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	17	0.24	0.07	0.26
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	17	0.24	0.07	0.26
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	17	0.24	0.07	0.26
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	17	0.24	0.07	0.26
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	17	0.24	0.07	0.26
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	17	0.23	0.08	0.24
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	17	0.23	0.08	0.24
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	17	0.22	0.09	0.2
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	17	0.22	0.05	0.23
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	17	0.22	0.05	0.23
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	17	0.22	0.05	0.23
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	17	0.22	0.16	0.18
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	17	0.22	0.16	0.18
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	17	0.21	0.05	0.22
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	17	0.21	0.08	0.2
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	17	0.21	0.08	0.2
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	17	0.21	0.08	0.2
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	17	0.21	0.08	0.2
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	17	0.21	0.08	0.2
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	17	0.21	0.08	0.2
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	17	0.21	0.06	0.21
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	17	0.21	0.06	0.21
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	17	0.21	0.06	0.21
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	17	0.2	0.05	0.2
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	17	0.2	0.06	0.18

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	17	0.2	0.05	0.19
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	17	0.2	0.05	0.19
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	17	0.2	0.07	0.18
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	17	0.2	0.07	0.18
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	17	0.19	0.06	0.2
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	17	0.19	0.06	0.2
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	17	0.19	0.07	0.17
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	17	0.18	0.06	0.17
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	17	0.16	0.04	0.15
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	16	1.2	0.57	1.34
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	16	1.2	0.57	1.34
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	16	1.2	0.57	1.34
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	16	0.88	0.03	0.88
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	16	0.88	0.03	0.88
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	16	0.88	0.03	0.88
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	16	0.76	0.54	1.12
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	16	0.76	0.54	1.12
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	16	0.76	0.54	1.12
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	16	0.67	0.38	0.62
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	16	0.67	0.38	0.62
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	16	0.67	0.38	0.62
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	16	0.67	0.44	0.79
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	16	0.67	0.44	0.79
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	16	0.67	0.44	0.79
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	16	0.64	0.5	0.32
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	16	0.61	0.23	0.66
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	16	0.47	0.14	0.42
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	16	0.42	0.18	0.38
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	16	0.4	0.42	0.17
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	16	0.4	0.42	0.17
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	16	0.4	0.42	0.17
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	16	0.4	0.42	0.17
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	16	0.36	0.15	0.38
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	16	0.34	0.11	0.34
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	16	0.34	0.11	0.34
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	16	0.34	0.11	0.34
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	16	0.34	0.11	0.34
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	16	0.34	0.11	0.34
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	16	0.34	0.11	0.34
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	16	0.32	0.1	0.34
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	16	0.32	0.1	0.34
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	16	0.32	0.1	0.34

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	16	0.32	0.1	0.34
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	16	0.3	0.28	0.16
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	16	0.3	0.28	0.16
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	16	0.29	0.13	0.26
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	16	0.29	0.13	0.26
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	16	0.29	0.13	0.26
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	16	0.28	0.09	0.3
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	16	0.24	0.06	0.26
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	16	0.24	0.06	0.26
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	16	0.24	0.06	0.26
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	16	0.24	0.06	0.24
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	16	0.24	0.06	0.24
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	16	0.24	0.06	0.24
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	16	0.22	0.08	0.22
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	16	0.22	0.1	0.2
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	16	0.22	0.1	0.2
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	16	0.22	0.1	0.2
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	16	0.2	0.06	0.19
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	16	0.2	0.06	0.19
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	16	0.2	0.06	0.19
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	16	0.2	0.06	0.19
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	16	0.2	0.07	0.17
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	16	0.2	0.07	0.17
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	16	0.2	0.07	0.17
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	16	0.2	0.05	0.2
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	16	0.19	0.04	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	16	0.19	0.07	0.16
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	16	0.19	0.07	0.16
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	16	0.19	0.07	0.16
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	16	0.19	0.07	0.16
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	16	0.19	0.07	0.16
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	16	0.19	0.07	0.16
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	16	0.16	0.04	0.16
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	15	2.77	1.85	2.7
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	15	1.47	0.64	1.74
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	15	1.22	0.84	1.22
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	15	1.07	0.46	1.21
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	15	1.07	0.46	1.21
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	15	1.04	0.77	0.88
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	15	0.99	0.6	0.95
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	15	0.99	0.6	0.95
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	15	0.99	0.6	0.95

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	15	0.99	0.6	0.95
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	15	0.99	0.6	0.95
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	15	0.99	0.6	0.95
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	15	0.92	0.4	0.94
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	15	0.69	0.32	0.67
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	15	0.69	0.32	0.67
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	15	0.69	0.32	0.67
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	15	0.63	0.43	0.55
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	15	0.63	0.43	0.55
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	15	0.63	0.43	0.55
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	15	0.47	0.33	0.4
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	15	0.47	0.33	0.4
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	15	0.47	0.33	0.4
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	15	0.45	0.28	0.41
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	15	0.37	0.25	0.39
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	15	0.37	0.25	0.39
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	15	0.37	0.25	0.39
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	15	0.37	0.25	0.39
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	15	0.37	0.25	0.39
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	15	0.37	0.25	0.39
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	15	0.37	0.25	0.39
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	15	0.37	0.25	0.39
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	15	0.37	0.25	0.39
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	15	0.36	0.28	0.3
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	15	0.33	0.06	0.35
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	15	0.33	0.06	0.35
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	15	0.33	0.06	0.35
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	15	0.33	0.06	0.35
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	15	0.33	0.06	0.35
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	15	0.33	0.06	0.35
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	15	0.31	0.09	0.31
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	15	0.31	0.09	0.31
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	15	0.31	0.09	0.31
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	15	0.29	0.13	0.25
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	15	0.29	0.13	0.25
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	15	0.29	0.13	0.25
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	15	0.27	0.15	0.21
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	15	0.27	0.15	0.21
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	15	0.27	0.15	0.21
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	15	0.27	0.13	0.24
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	15	0.27	0.07	0.28
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	15	0.26	0.11	0.27

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	15	0.26	0.11	0.27
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	15	0.24	0.11	0.18
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	15	0.24	0.08	0.22
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	15	0.23	0.07	0.22
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	15	0.23	0.07	0.22
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	15	0.23	0.07	0.22
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	15	0.23	0.07	0.22
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	15	0.23	0.07	0.22
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	15	0.23	0.07	0.22
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	15	0.23	0.08	0.21
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	15	0.23	0.08	0.21
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	15	0.23	0.08	0.21
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	15	0.23	0.08	0.21
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	15	0.23	0.08	0.21
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	15	0.23	0.08	0.21
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	15	0.22	0.11	0.16
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	15	0.22	0.04	0.22
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	15	0.2	0.05	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	15	0.2	0.05	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	15	0.2	0.05	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	15	0.2	0.05	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	15	0.2	0.05	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	15	0.2	0.05	0.19
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	15	0.2	0.09	0.17
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	15	0.2	0.09	0.17
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	15	0.19	0.07	0.16
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	15	0.19	0.07	0.16
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	15	0.19	0.07	0.16
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	15	0.19	0.05	0.18
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	15	0.19	0.05	0.18
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	15	0.18	0.05	0.18
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	15	0.17	0.06	0.16
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	15	0.17	0.06	0.16
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	15	0.16	0.04	0.16
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	15	0.16	0.02	0.16
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	14	1.03	0.6	1.27
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	14	1.03	0.6	1.27
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	14	0.73	0.5	0.8
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	14	0.73	0.5	0.8
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	14	0.73	0.5	0.8
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	14	0.73	0.5	0.8
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	14	0.73	0.5	0.8

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	14	0.73	0.5	0.8
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	14	0.49	0.24	0.38
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	14	0.48	0.42	0.28
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	14	0.39	0.31	0.26
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	14	0.39	0.31	0.26
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	14	0.39	0.31	0.26
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	14	0.39	0.31	0.26
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	14	0.39	0.31	0.26
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	14	0.39	0.31	0.26
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	14	0.38	0.29	0.24
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	14	0.29	0.25	0.22
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	14	0.29	0.25	0.22
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	14	0.29	0.25	0.22
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	14	0.29	0.25	0.22
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	14	0.29	0.25	0.22
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	14	0.29	0.25	0.22
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	14	0.29	0.25	0.22
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	14	0.29	0.25	0.22
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	14	0.29	0.25	0.22
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	14	0.27	0.09	0.3
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	14	0.27	0.09	0.3
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	14	0.27	0.11	0.27
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	14	0.26	0.08	0.24
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	14	0.26	0.08	0.24
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	14	0.26	0.08	0.24
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	14	0.25	0.06	0.25
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	14	0.25	0.06	0.25
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	14	0.25	0.09	0.28
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	14	0.22	0.07	0.22
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	14	0.22	0.07	0.2
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	14	0.22	0.07	0.2
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	14	0.22	0.07	0.2
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	14	0.22	0.07	0.2
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	14	0.22	0.07	0.2
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	14	0.22	0.07	0.2
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	14	0.22	0.07	0.2
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	14	0.22	0.07	0.2
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	14	0.22	0.07	0.2
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	14	0.21	0.09	0.17
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	14	0.21	0.12	0.18
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	14	0.21	0.12	0.18
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	14	0.21	0.12	0.18

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	14	0.21	0.08	0.18
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	14	0.21	0.08	0.18
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	14	0.21	0.08	0.18
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	14	0.21	0.08	0.18
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	14	0.21	0.08	0.18
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	14	0.21	0.08	0.18
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	14	0.2	0.09	0.19
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	14	0.2	0.09	0.19
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	14	0.2	0.09	0.19
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	14	0.19	0.07	0.18
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	14	0.18	0.04	0.18
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	14	0.18	0.05	0.18
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	14	0.18	0.05	0.18
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	14	0.18	0.05	0.18
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	14	0.18	0.06	0.17
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	14	0.18	0.06	0.17
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	14	0.18	0.06	0.17
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	14	0.18	0.06	0.17
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	14	0.18	0.06	0.17
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	14	0.18	0.06	0.17
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	14	0.18	0.06	0.17
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	14	0.18	0.06	0.17
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	14	0.18	0.06	0.17
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	14	0.17	0.04	0.16
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	14	0.17	0.05	0.16
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	14	0.17	0.05	0.16
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	14	0.17	0.05	0.16
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	14	0.16	0.05	0.15
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	14	0.15	0.04	0.14
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	14	0.15	0.03	0.15
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	14	0.14	0.02	0.13
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	13	1.1	0.3	1.18
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	13	1.1	0.3	1.18
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	13	0.85	0.07	0.87
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	13	0.85	0.07	0.87
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	13	0.85	0.07	0.87
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	13	0.82	0.49	0.93
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	13	0.82	0.49	0.93
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	13	0.82	0.49	0.93
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	13	0.82	0.49	0.93
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	13	0.82	0.49	0.93
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	13	0.82	0.49	0.93

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	13	0.82	0.49	0.93
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	13	0.82	0.49	0.93
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	13	0.82	0.49	0.93
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	13	0.8	0.4	0.98
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	13	0.62	0.69	0.18
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	13	0.62	0.69	0.18
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	13	0.62	0.69	0.18
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	13	0.61	0.55	0.29
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	13	0.61	0.55	0.29
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	13	0.49	0.21	0.46
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	13	0.48	0.37	0.35
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	13	0.45	0.2	0.39
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	13	0.4	0.25	0.36
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	13	0.38	0.22	0.3
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	13	0.38	0.22	0.3
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	13	0.38	0.22	0.3
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	13	0.38	0.22	0.3
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	13	0.38	0.22	0.3
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	13	0.38	0.22	0.3
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	13	0.38	0.22	0.3
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	13	0.38	0.22	0.3
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	13	0.38	0.22	0.3
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	13	0.37	0.22	0.3
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	13	0.37	0.22	0.3
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	13	0.37	0.22	0.3
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	13	0.35	0.35	0.23
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	13	0.25	0.06	0.24
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	13	0.23	0.07	0.23
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	13	0.23	0.07	0.23
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	13	0.23	0.07	0.23
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	13	0.22	0.06	0.23
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	13	0.17	0.04	0.17
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	13	0.17	0.06	0.16
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	13	0.17	0.06	0.16
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	13	0.17	0.06	0.16
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	13	0.16	0.03	0.16
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	13	0.16	0.03	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	13	0.15	0.03	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	13	0.15	0.03	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	13	0.15	0.03	0.16
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	13	0.14	0.03	0.14
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	13	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	13	0.13	0.02	0.13
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	13	0.13	0.02	0.13
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	13	0.13	0.02	0.13
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	13	0.13	0.02	0.13
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	13	0.13	0.02	0.13
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	13	0.13	0.03	0.12
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	12	1.64	0.62	1.66
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	12	1.64	0.62	1.66
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	12	1.64	0.62	1.66
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	12	1.08	0.71	1.28
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	12	1.08	0.71	1.28
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	12	0.99	0.8	0.72
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	12	0.99	0.8	0.72
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	12	0.99	0.8	0.72
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	12	0.65	0.61	0.16
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	12	0.61	0.52	0.22
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	12	0.47	0.47	0.22
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	12	0.4	0.47	0.3
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	12	0.4	0.47	0.3
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	12	0.4	0.47	0.3
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	12	0.38	0.19	0.36
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	12	0.36	0.28	0.3
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	12	0.36	0.28	0.3
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	12	0.36	0.28	0.3
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	12	0.36	0.28	0.3
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	12	0.36	0.28	0.3
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	12	0.36	0.28	0.3
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	12	0.36	0.28	0.3
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	12	0.36	0.28	0.3
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	12	0.36	0.28	0.3
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	12	0.34	0.31	0.22
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	12	0.34	0.31	0.22
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	12	0.32	0.22	0.26
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	12	0.32	0.22	0.26
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	12	0.32	0.22	0.26
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	12	0.3	0.16	0.23
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	12	0.29	0.09	0.3
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	12	0.25	0.1	0.22
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	12	0.25	0.1	0.22
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	12	0.25	0.1	0.22
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	12	0.25	0.1	0.22
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	12	0.25	0.1	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	12	0.25	0.1	0.22
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	12	0.25	0.1	0.22
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	12	0.25	0.1	0.22
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	12	0.25	0.1	0.22
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	12	0.24	0.06	0.26
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	12	0.24	0.1	0.2
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	12	0.24	0.1	0.2
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	12	0.24	0.1	0.2
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	12	0.24	0.07	0.25
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	12	0.24	0.07	0.26
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	12	0.22	0.06	0.24
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	12	0.22	0.06	0.24
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	12	0.22	0.06	0.24
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	12	0.22	0.06	0.24
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	12	0.22	0.06	0.24
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	12	0.22	0.06	0.24
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	12	0.22	0.06	0.22
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	12	0.22	0.06	0.22
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	12	0.22	0.05	0.21
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	12	0.21	0.06	0.18
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	12	0.21	0.06	0.18
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	12	0.21	0.06	0.18
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	12	0.21	0.05	0.2
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	12	0.21	0.05	0.2
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	12	0.21	0.05	0.2
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	12	0.21	0.09	0.17
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	12	0.21	0.09	0.17
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	12	0.2	0.05	0.2
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	12	0.2	0.1	0.17
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	12	0.2	0.07	0.17
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	12	0.2	0.07	0.17
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	12	0.2	0.03	0.2
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	12	0.19	0.05	0.2
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	12	0.19	0.05	0.2
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	12	0.19	0.05	0.2
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	12	0.19	0.05	0.19
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	12	0.19	0.05	0.19
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	12	0.19	0.07	0.15
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	12	0.19	0.07	0.15
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	12	0.19	0.04	0.18
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	12	0.19	0.04	0.18
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	12	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)
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	12	0.19	0.04	0.18
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	12	0.19	0.04	0.18
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	12	0.19	0.04	0.18
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	12	0.19	0.04	0.18
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	12	0.19	0.04	0.18
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	12	0.19	0.04	0.18
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	12	0.18	0.06	0.18
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	12	0.18	0.06	0.18
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	12	0.18	0.06	0.18
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	12	0.17	0.05	0.16
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	12	0.16	0.05	0.16
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	12	0.16	0.05	0.16
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	12	0.16	0.05	0.16
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	12	0.16	0.05	0.15
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	12	0.16	0.05	0.15
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	12	0.16	0.05	0.15
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	12	0.16	0.03	0.16
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	12	0.16	0.03	0.16
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	12	0.16	0.04	0.16
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	12	0.16	0.04	0.16
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	12	0.16	0.04	0.16
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	12	0.16	0.04	0.16
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	12	0.16	0.04	0.16
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	12	0.16	0.04	0.16
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	12	0.16	0.02	0.16
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	12	0.15	0.05	0.12
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	11	1.02	0.27	1.08
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	11	0.92	0.4	1.07
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	11	0.92	0.4	1.07
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	11	0.63	0.42	0.73
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	11	0.63	0.42	0.73
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	11	0.63	0.42	0.73
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	11	0.63	0.42	0.73
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	11	0.63	0.42	0.73
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	11	0.63	0.42	0.73
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	11	0.61	0.58	0.45
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	11	0.61	0.58	0.45
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	11	0.61	0.28	0.48
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	11	0.61	0.28	0.48
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	11	0.61	0.28	0.48
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	11	0.58	0.22	0.67
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	11	0.58	0.22	0.67

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	11	0.58	0.22	0.67
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	11	0.54	0.4	0.32
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	11	0.54	0.4	0.32
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	11	0.54	0.4	0.32
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	11	0.54	0.4	0.32
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	11	0.54	0.4	0.32
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	11	0.54	0.4	0.32
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	11	0.54	0.4	0.32
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	11	0.54	0.4	0.32
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	11	0.54	0.4	0.32
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	11	0.46	0.24	0.48
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	11	0.46	0.39	0.3
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	11	0.46	0.39	0.3
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	11	0.46	0.39	0.3
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	11	0.44	0.07	0.44
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	11	0.44	0.07	0.44
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	11	0.36	0.11	0.36
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	11	0.31	0.21	0.27
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	11	0.31	0.08	0.3
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	11	0.31	0.08	0.3
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	11	0.31	0.08	0.3
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	11	0.3	0.08	0.31
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	11	0.29	0.16	0.25
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	11	0.29	0.16	0.25
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	11	0.29	0.16	0.25
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	11	0.24	0.06	0.26
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	11	0.24	0.06	0.26
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	11	0.24	0.06	0.26
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	11	0.24	0.06	0.26
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	11	0.23	0.08	0.23
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	11	0.23	0.08	0.23
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	11	0.23	0.08	0.23
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	11	0.22	0.07	0.24
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	11	0.22	0.07	0.24
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	11	0.22	0.07	0.24
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	11	0.22	0.07	0.24
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	11	0.22	0.07	0.24
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	11	0.22	0.07	0.24
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	11	0.21	0.07	0.24
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	11	0.21	0.07	0.24
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	11	0.21	0.05	0.21
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	11	0.21	0.05	0.21

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	11	0.21	0.05	0.21
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	11	0.2	0.05	0.18
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	11	0.2	0.05	0.18
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	11	0.2	0.05	0.18
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	11	0.2	0.06	0.21
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	11	0.2	0.06	0.21
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	11	0.19	0.08	0.19
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	11	0.19	0.05	0.17
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	11	0.19	0.05	0.17
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	11	0.19	0.09	0.16
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	11	0.19	0.09	0.16
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	11	0.18	0.03	0.18
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	11	0.18	0.03	0.18
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	11	0.18	0.03	0.18
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	11	0.17	0.05	0.16
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	11	0.17	0.05	0.16
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	11	0.17	0.05	0.15
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	11	0.17	0.06	0.14
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	11	0.15	0.04	0.15
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	11	0.15	0.03	0.14
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	11	0.15	0.03	0.14
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	11	0.15	0.03	0.14
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	11	0.14	0.04	0.12
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	11	0.14	0.04	0.12
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	11	0.14	0.04	0.12
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	11	0.14	0.04	0.12
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	11	0.14	0.04	0.12
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	11	0.14	0.04	0.12
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	11	0.14	0.02	0.14
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	11	0.13	0.02	0.13
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	11	0.13	0.02	0.13
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	11	0.13	0.02	0.13
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	11	0.13	0.02	0.13
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG21	10	1.02	0.32	1.1
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG22	10	1.02	0.32	1.1
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG23	10	1.02	0.32	1.1
(1,1146)	1:3:A:ASP:HA	1:4:A:ASN:H	10	0.87	0.29	0.98
(1,1315)	1:11:A:PHE:HE1	1:13:A:GLY:H	10	0.77	0.55	0.73
(1,1315)	1:11:A:PHE:HE2	1:13:A:GLY:H	10	0.77	0.55	0.73
(1,1317)	1:16:A:ASP:HB2	1:18:A:THR:H	10	0.74	0.68	0.41
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG11	10	0.65	0.34	0.58
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG12	10	0.65	0.34	0.58

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG13	10	0.65	0.34	0.58
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG11	10	0.65	0.34	0.58
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG12	10	0.65	0.34	0.58
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG13	10	0.65	0.34	0.58
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG11	10	0.65	0.34	0.58
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG12	10	0.65	0.34	0.58
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG13	10	0.65	0.34	0.58
(1,875)	1:15:A:ILE:HD11	1:48:A:ASN:HB3	10	0.52	0.36	0.3
(1,875)	1:15:A:ILE:HD12	1:48:A:ASN:HB3	10	0.52	0.36	0.3
(1,875)	1:15:A:ILE:HD13	1:48:A:ASN:HB3	10	0.52	0.36	0.3
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG21	10	0.45	0.17	0.47
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG22	10	0.45	0.17	0.47
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG23	10	0.45	0.17	0.47
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG21	10	0.45	0.17	0.47
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG22	10	0.45	0.17	0.47
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG23	10	0.45	0.17	0.47
(1,232)	1:20:A:ASP:HB3	1:21:A:GLU:H	10	0.45	0.35	0.24
(1,1400)	1:1:A:MET:HA	1:1:A:MET:HG2	10	0.4	0.21	0.34
(1,743)	1:12:A:VAL:HG21	1:13:A:GLY:H	10	0.39	0.07	0.42
(1,743)	1:12:A:VAL:HG22	1:13:A:GLY:H	10	0.39	0.07	0.42
(1,743)	1:12:A:VAL:HG23	1:13:A:GLY:H	10	0.39	0.07	0.42
(1,1445)	1:73:A:GLU:HG3	1:74:A:LEU:HA	10	0.37	0.04	0.37
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	10	0.37	0.12	0.35
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	10	0.37	0.12	0.35
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	10	0.37	0.12	0.35
(1,1089)	1:85:A:LYS:HB3	1:86:A:THR:H	10	0.35	0.2	0.31
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD1	10	0.33	0.08	0.34
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD2	10	0.33	0.08	0.34
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD1	10	0.33	0.08	0.34
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD2	10	0.33	0.08	0.34
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD1	10	0.33	0.08	0.34
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD2	10	0.33	0.08	0.34
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG11	10	0.29	0.04	0.3
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG12	10	0.29	0.04	0.3
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG13	10	0.29	0.04	0.3
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD2	10	0.24	0.09	0.24
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD3	10	0.24	0.09	0.24
(1,33)	1:23:A:SER:H	1:23:A:SER:HB2	10	0.24	0.06	0.27
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG2	10	0.24	0.08	0.26
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG3	10	0.24	0.08	0.26
(1,600)	1:41:A:LEU:HD11	1:46:A:LYS:HA	10	0.23	0.1	0.2
(1,600)	1:41:A:LEU:HD12	1:46:A:LYS:HA	10	0.23	0.1	0.2

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,600)	1:41:A:LEU:HD13	1:46:A:LYS:HA	10	0.23	0.1	0.2
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD11	10	0.23	0.1	0.22
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD12	10	0.23	0.1	0.22
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD13	10	0.23	0.1	0.22
(1,1214)	1:2:A:SER:H	1:3:A:ASP:H	10	0.23	0.08	0.2
(1,315)	1:25:A:TYR:HE1	1:34:A:ILE:HB	10	0.22	0.09	0.19
(1,315)	1:25:A:TYR:HE2	1:34:A:ILE:HB	10	0.22	0.09	0.19
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD21	10	0.21	0.07	0.2
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD22	10	0.21	0.07	0.2
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD23	10	0.21	0.07	0.2
(1,1184)	1:41:A:LEU:HD21	1:48:A:ASN:H	10	0.2	0.09	0.18
(1,1184)	1:41:A:LEU:HD22	1:48:A:ASN:H	10	0.2	0.09	0.18
(1,1184)	1:41:A:LEU:HD23	1:48:A:ASN:H	10	0.2	0.09	0.18
(1,1397)	1:11:A:PHE:HB2	1:53:A:PHE:HA	10	0.19	0.05	0.18
(1,1397)	1:11:A:PHE:HB3	1:53:A:PHE:HA	10	0.19	0.05	0.18
(1,1076)	1:11:A:PHE:H	1:82:A:ASN:H	10	0.19	0.04	0.2
(1,247)	1:11:A:PHE:HE1	1:51:A:PHE:HB3	10	0.18	0.04	0.18
(1,247)	1:11:A:PHE:HE2	1:51:A:PHE:HB3	10	0.18	0.04	0.18
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD11	10	0.18	0.06	0.16
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD12	10	0.18	0.06	0.16
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD13	10	0.18	0.06	0.16
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG21	10	0.17	0.04	0.17
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG22	10	0.17	0.04	0.17
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG23	10	0.17	0.04	0.17
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD1	10	0.17	0.05	0.16
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD2	10	0.17	0.05	0.16
(1,459)	1:22:A:LYS:HB2	1:23:A:SER:H	10	0.17	0.03	0.16
(1,459)	1:22:A:LYS:HB3	1:23:A:SER:H	10	0.17	0.03	0.16
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG11	10	0.17	0.03	0.17
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG12	10	0.17	0.03	0.17
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG13	10	0.17	0.03	0.17
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE1	10	0.16	0.04	0.16
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE2	10	0.16	0.04	0.16
(1,50)	1:23:A:SER:HA	1:26:A:ASP:HB3	10	0.16	0.02	0.16
(1,156)	1:9:A:ILE:HG13	1:55:A:GLU:HA	10	0.16	0.06	0.14
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD11	10	0.16	0.04	0.15
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD12	10	0.16	0.04	0.15
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD13	10	0.16	0.04	0.15
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD11	10	0.14	0.05	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD12	10	0.14	0.05	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD13	10	0.14	0.05	0.12
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG21	10	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG22	10	0.14	0.03	0.14
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG23	10	0.14	0.03	0.14
(1,1406)	1:56:A:TYR:HE1	1:62:A:ALA:HA	10	0.11	0.01	0.11
(1,1406)	1:56:A:TYR:HE2	1:62:A:ALA:HA	10	0.11	0.01	0.11
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG2	9	1.16	0.54	1.31
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG3	9	1.16	0.54	1.31
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG12	9	0.75	0.42	0.88
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG13	9	0.75	0.42	0.88
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB2	9	0.48	0.46	0.19
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB3	9	0.48	0.46	0.19
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG21	9	0.38	0.59	0.19
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG22	9	0.38	0.59	0.19
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG23	9	0.38	0.59	0.19
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD2	9	0.34	0.08	0.34
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD3	9	0.34	0.08	0.34
(1,613)	1:66:A:LEU:HD11	1:82:A:ASN:HD22	9	0.32	0.17	0.28
(1,613)	1:66:A:LEU:HD12	1:82:A:ASN:HD22	9	0.32	0.17	0.28
(1,613)	1:66:A:LEU:HD13	1:82:A:ASN:HD22	9	0.32	0.17	0.28
(1,92)	1:22:A:LYS:HA	1:25:A:TYR:HB3	9	0.28	0.24	0.2
(1,1337)	1:14:A:GLY:H	1:52:A:ALA:H	9	0.28	0.13	0.22
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD11	9	0.25	0.08	0.23
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD12	9	0.25	0.08	0.23
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD13	9	0.25	0.08	0.23
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD11	9	0.25	0.08	0.23
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD12	9	0.25	0.08	0.23
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD13	9	0.25	0.08	0.23
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD11	9	0.25	0.08	0.23
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD12	9	0.25	0.08	0.23
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD13	9	0.25	0.08	0.23
(1,957)	1:73:A:GLU:HB3	1:74:A:LEU:H	9	0.22	0.03	0.22
(1,983)	1:38:A:GLU:HB3	1:39:A:VAL:H	9	0.21	0.09	0.21
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE1	9	0.21	0.08	0.2
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE2	9	0.21	0.08	0.2
(1,1085)	1:12:A:VAL:H	1:52:A:ALA:H	9	0.21	0.05	0.2
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG21	9	0.21	0.06	0.19
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG22	9	0.21	0.06	0.19
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG23	9	0.21	0.06	0.19
(1,999)	1:19:A:ILE:HG12	1:20:A:ASP:H	9	0.21	0.04	0.21
(1,999)	1:19:A:ILE:HG13	1:20:A:ASP:H	9	0.21	0.04	0.21
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD2	9	0.2	0.05	0.2
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD3	9	0.2	0.05	0.2
(1,1264)	1:8:A:ASP:H	1:56:A:TYR:HB3	9	0.18	0.05	0.18

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,243)	1:20:A:ASP:H	1:20:A:ASP:HB3	9	0.18	0.05	0.2
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG21	9	0.18	0.08	0.14
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG22	9	0.18	0.08	0.14
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG23	9	0.18	0.08	0.14
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG21	9	0.17	0.03	0.17
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG22	9	0.17	0.03	0.17
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG23	9	0.17	0.03	0.17
(1,991)	1:73:A:GLU:H	1:73:A:GLU:HG3	9	0.17	0.04	0.16
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE1	9	0.17	0.04	0.15
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE2	9	0.17	0.04	0.15
(1,469)	1:35:A:ARG:HB3	1:55:A:GLU:HB2	9	0.16	0.05	0.16
(1,1183)	1:48:A:ASN:H	1:49:A:ARG:HG2	9	0.16	0.03	0.16
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG11	9	0.15	0.04	0.14
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG12	9	0.15	0.04	0.14
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG13	9	0.15	0.04	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG21	9	0.15	0.03	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG22	9	0.15	0.03	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG23	9	0.15	0.03	0.14
(1,1338)	1:13:A:GLY:H	1:14:A:GLY:H	9	0.14	0.02	0.16
(1,383)	1:17:A:GLU:HG2	1:18:A:THR:H	9	0.14	0.03	0.15
(1,164)	1:16:A:ASP:HA	1:17:A:GLU:H	9	0.14	0.03	0.14
(1,1227)	1:65:A:ALA:H	1:67:A:TYR:H	9	0.14	0.03	0.12
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG21	9	0.14	0.04	0.13
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG22	9	0.14	0.04	0.13
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG23	9	0.14	0.04	0.13
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG21	9	0.14	0.04	0.13
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG22	9	0.14	0.04	0.13
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG23	9	0.14	0.04	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD11	9	0.14	0.02	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD12	9	0.14	0.02	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD13	9	0.14	0.02	0.13
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD11	9	0.14	0.02	0.13
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD12	9	0.14	0.02	0.13
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD13	9	0.14	0.02	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD11	9	0.14	0.02	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD12	9	0.14	0.02	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD13	9	0.14	0.02	0.13
(1,917)	1:51:A:PHE:HD1	1:52:A:ALA:HA	9	0.13	0.02	0.13
(1,917)	1:51:A:PHE:HD2	1:52:A:ALA:HA	9	0.13	0.02	0.13
(1,982)	1:38:A:GLU:HG2	1:39:A:VAL:H	9	0.12	0.02	0.12
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG21	9	0.12	0.02	0.12
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG22	9	0.12	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)
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG23	9	0.12	0.02	0.12
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG21	9	0.12	0.02	0.12
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG22	9	0.12	0.02	0.12
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG23	9	0.12	0.02	0.12
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG21	9	0.12	0.02	0.12
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG22	9	0.12	0.02	0.12
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG23	9	0.12	0.02	0.12
(1,213)	1:41:A:LEU:H	1:41:A:LEU:HB3	9	0.11	0.01	0.11
(1,709)	1:57:A:VAL:HG11	1:58:A:GLU:HG2	8	1.37	0.43	1.54
(1,709)	1:57:A:VAL:HG12	1:58:A:GLU:HG2	8	1.37	0.43	1.54
(1,709)	1:57:A:VAL:HG13	1:58:A:GLU:HG2	8	1.37	0.43	1.54
(1,1364)	1:37:A:ILE:HD11	1:54:A:VAL:HA	8	0.68	0.64	0.24
(1,1364)	1:37:A:ILE:HD12	1:54:A:VAL:HA	8	0.68	0.64	0.24
(1,1364)	1:37:A:ILE:HD13	1:54:A:VAL:HA	8	0.68	0.64	0.24
(1,852)	1:37:A:ILE:HG21	1:54:A:VAL:HA	8	0.54	0.33	0.56
(1,852)	1:37:A:ILE:HG22	1:54:A:VAL:HA	8	0.54	0.33	0.56
(1,852)	1:37:A:ILE:HG23	1:54:A:VAL:HA	8	0.54	0.33	0.56
(1,1391)	1:11:A:PHE:HB2	1:84:A:SER:HA	8	0.46	0.23	0.38
(1,1391)	1:11:A:PHE:HB3	1:84:A:SER:HA	8	0.46	0.23	0.38
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG21	8	0.43	0.31	0.32
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG22	8	0.43	0.31	0.32
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG23	8	0.43	0.31	0.32
(1,440)	1:43:A:MET:H	1:43:A:MET:HG2	8	0.4	0.5	0.24
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG11	8	0.36	0.3	0.27
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG12	8	0.36	0.3	0.27
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG13	8	0.36	0.3	0.27
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG11	8	0.36	0.3	0.27
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG12	8	0.36	0.3	0.27
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG13	8	0.36	0.3	0.27
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG11	8	0.36	0.3	0.27
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG12	8	0.36	0.3	0.27
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG13	8	0.36	0.3	0.27
(1,509)	1:46:A:LYS:HB3	1:47:A:LYS:H	8	0.34	0.09	0.36
(1,974)	1:73:A:GLU:HB2	1:75:A:ASN:H	8	0.29	0.06	0.31
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE2	8	0.28	0.07	0.29
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE3	8	0.28	0.07	0.29
(1,1019)	1:80:A:HIS:HB2	1:81:A:VAL:H	8	0.26	0.26	0.18
(1,973)	1:73:A:GLU:HG3	1:75:A:ASN:H	8	0.25	0.07	0.23
(1,939)	1:64:A:HIS:HA	1:64:A:HIS:HD2	8	0.24	0.07	0.27
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG21	8	0.23	0.08	0.21
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG22	8	0.23	0.08	0.21
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG23	8	0.23	0.08	0.21

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG21	8	0.21	0.08	0.18
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG22	8	0.21	0.08	0.18
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG23	8	0.21	0.08	0.18
(1,1547)	1:15:A:ILE:HG21	1:80:A:HIS:H	8	0.21	0.06	0.2
(1,1547)	1:15:A:ILE:HG22	1:80:A:HIS:H	8	0.21	0.06	0.2
(1,1547)	1:15:A:ILE:HG23	1:80:A:HIS:H	8	0.21	0.06	0.2
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG12	8	0.2	0.08	0.18
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG13	8	0.2	0.08	0.18
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG21	8	0.19	0.07	0.18
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG22	8	0.19	0.07	0.18
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG23	8	0.19	0.07	0.18
(1,925)	1:11:A:PHE:HE1	1:52:A:ALA:H	8	0.19	0.07	0.16
(1,925)	1:11:A:PHE:HE2	1:52:A:ALA:H	8	0.19	0.07	0.16
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB2	8	0.19	0.08	0.16
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB3	8	0.19	0.08	0.16
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB2	8	0.19	0.08	0.16
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB3	8	0.19	0.08	0.16
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG21	8	0.18	0.05	0.17
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG22	8	0.18	0.05	0.17
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG23	8	0.18	0.05	0.17
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG21	8	0.18	0.05	0.17
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG22	8	0.18	0.05	0.17
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG23	8	0.18	0.05	0.17
(1,1182)	1:47:A:LYS:HD2	1:48:A:ASN:H	8	0.18	0.06	0.15
(1,1182)	1:47:A:LYS:HD3	1:48:A:ASN:H	8	0.18	0.06	0.15
(1,749)	1:12:A:VAL:HG21	1:54:A:VAL:H	8	0.18	0.05	0.18
(1,749)	1:12:A:VAL:HG22	1:54:A:VAL:H	8	0.18	0.05	0.18
(1,749)	1:12:A:VAL:HG23	1:54:A:VAL:H	8	0.18	0.05	0.18
(1,882)	1:15:A:ILE:HD11	1:16:A:ASP:H	8	0.18	0.07	0.15
(1,882)	1:15:A:ILE:HD12	1:16:A:ASP:H	8	0.18	0.07	0.15
(1,882)	1:15:A:ILE:HD13	1:16:A:ASP:H	8	0.18	0.07	0.15
(1,147)	1:14:A:GLY:H	1:51:A:PHE:HA	8	0.17	0.03	0.18
(1,409)	1:57:A:VAL:HG11	1:58:A:GLU:HG3	8	0.17	0.03	0.17
(1,409)	1:57:A:VAL:HG12	1:58:A:GLU:HG3	8	0.17	0.03	0.17
(1,409)	1:57:A:VAL:HG13	1:58:A:GLU:HG3	8	0.17	0.03	0.17
(1,1414)	1:58:A:GLU:HA	1:61:A:ASP:HB2	8	0.16	0.06	0.15
(1,572)	1:66:A:LEU:HD21	1:82:A:ASN:HB3	8	0.16	0.04	0.16
(1,572)	1:66:A:LEU:HD22	1:82:A:ASN:HB3	8	0.16	0.04	0.16
(1,572)	1:66:A:LEU:HD23	1:82:A:ASN:HB3	8	0.16	0.04	0.16
(1,468)	1:36:A:ASN:HB2	1:55:A:GLU:HB2	8	0.16	0.03	0.16
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG11	8	0.16	0.04	0.15
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG12	8	0.16	0.04	0.15

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG13	8	0.16	0.04	0.15
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG11	8	0.16	0.04	0.15
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG12	8	0.16	0.04	0.15
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG13	8	0.16	0.04	0.15
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG11	8	0.16	0.04	0.15
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG12	8	0.16	0.04	0.15
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG13	8	0.16	0.04	0.15
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG2	8	0.16	0.03	0.16
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG3	8	0.16	0.03	0.16
(1,1431)	1:50:A:GLY:HA3	1:51:A:PHE:HB2	8	0.15	0.02	0.15
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD11	8	0.14	0.03	0.15
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD12	8	0.14	0.03	0.15
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD13	8	0.14	0.03	0.15
(1,1139)	1:33:A:ASP:HB2	1:57:A:VAL:H	8	0.14	0.02	0.14
(1,1139)	1:33:A:ASP:HB3	1:57:A:VAL:H	8	0.14	0.02	0.14
(1,1197)	1:63:A:LYS:H	1:64:A:HIS:H	8	0.14	0.03	0.14
(1,1293)	1:68:A:ASN:HD22	1:69:A:MET:HA	8	0.13	0.03	0.12
(1,51)	1:23:A:SER:HA	1:26:A:ASP:H	8	0.13	0.02	0.12
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG21	8	0.12	0.02	0.12
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG22	8	0.12	0.02	0.12
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG23	8	0.12	0.02	0.12
(1,844)	1:27:A:ILE:HG21	1:28:A:PHE:H	8	0.12	0.01	0.12
(1,844)	1:27:A:ILE:HG22	1:28:A:PHE:H	8	0.12	0.01	0.12
(1,844)	1:27:A:ILE:HG23	1:28:A:PHE:H	8	0.12	0.01	0.12
(1,229)	1:82:A:ASN:HB2	1:83:A:TYR:H	7	1.05	0.29	1.19
(1,517)	1:37:A:ILE:HG12	1:54:A:VAL:HA	7	0.95	0.38	0.99
(1,517)	1:37:A:ILE:HG13	1:54:A:VAL:HA	7	0.95	0.38	0.99
(1,967)	1:55:A:GLU:HG2	1:56:A:TYR:H	7	0.9	0.48	0.87
(1,1372)	1:12:A:VAL:HG11	1:81:A:VAL:HA	7	0.74	0.57	0.7
(1,1372)	1:12:A:VAL:HG12	1:81:A:VAL:HA	7	0.74	0.57	0.7
(1,1372)	1:12:A:VAL:HG13	1:81:A:VAL:HA	7	0.74	0.57	0.7
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD11	7	0.66	0.48	0.33
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD12	7	0.66	0.48	0.33
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD13	7	0.66	0.48	0.33
(1,756)	1:6:A:ALA:HB1	1:9:A:ILE:HB	7	0.61	0.64	0.25
(1,756)	1:6:A:ALA:HB2	1:9:A:ILE:HB	7	0.61	0.64	0.25
(1,756)	1:6:A:ALA:HB3	1:9:A:ILE:HB	7	0.61	0.64	0.25
(1,472)	1:80:A:HIS:H	1:80:A:HIS:HB3	7	0.59	0.24	0.54
(1,1351)	1:9:A:ILE:HG21	1:86:A:THR:HB	7	0.48	0.49	0.28
(1,1351)	1:9:A:ILE:HG22	1:86:A:THR:HB	7	0.48	0.49	0.28
(1,1351)	1:9:A:ILE:HG23	1:86:A:THR:HB	7	0.48	0.49	0.28
(1,745)	1:12:A:VAL:HG21	1:81:A:VAL:HA	7	0.33	0.43	0.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,745)	1:12:A:VAL:HG22	1:81:A:VAL:HA	7	0.33	0.43	0.13
(1,745)	1:12:A:VAL:HG23	1:81:A:VAL:HA	7	0.33	0.43	0.13
(1,363)	1:73:A:GLU:HG2	1:74:A:LEU:HA	7	0.3	0.04	0.31
(1,394)	1:55:A:GLU:H	1:55:A:GLU:HG3	7	0.28	0.21	0.19
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE1	7	0.26	0.09	0.23
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE2	7	0.26	0.09	0.23
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE1	7	0.26	0.09	0.23
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE2	7	0.26	0.09	0.23
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE1	7	0.26	0.09	0.23
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE2	7	0.26	0.09	0.23
(1,403)	1:58:A:GLU:HA	1:58:A:GLU:HG2	7	0.26	0.02	0.27
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB1	7	0.24	0.09	0.2
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB2	7	0.24	0.09	0.2
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB3	7	0.24	0.09	0.2
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB1	7	0.24	0.09	0.2
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB2	7	0.24	0.09	0.2
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB3	7	0.24	0.09	0.2
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB1	7	0.24	0.09	0.2
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB2	7	0.24	0.09	0.2
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB3	7	0.24	0.09	0.2
(1,1305)	1:74:A:LEU:HD21	1:75:A:ASN:HD22	7	0.23	0.13	0.21
(1,1305)	1:74:A:LEU:HD22	1:75:A:ASN:HD22	7	0.23	0.13	0.21
(1,1305)	1:74:A:LEU:HD23	1:75:A:ASN:HD22	7	0.23	0.13	0.21
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD2	7	0.23	0.07	0.22
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD3	7	0.23	0.07	0.22
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD11	7	0.22	0.08	0.25
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD12	7	0.22	0.08	0.25
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD13	7	0.22	0.08	0.25
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG11	7	0.21	0.07	0.21
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG12	7	0.21	0.07	0.21
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG13	7	0.21	0.07	0.21
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG11	7	0.21	0.07	0.21
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG12	7	0.21	0.07	0.21
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG13	7	0.21	0.07	0.21
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB2	7	0.2	0.09	0.15
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB3	7	0.2	0.09	0.15
(1,1202)	1:46:A:LYS:H	1:47:A:LYS:H	7	0.2	0.03	0.2
(1,26)	1:9:A:ILE:HD11	1:86:A:THR:HA	7	0.2	0.09	0.16
(1,26)	1:9:A:ILE:HD12	1:86:A:THR:HA	7	0.2	0.09	0.16
(1,26)	1:9:A:ILE:HD13	1:86:A:THR:HA	7	0.2	0.09	0.16
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG21	7	0.19	0.08	0.17
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG22	7	0.19	0.08	0.17

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG23	7	0.19	0.08	0.17
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG21	7	0.19	0.08	0.17
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG22	7	0.19	0.08	0.17
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG23	7	0.19	0.08	0.17
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG21	7	0.19	0.08	0.17
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG22	7	0.19	0.08	0.17
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG23	7	0.19	0.08	0.17
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD11	7	0.19	0.04	0.19
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD12	7	0.19	0.04	0.19
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD13	7	0.19	0.04	0.19
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD2	7	0.19	0.11	0.15
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD3	7	0.19	0.11	0.15
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD2	7	0.19	0.11	0.15
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD3	7	0.19	0.11	0.15
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE2	7	0.18	0.05	0.17
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE3	7	0.18	0.05	0.17
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD11	7	0.18	0.04	0.2
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD12	7	0.18	0.04	0.2
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD13	7	0.18	0.04	0.2
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD11	7	0.18	0.04	0.2
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD12	7	0.18	0.04	0.2
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD13	7	0.18	0.04	0.2
(1,35)	1:22:A:LYS:HD2	1:23:A:SER:HB3	7	0.18	0.07	0.18
(1,35)	1:22:A:LYS:HD3	1:23:A:SER:HB3	7	0.18	0.07	0.18
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE2	7	0.18	0.07	0.15
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE3	7	0.18	0.07	0.15
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE1	7	0.17	0.05	0.18
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE2	7	0.17	0.05	0.18
(1,1083)	1:39:A:VAL:HG11	1:52:A:ALA:H	7	0.17	0.05	0.15
(1,1083)	1:39:A:VAL:HG12	1:52:A:ALA:H	7	0.17	0.05	0.15
(1,1083)	1:39:A:VAL:HG13	1:52:A:ALA:H	7	0.17	0.05	0.15
(1,1083)	1:39:A:VAL:HG21	1:52:A:ALA:H	7	0.17	0.05	0.15
(1,1083)	1:39:A:VAL:HG22	1:52:A:ALA:H	7	0.17	0.05	0.15
(1,1083)	1:39:A:VAL:HG23	1:52:A:ALA:H	7	0.17	0.05	0.15
(1,36)	1:23:A:SER:H	1:23:A:SER:HB3	7	0.17	0.03	0.17
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG21	7	0.16	0.04	0.17
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG22	7	0.16	0.04	0.17
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG23	7	0.16	0.04	0.17
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB1	7	0.16	0.03	0.17
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB2	7	0.16	0.03	0.17
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB3	7	0.16	0.03	0.17
(1,392)	1:10:A:LEU:H	1:55:A:GLU:HG2	7	0.16	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)
(1,129)	1:38:A:GLU:H	1:53:A:PHE:HA	7	0.16	0.04	0.13
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG2	7	0.16	0.04	0.14
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG3	7	0.16	0.04	0.14
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE1	7	0.15	0.03	0.14
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE2	7	0.15	0.03	0.14
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB2	7	0.15	0.03	0.15
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB3	7	0.15	0.03	0.15
(1,74)	1:13:A:GLY:H	1:81:A:VAL:HA	7	0.14	0.01	0.14
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB1	7	0.13	0.02	0.13
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB2	7	0.13	0.02	0.13
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB3	7	0.13	0.02	0.13
(1,317)	1:8:A:ASP:HB2	1:59:A:VAL:HA	7	0.12	0.02	0.12
(1,964)	1:56:A:TYR:H	1:57:A:VAL:H	7	0.12	0.02	0.11
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD1	6	0.83	0.65	0.78
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD2	6	0.83	0.65	0.78
(1,1533)	1:13:A:GLY:H	1:80:A:HIS:HB3	6	0.58	0.41	0.32
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG2	6	0.51	0.22	0.52
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG3	6	0.51	0.22	0.52
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG2	6	0.51	0.22	0.52
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG3	6	0.51	0.22	0.52
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG2	6	0.51	0.22	0.52
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG3	6	0.51	0.22	0.52
(1,1090)	1:85:A:LYS:HD2	1:86:A:THR:H	6	0.5	0.61	0.22
(1,1090)	1:85:A:LYS:HD3	1:86:A:THR:H	6	0.5	0.61	0.22
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD1	6	0.44	0.18	0.38
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD2	6	0.44	0.18	0.38
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG21	6	0.42	0.35	0.3
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG22	6	0.42	0.35	0.3
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG23	6	0.42	0.35	0.3
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG11	6	0.36	0.24	0.28
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG12	6	0.36	0.24	0.28
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG13	6	0.36	0.24	0.28
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG11	6	0.36	0.24	0.28
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG12	6	0.36	0.24	0.28
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG13	6	0.36	0.24	0.28
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG11	6	0.36	0.24	0.28
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG12	6	0.36	0.24	0.28
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG13	6	0.36	0.24	0.28
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD2	6	0.34	0.18	0.29
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD3	6	0.34	0.18	0.29
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD21	6	0.3	0.24	0.2
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD22	6	0.3	0.24	0.2

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD23	6	0.3	0.24	0.2
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD21	6	0.3	0.24	0.2
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD22	6	0.3	0.24	0.2
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD23	6	0.3	0.24	0.2
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD21	6	0.3	0.24	0.2
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD22	6	0.3	0.24	0.2
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD23	6	0.3	0.24	0.2
(1,249)	1:36:A:ASN:HB3	1:55:A:GLU:HB3	6	0.26	0.11	0.28
(1,1531)	1:13:A:GLY:H	1:80:A:HIS:HB2	6	0.26	0.13	0.22
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG11	6	0.25	0.05	0.24
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG12	6	0.25	0.05	0.24
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG13	6	0.25	0.05	0.24
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG11	6	0.25	0.05	0.24
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG12	6	0.25	0.05	0.24
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG13	6	0.25	0.05	0.24
(1,327)	1:42:A:ASN:HB2	1:47:A:LYS:H	6	0.24	0.07	0.23
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD21	6	0.22	0.08	0.22
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD22	6	0.22	0.08	0.22
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD23	6	0.22	0.08	0.22
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB2	6	0.22	0.08	0.23
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB3	6	0.22	0.08	0.23
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB2	6	0.22	0.08	0.23
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB3	6	0.22	0.08	0.23
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB2	6	0.22	0.08	0.23
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB3	6	0.22	0.08	0.23
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG21	6	0.21	0.08	0.2
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG22	6	0.21	0.08	0.2
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG23	6	0.21	0.08	0.2
(1,1216)	1:17:A:GLU:HB2	1:48:A:ASN:HD21	6	0.2	0.06	0.19
(1,1216)	1:17:A:GLU:HB3	1:48:A:ASN:HD21	6	0.2	0.06	0.19
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD11	6	0.19	0.04	0.17
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD12	6	0.19	0.04	0.17
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD13	6	0.19	0.04	0.17
(1,540)	1:9:A:ILE:HG12	1:55:A:GLU:HA	6	0.18	0.05	0.17
(1,858)	1:9:A:ILE:HD11	1:55:A:GLU:HG2	6	0.18	0.06	0.16
(1,858)	1:9:A:ILE:HD12	1:55:A:GLU:HG2	6	0.18	0.06	0.16
(1,858)	1:9:A:ILE:HD13	1:55:A:GLU:HG2	6	0.18	0.06	0.16
(1,720)	1:39:A:VAL:HG11	1:52:A:ALA:HA	6	0.17	0.06	0.17
(1,720)	1:39:A:VAL:HG12	1:52:A:ALA:HA	6	0.17	0.06	0.17
(1,720)	1:39:A:VAL:HG13	1:52:A:ALA:HA	6	0.17	0.06	0.17
(1,720)	1:39:A:VAL:HG21	1:52:A:ALA:HA	6	0.17	0.06	0.17
(1,720)	1:39:A:VAL:HG22	1:52:A:ALA:HA	6	0.17	0.06	0.17

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,720)	1:39:A:VAL:HG23	1:52:A:ALA:HA	6	0.17	0.06	0.17
(1,1075)	1:41:A:LEU:HD21	1:42:A:ASN:H	6	0.17	0.05	0.18
(1,1075)	1:41:A:LEU:HD22	1:42:A:ASN:H	6	0.17	0.05	0.18
(1,1075)	1:41:A:LEU:HD23	1:42:A:ASN:H	6	0.17	0.05	0.18
(1,47)	1:29:A:SER:HB2	1:34:A:ILE:HG13	6	0.16	0.07	0.15
(1,674)	1:41:A:LEU:HD21	1:46:A:LYS:HA	6	0.16	0.04	0.17
(1,674)	1:41:A:LEU:HD22	1:46:A:LYS:HA	6	0.16	0.04	0.17
(1,674)	1:41:A:LEU:HD23	1:46:A:LYS:HA	6	0.16	0.04	0.17
(1,504)	1:64:A:HIS:HB3	1:65:A:ALA:H	6	0.16	0.04	0.15
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG21	6	0.16	0.04	0.16
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG22	6	0.16	0.04	0.16
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG23	6	0.16	0.04	0.16
(1,495)	1:20:A:ASP:HB3	1:21:A:GLU:HB2	6	0.16	0.05	0.15
(1,1444)	1:41:A:LEU:HD21	1:48:A:ASN:HB2	6	0.16	0.02	0.16
(1,1444)	1:41:A:LEU:HD22	1:48:A:ASN:HB2	6	0.16	0.02	0.16
(1,1444)	1:41:A:LEU:HD23	1:48:A:ASN:HB2	6	0.16	0.02	0.16
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG21	6	0.16	0.03	0.15
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG22	6	0.16	0.03	0.15
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG23	6	0.16	0.03	0.15
(1,1448)	1:17:A:GLU:HG3	1:18:A:THR:HB	6	0.16	0.02	0.16
(1,400)	1:47:A:LYS:HB2	1:49:A:ARG:HG2	6	0.15	0.02	0.15
(1,400)	1:47:A:LYS:HB3	1:49:A:ARG:HG2	6	0.15	0.02	0.15
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD1	6	0.15	0.04	0.14
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD2	6	0.15	0.04	0.14
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD1	6	0.15	0.04	0.14
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD2	6	0.15	0.04	0.14
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD1	6	0.15	0.04	0.14
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD2	6	0.15	0.04	0.14
(1,1412)	1:79:A:ILE:HD11	1:80:A:HIS:HA	6	0.15	0.03	0.15
(1,1412)	1:79:A:ILE:HD12	1:80:A:HIS:HA	6	0.15	0.03	0.15
(1,1412)	1:79:A:ILE:HD13	1:80:A:HIS:HA	6	0.15	0.03	0.15
(1,1122)	1:59:A:VAL:HA	1:61:A:ASP:H	6	0.15	0.04	0.14
(1,1379)	1:34:A:ILE:HA	1:56:A:TYR:HA	6	0.15	0.02	0.14
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD11	6	0.15	0.03	0.15
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD12	6	0.15	0.03	0.15
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD13	6	0.15	0.03	0.15
(1,1150)	1:24:A:LEU:H	1:25:A:TYR:HB2	6	0.14	0.03	0.13
(1,1066)	1:69:A:MET:HB2	1:72:A:PHE:H	6	0.14	0.02	0.14
(1,1066)	1:69:A:MET:HB3	1:72:A:PHE:H	6	0.14	0.02	0.14
(1,244)	1:36:A:ASN:H	1:36:A:ASN:HB2	6	0.13	0.02	0.12
(1,300)	1:9:A:ILE:HB	1:10:A:LEU:H	6	0.13	0.03	0.12
(1,1193)	1:70:A:ASN:H	1:71:A:ASN:HD22	6	0.13	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)
(1,1045)	1:36:A:ASN:HD21	1:37:A:ILE:H	6	0.13	0.03	0.12
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB2	6	0.13	0.02	0.12
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB3	6	0.13	0.02	0.12
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG21	5	1.66	0.09	1.65
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG22	5	1.66	0.09	1.65
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG23	5	1.66	0.09	1.65
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG21	5	1.66	0.09	1.65
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG22	5	1.66	0.09	1.65
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG23	5	1.66	0.09	1.65
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD11	5	1.35	0.63	1.62
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD12	5	1.35	0.63	1.62
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD13	5	1.35	0.63	1.62
(1,1447)	1:9:A:ILE:HA	1:55:A:GLU:HG2	5	0.61	0.52	0.24
(1,519)	1:37:A:ILE:HG12	1:38:A:GLU:H	5	0.44	0.08	0.43
(1,519)	1:37:A:ILE:HG13	1:38:A:GLU:H	5	0.44	0.08	0.43
(1,65)	1:21:A:GLU:HA	1:21:A:GLU:HG3	5	0.31	0.15	0.22
(1,237)	1:16:A:ASP:HB2	1:17:A:GLU:H	5	0.24	0.07	0.26
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG21	5	0.23	0.07	0.26
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG22	5	0.23	0.07	0.26
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG23	5	0.23	0.07	0.26
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE1	5	0.22	0.1	0.18
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE2	5	0.22	0.1	0.18
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE1	5	0.22	0.1	0.18
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE2	5	0.22	0.1	0.18
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE1	5	0.22	0.1	0.18
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE2	5	0.22	0.1	0.18
(1,975)	1:74:A:LEU:H	1:75:A:ASN:H	5	0.21	0.04	0.22
(1,1248)	1:38:A:GLU:HG2	1:53:A:PHE:H	5	0.19	0.05	0.16
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB1	5	0.19	0.05	0.2
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB2	5	0.19	0.05	0.2
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB3	5	0.19	0.05	0.2
(1,1529)	1:19:A:ILE:HD11	1:41:A:LEU:HG	5	0.18	0.04	0.19
(1,1529)	1:19:A:ILE:HD12	1:41:A:LEU:HG	5	0.18	0.04	0.19
(1,1529)	1:19:A:ILE:HD13	1:41:A:LEU:HG	5	0.18	0.04	0.19
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB1	5	0.18	0.03	0.19
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB2	5	0.18	0.03	0.19
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB3	5	0.18	0.03	0.19
(1,1258)	1:23:A:SER:HB2	1:27:A:ILE:H	5	0.18	0.06	0.15
(1,1057)	1:9:A:ILE:HG21	1:54:A:VAL:H	5	0.17	0.07	0.14
(1,1057)	1:9:A:ILE:HG22	1:54:A:VAL:H	5	0.17	0.07	0.14
(1,1057)	1:9:A:ILE:HG23	1:54:A:VAL:H	5	0.17	0.07	0.14
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD2	5	0.17	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)
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD3	5	0.17	0.03	0.16
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG12	5	0.17	0.05	0.15
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG13	5	0.17	0.05	0.15
(1,543)	1:35:A:ARG:HG2	1:36:A:ASN:H	5	0.17	0.04	0.19
(1,543)	1:35:A:ARG:HG3	1:36:A:ASN:H	5	0.17	0.04	0.19
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE2	5	0.17	0.06	0.13
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE3	5	0.17	0.06	0.13
(1,426)	1:85:A:LYS:HB2	1:86:A:THR:H	5	0.17	0.05	0.14
(1,1009)	1:58:A:GLU:HB2	1:59:A:VAL:H	5	0.17	0.04	0.16
(1,1074)	1:41:A:LEU:H	1:42:A:ASN:H	5	0.17	0.08	0.13
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE1	5	0.16	0.02	0.15
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE2	5	0.16	0.02	0.15
(1,479)	1:73:A:GLU:HB2	1:76:A:GLY:H	5	0.16	0.03	0.14
(1,39)	1:22:A:LYS:HB2	1:23:A:SER:HB3	5	0.15	0.03	0.15
(1,39)	1:22:A:LYS:HB3	1:23:A:SER:HB3	5	0.15	0.03	0.15
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD11	5	0.15	0.03	0.15
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD12	5	0.15	0.03	0.15
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD13	5	0.15	0.03	0.15
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB2	5	0.15	0.03	0.17
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB3	5	0.15	0.03	0.17
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB2	5	0.15	0.03	0.17
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB3	5	0.15	0.03	0.17
(1,11)	1:42:A:ASN:HD21	1:44:A:THR:HB	5	0.15	0.03	0.15
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD2	5	0.15	0.03	0.15
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD3	5	0.15	0.03	0.15
(1,486)	1:-1:A:SER:HA	1:0:A:HIS:HB2	5	0.14	0.04	0.12
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG21	5	0.14	0.04	0.13
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG22	5	0.14	0.04	0.13
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG23	5	0.14	0.04	0.13
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE2	5	0.14	0.04	0.12
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE3	5	0.14	0.04	0.12
(1,1237)	1:33:A:ASP:H	1:58:A:GLU:HG2	5	0.14	0.04	0.11
(1,325)	1:79:A:ILE:HB	1:80:A:HIS:H	5	0.13	0.03	0.11
(1,91)	1:22:A:LYS:HA	1:25:A:TYR:H	5	0.12	0.01	0.12
(1,78)	1:34:A:ILE:HA	1:36:A:ASN:H	5	0.12	0.02	0.11
(1,246)	1:15:A:ILE:HA	1:16:A:ASP:HB3	5	0.12	0.01	0.12
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG11	5	0.11	0.02	0.1
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG12	5	0.11	0.02	0.1
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG13	5	0.11	0.02	0.1
(1,568)	1:66:A:LEU:HD21	1:83:A:TYR:HD1	4	1.25	0.65	1.6
(1,568)	1:66:A:LEU:HD21	1:83:A:TYR:HD2	4	1.25	0.65	1.6
(1,568)	1:66:A:LEU:HD22	1:83:A:TYR:HD1	4	1.25	0.65	1.6

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,568)	1:66:A:LEU:HD22	1:83:A:TYR:HD2	4	1.25	0.65	1.6
(1,568)	1:66:A:LEU:HD23	1:83:A:TYR:HD1	4	1.25	0.65	1.6
(1,568)	1:66:A:LEU:HD23	1:83:A:TYR:HD2	4	1.25	0.65	1.6
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD11	4	1.1	0.15	1.06
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD12	4	1.1	0.15	1.06
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD13	4	1.1	0.15	1.06
(1,31)	1:25:A:TYR:HA	1:37:A:ILE:HG12	4	0.98	0.5	1.2
(1,31)	1:25:A:TYR:HA	1:37:A:ILE:HG13	4	0.98	0.5	1.2
(1,23)	1:11:A:PHE:HB2	1:84:A:SER:HB2	4	0.97	0.4	1.12
(1,23)	1:11:A:PHE:HB2	1:84:A:SER:HB3	4	0.97	0.4	1.12
(1,23)	1:11:A:PHE:HB3	1:84:A:SER:HB2	4	0.97	0.4	1.12
(1,23)	1:11:A:PHE:HB3	1:84:A:SER:HB3	4	0.97	0.4	1.12
(1,512)	1:77:A:LYS:HD2	1:78:A:ARG:H	4	0.6	0.6	0.28
(1,512)	1:77:A:LYS:HD3	1:78:A:ARG:H	4	0.6	0.6	0.28
(1,937)	1:80:A:HIS:HB2	1:80:A:HIS:HD2	4	0.44	0.16	0.38
(1,1081)	1:77:A:LYS:H	1:77:A:LYS:HB2	4	0.39	0.23	0.36
(1,272)	1:3:A:ASP:HB2	1:4:A:ASN:H	4	0.3	0.12	0.32
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG21	4	0.28	0.12	0.22
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG22	4	0.28	0.12	0.22
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG23	4	0.28	0.12	0.22
(1,420)	1:10:A:LEU:H	1:54:A:VAL:HB	4	0.26	0.07	0.24
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG21	4	0.26	0.05	0.28
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG22	4	0.26	0.05	0.28
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG23	4	0.26	0.05	0.28
(1,1410)	1:70:A:ASN:HB2	1:80:A:HIS:HA	4	0.24	0.04	0.22
(1,1410)	1:70:A:ASN:HB3	1:80:A:HIS:HA	4	0.24	0.04	0.22
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD21	4	0.22	0.02	0.23
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD22	4	0.22	0.02	0.23
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD23	4	0.22	0.02	0.23
(1,883)	1:15:A:ILE:HD11	1:48:A:ASN:HD21	4	0.22	0.07	0.24
(1,883)	1:15:A:ILE:HD12	1:48:A:ASN:HD21	4	0.22	0.07	0.24
(1,883)	1:15:A:ILE:HD13	1:48:A:ASN:HD21	4	0.22	0.07	0.24
(1,929)	1:11:A:PHE:HB2	1:53:A:PHE:HE1	4	0.22	0.1	0.22
(1,929)	1:11:A:PHE:HB2	1:53:A:PHE:HE2	4	0.22	0.1	0.22
(1,929)	1:11:A:PHE:HB3	1:53:A:PHE:HE1	4	0.22	0.1	0.22
(1,929)	1:11:A:PHE:HB3	1:53:A:PHE:HE2	4	0.22	0.1	0.22
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD11	4	0.21	0.1	0.21
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD12	4	0.21	0.1	0.21
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD13	4	0.21	0.1	0.21
(1,1141)	1:4:A:ASN:H	1:6:A:ALA:H	4	0.21	0.05	0.22
(1,254)	1:41:A:LEU:HD11	1:46:A:LYS:HE2	4	0.2	0.06	0.2
(1,254)	1:41:A:LEU:HD11	1:46:A:LYS:HE3	4	0.2	0.06	0.2

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,254)	1:41:A:LEU:HD12	1:46:A:LYS:HE2	4	0.2	0.06	0.2
(1,254)	1:41:A:LEU:HD12	1:46:A:LYS:HE3	4	0.2	0.06	0.2
(1,254)	1:41:A:LEU:HD13	1:46:A:LYS:HE2	4	0.2	0.06	0.2
(1,254)	1:41:A:LEU:HD13	1:46:A:LYS:HE3	4	0.2	0.06	0.2
(1,557)	1:10:A:LEU:HG	1:28:A:PHE:HD1	4	0.19	0.03	0.2
(1,557)	1:10:A:LEU:HG	1:28:A:PHE:HD2	4	0.19	0.03	0.2
(1,418)	1:54:A:VAL:HB	1:55:A:GLU:H	4	0.19	0.03	0.2
(1,614)	1:66:A:LEU:HD11	1:67:A:TYR:HE1	4	0.18	0.04	0.19
(1,614)	1:66:A:LEU:HD11	1:67:A:TYR:HE2	4	0.18	0.04	0.19
(1,614)	1:66:A:LEU:HD12	1:67:A:TYR:HE1	4	0.18	0.04	0.19
(1,614)	1:66:A:LEU:HD12	1:67:A:TYR:HE2	4	0.18	0.04	0.19
(1,614)	1:66:A:LEU:HD13	1:67:A:TYR:HE1	4	0.18	0.04	0.19
(1,614)	1:66:A:LEU:HD13	1:67:A:TYR:HE2	4	0.18	0.04	0.19
(1,97)	1:17:A:GLU:HA	1:19:A:ILE:H	4	0.18	0.05	0.15
(1,257)	1:77:A:LYS:H	1:77:A:LYS:HE2	4	0.17	0.03	0.18
(1,257)	1:77:A:LYS:H	1:77:A:LYS:HE3	4	0.17	0.03	0.18
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD11	4	0.17	0.02	0.16
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD12	4	0.17	0.02	0.16
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD13	4	0.17	0.02	0.16
(1,221)	1:35:A:ARG:HD2	1:55:A:GLU:HB2	4	0.17	0.02	0.16
(1,221)	1:35:A:ARG:HD3	1:55:A:GLU:HB2	4	0.17	0.02	0.16
(1,242)	1:20:A:ASP:HB3	1:22:A:LYS:H	4	0.17	0.05	0.16
(1,378)	1:21:A:GLU:HG2	1:38:A:GLU:HA	4	0.17	0.05	0.15
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG21	4	0.16	0.07	0.14
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG22	4	0.16	0.07	0.14
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG23	4	0.16	0.07	0.14
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG21	4	0.16	0.07	0.14
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG22	4	0.16	0.07	0.14
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG23	4	0.16	0.07	0.14
(1,953)	1:35:A:ARG:H	1:57:A:VAL:H	4	0.16	0.03	0.17
(1,1165)	1:21:A:GLU:H	1:21:A:GLU:HG3	4	0.16	0.08	0.12
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD11	4	0.16	0.03	0.16
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD12	4	0.16	0.03	0.16
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD13	4	0.16	0.03	0.16
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD11	4	0.16	0.03	0.16
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD12	4	0.16	0.03	0.16
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD13	4	0.16	0.03	0.16
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD11	4	0.16	0.03	0.16
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD12	4	0.16	0.03	0.16
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD13	4	0.16	0.03	0.16
(1,1072)	1:69:A:MET:HB2	1:71:A:ASN:H	4	0.16	0.04	0.17
(1,1072)	1:69:A:MET:HB3	1:71:A:ASN:H	4	0.16	0.04	0.17

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG11	4	0.15	0.01	0.15
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG12	4	0.15	0.01	0.15
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG13	4	0.15	0.01	0.15
(1,2)	1:86:A:THR:HA	1:86:A:THR:HB	4	0.15	0.02	0.15
(1,446)	1:57:A:VAL:HB	1:58:A:GLU:H	4	0.14	0.03	0.14
(1,606)	1:47:A:LYS:HG2	1:48:A:ASN:H	4	0.14	0.03	0.15
(1,606)	1:47:A:LYS:HG3	1:48:A:ASN:H	4	0.14	0.03	0.15
(1,1276)	1:36:A:ASN:H	1:55:A:GLU:H	4	0.14	0.03	0.13
(1,1395)	1:41:A:LEU:HB3	1:46:A:LYS:HA	4	0.14	0.03	0.14
(1,224)	1:35:A:ARG:HD2	1:36:A:ASN:H	4	0.14	0.03	0.12
(1,224)	1:35:A:ARG:HD3	1:36:A:ASN:H	4	0.14	0.03	0.12
(1,227)	1:10:A:LEU:HB3	1:11:A:PHE:H	4	0.14	0.02	0.13
(1,166)	1:8:A:ASP:HA	1:59:A:VAL:HA	4	0.13	0.02	0.14
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG21	4	0.13	0.03	0.12
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG22	4	0.13	0.03	0.12
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG23	4	0.13	0.03	0.12
(1,1220)	1:62:A:ALA:H	1:63:A:LYS:H	4	0.13	0.02	0.14
(1,49)	1:23:A:SER:HA	1:26:A:ASP:HB2	4	0.12	0.02	0.12
(1,306)	1:9:A:ILE:HB	1:84:A:SER:HB2	4	0.12	0.02	0.12
(1,306)	1:9:A:ILE:HB	1:84:A:SER:HB3	4	0.12	0.02	0.12
(1,940)	1:63:A:LYS:HB2	1:64:A:HIS:HD2	3	0.97	0.19	0.87
(1,940)	1:63:A:LYS:HB3	1:64:A:HIS:HD2	3	0.97	0.19	0.87
(1,1544)	1:15:A:ILE:HA	1:77:A:LYS:HE2	3	0.84	0.86	0.35
(1,1544)	1:15:A:ILE:HA	1:77:A:LYS:HE3	3	0.84	0.86	0.35
(1,913)	1:83:A:TYR:H	1:83:A:TYR:HD1	3	0.77	0.32	0.89
(1,913)	1:83:A:TYR:H	1:83:A:TYR:HD2	3	0.77	0.32	0.89
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG21	3	0.32	0.26	0.16
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG22	3	0.32	0.26	0.16
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG23	3	0.32	0.26	0.16
(1,376)	1:21:A:GLU:HG3	1:39:A:VAL:H	3	0.28	0.2	0.18
(1,1347)	1:76:A:GLY:H	1:77:A:LYS:HB2	3	0.25	0.11	0.2
(1,1052)	1:56:A:TYR:HB2	1:62:A:ALA:H	3	0.23	0.1	0.2
(1,494)	1:21:A:GLU:HB2	1:22:A:LYS:H	3	0.22	0.05	0.25
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD11	3	0.22	0.06	0.25
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD12	3	0.22	0.06	0.25
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD13	3	0.22	0.06	0.25
(1,101)	1:17:A:GLU:HA	1:47:A:LYS:HA	3	0.22	0.07	0.21
(1,412)	1:66:A:LEU:HD21	1:81:A:VAL:HB	3	0.21	0.07	0.26
(1,412)	1:66:A:LEU:HD22	1:81:A:VAL:HB	3	0.21	0.07	0.26
(1,412)	1:66:A:LEU:HD23	1:81:A:VAL:HB	3	0.21	0.07	0.26
(1,126)	1:12:A:VAL:HG21	1:53:A:PHE:HA	3	0.21	0.11	0.17
(1,126)	1:12:A:VAL:HG22	1:53:A:PHE:HA	3	0.21	0.11	0.17

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,126)	1:12:A:VAL:HG23	1:53:A:PHE:HA	3	0.21	0.11	0.17
(1,269)	1:72:A:PHE:HB2	1:73:A:GLU:H	3	0.2	0.03	0.21
(1,277)	1:34:A:ILE:HG21	1:37:A:ILE:HB	3	0.2	0.03	0.21
(1,277)	1:34:A:ILE:HG22	1:37:A:ILE:HB	3	0.2	0.03	0.21
(1,277)	1:34:A:ILE:HG23	1:37:A:ILE:HB	3	0.2	0.03	0.21
(1,303)	1:26:A:ASP:H	1:26:A:ASP:HB3	3	0.19	0.03	0.19
(1,487)	1:0:A:HIS:HB2	1:80:A:HIS:HD2	3	0.19	0.04	0.19
(1,870)	1:9:A:ILE:HD11	1:55:A:GLU:HG3	3	0.19	0.07	0.14
(1,870)	1:9:A:ILE:HD12	1:55:A:GLU:HG3	3	0.19	0.07	0.14
(1,870)	1:9:A:ILE:HD13	1:55:A:GLU:HG3	3	0.19	0.07	0.14
(1,488)	1:0:A:HIS:HB3	1:80:A:HIS:HD2	3	0.17	0.03	0.17
(1,258)	1:21:A:GLU:HB3	1:22:A:LYS:HE2	3	0.17	0.02	0.16
(1,258)	1:21:A:GLU:HB3	1:22:A:LYS:HE3	3	0.17	0.02	0.16
(1,405)	1:57:A:VAL:HG21	1:58:A:GLU:HG2	3	0.16	0.06	0.15
(1,405)	1:57:A:VAL:HG22	1:58:A:GLU:HG2	3	0.16	0.06	0.15
(1,405)	1:57:A:VAL:HG23	1:58:A:GLU:HG2	3	0.16	0.06	0.15
(1,406)	1:58:A:GLU:H	1:58:A:GLU:HG3	3	0.16	0.06	0.14
(1,1200)	1:63:A:LYS:HD2	1:64:A:HIS:H	3	0.16	0.03	0.15
(1,1200)	1:63:A:LYS:HD3	1:64:A:HIS:H	3	0.16	0.03	0.15
(1,334)	1:4:A:ASN:HB2	1:6:A:ALA:H	3	0.16	0.06	0.13
(1,334)	1:4:A:ASN:HB3	1:6:A:ALA:H	3	0.16	0.06	0.13
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD21	3	0.16	0.03	0.14
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD22	3	0.16	0.03	0.14
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD23	3	0.16	0.03	0.14
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD21	3	0.16	0.03	0.14
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD22	3	0.16	0.03	0.14
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD23	3	0.16	0.03	0.14
(1,366)	1:73:A:GLU:HG2	1:74:A:LEU:H	3	0.16	0.04	0.13
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD11	3	0.15	0.03	0.15
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD12	3	0.15	0.03	0.15
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD13	3	0.15	0.03	0.15
(1,938)	1:80:A:HIS:H	1:80:A:HIS:HD2	3	0.15	0.03	0.16
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG21	3	0.15	0.04	0.13
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG22	3	0.15	0.04	0.13
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG23	3	0.15	0.04	0.13
(1,1484)	1:24:A:LEU:HD21	1:27:A:ILE:HB	3	0.15	0.04	0.14
(1,1484)	1:24:A:LEU:HD22	1:27:A:ILE:HB	3	0.15	0.04	0.14
(1,1484)	1:24:A:LEU:HD23	1:27:A:ILE:HB	3	0.15	0.04	0.14
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG21	3	0.15	0.02	0.14
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG22	3	0.15	0.02	0.14
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG23	3	0.15	0.02	0.14
(1,137)	1:73:A:GLU:HB2	1:78:A:ARG:HA	3	0.15	0.05	0.12

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1449)	1:38:A:GLU:HG3	1:53:A:PHE:HD1	3	0.15	0.01	0.15
(1,1449)	1:38:A:GLU:HG3	1:53:A:PHE:HD2	3	0.15	0.01	0.15
(1,170)	1:10:A:LEU:HA	1:82:A:ASN:H	3	0.14	0.05	0.12
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB1	3	0.14	0.03	0.13
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB2	3	0.14	0.03	0.13
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB3	3	0.14	0.03	0.13
(1,1290)	1:36:A:ASN:HD21	1:55:A:GLU:HB2	3	0.14	0.01	0.14
(1,435)	1:11:A:PHE:HA	1:12:A:VAL:HB	3	0.14	0.03	0.15
(1,693)	1:7:A:THR:HG21	1:9:A:ILE:H	3	0.14	0.03	0.12
(1,693)	1:7:A:THR:HG22	1:9:A:ILE:H	3	0.14	0.03	0.12
(1,693)	1:7:A:THR:HG23	1:9:A:ILE:H	3	0.14	0.03	0.12
(1,260)	1:6:A:ALA:HB1	1:63:A:LYS:HE2	3	0.13	0.02	0.12
(1,260)	1:6:A:ALA:HB1	1:63:A:LYS:HE3	3	0.13	0.02	0.12
(1,260)	1:6:A:ALA:HB2	1:63:A:LYS:HE2	3	0.13	0.02	0.12
(1,260)	1:6:A:ALA:HB2	1:63:A:LYS:HE3	3	0.13	0.02	0.12
(1,260)	1:6:A:ALA:HB3	1:63:A:LYS:HE2	3	0.13	0.02	0.12
(1,260)	1:6:A:ALA:HB3	1:63:A:LYS:HE3	3	0.13	0.02	0.12
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB1	3	0.13	0.02	0.14
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB2	3	0.13	0.02	0.14
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB3	3	0.13	0.02	0.14
(1,960)	1:10:A:LEU:HB3	1:12:A:VAL:H	3	0.13	0.01	0.13
(1,1101)	1:28:A:PHE:HB2	1:29:A:SER:H	3	0.12	0.02	0.13
(1,467)	1:49:A:ARG:HB2	1:51:A:PHE:HE1	3	0.12	0.02	0.12
(1,467)	1:49:A:ARG:HB2	1:51:A:PHE:HE2	3	0.12	0.02	0.12
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG11	3	0.12	0.02	0.11
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG12	3	0.12	0.02	0.11
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG13	3	0.12	0.02	0.11
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG21	3	0.12	0.02	0.11
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG22	3	0.12	0.02	0.11
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG23	3	0.12	0.02	0.11
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG21	3	0.12	0.02	0.11
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG22	3	0.12	0.02	0.11
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG23	3	0.12	0.02	0.11
(1,407)	1:58:A:GLU:HG3	1:59:A:VAL:H	3	0.12	0.01	0.11
(1,284)	1:66:A:LEU:H	1:66:A:LEU:HB2	3	0.11	0.0	0.11
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG21	3	0.1	0.0	0.1
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG22	3	0.1	0.0	0.1
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG23	3	0.1	0.0	0.1
(1,1394)	1:35:A:ARG:HA	1:35:A:ARG:HD2	2	1.72	0.04	1.72
(1,1394)	1:35:A:ARG:HA	1:35:A:ARG:HD3	2	1.72	0.04	1.72
(1,1294)	1:3:A:ASP:HA	1:4:A:ASN:HD22	2	0.24	0.06	0.24
(1,225)	1:20:A:ASP:HB2	1:22:A:LYS:H	2	0.22	0.04	0.22

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1068)	1:4:A:ASN:HD22	1:6:A:ALA:H	2	0.22	0.09	0.22
(1,565)	1:66:A:LEU:HD21	1:83:A:TYR:H	2	0.22	0.08	0.22
(1,565)	1:66:A:LEU:HD22	1:83:A:TYR:H	2	0.22	0.08	0.22
(1,565)	1:66:A:LEU:HD23	1:83:A:TYR:H	2	0.22	0.08	0.22
(1,362)	1:73:A:GLU:HG2	1:77:A:LYS:H	2	0.21	0.08	0.21
(1,753)	1:6:A:ALA:HB1	1:7:A:THR:H	2	0.21	0.03	0.21
(1,753)	1:6:A:ALA:HB2	1:7:A:THR:H	2	0.21	0.03	0.21
(1,753)	1:6:A:ALA:HB3	1:7:A:THR:H	2	0.21	0.03	0.21
(1,850)	1:24:A:LEU:H	1:37:A:ILE:HG21	2	0.2	0.02	0.2
(1,850)	1:24:A:LEU:H	1:37:A:ILE:HG22	2	0.2	0.02	0.2
(1,850)	1:24:A:LEU:H	1:37:A:ILE:HG23	2	0.2	0.02	0.2
(1,1034)	1:78:A:ARG:H	1:78:A:ARG:HD2	2	0.2	0.06	0.2
(1,1034)	1:78:A:ARG:H	1:78:A:ARG:HD3	2	0.2	0.06	0.2
(1,6)	1:42:A:ASN:HD22	1:44:A:THR:HB	2	0.19	0.07	0.19
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG11	2	0.19	0.04	0.19
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG12	2	0.19	0.04	0.19
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG13	2	0.19	0.04	0.19
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG21	2	0.19	0.04	0.19
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG22	2	0.19	0.04	0.19
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG23	2	0.19	0.04	0.19
(1,396)	1:35:A:ARG:HB2	1:55:A:GLU:HG3	2	0.18	0.06	0.18
(1,507)	1:41:A:LEU:HD11	1:46:A:LYS:HB2	2	0.18	0.05	0.18
(1,507)	1:41:A:LEU:HD12	1:46:A:LYS:HB2	2	0.18	0.05	0.18
(1,507)	1:41:A:LEU:HD13	1:46:A:LYS:HB2	2	0.18	0.05	0.18
(1,595)	1:40:A:PRO:HD3	1:52:A:ALA:HB1	2	0.18	0.0	0.18
(1,595)	1:40:A:PRO:HD3	1:52:A:ALA:HB2	2	0.18	0.0	0.18
(1,595)	1:40:A:PRO:HD3	1:52:A:ALA:HB3	2	0.18	0.0	0.18
(1,1468)	1:24:A:LEU:HD11	1:37:A:ILE:HG21	2	0.18	0.04	0.18
(1,1468)	1:24:A:LEU:HD11	1:37:A:ILE:HG22	2	0.18	0.04	0.18
(1,1468)	1:24:A:LEU:HD11	1:37:A:ILE:HG23	2	0.18	0.04	0.18
(1,1468)	1:24:A:LEU:HD12	1:37:A:ILE:HG21	2	0.18	0.04	0.18
(1,1468)	1:24:A:LEU:HD12	1:37:A:ILE:HG22	2	0.18	0.04	0.18
(1,1468)	1:24:A:LEU:HD12	1:37:A:ILE:HG23	2	0.18	0.04	0.18
(1,1468)	1:24:A:LEU:HD13	1:37:A:ILE:HG21	2	0.18	0.04	0.18
(1,1468)	1:24:A:LEU:HD13	1:37:A:ILE:HG22	2	0.18	0.04	0.18
(1,1468)	1:24:A:LEU:HD13	1:37:A:ILE:HG23	2	0.18	0.04	0.18
(1,687)	1:16:A:ASP:HB3	1:18:A:THR:HG21	2	0.17	0.07	0.17
(1,687)	1:16:A:ASP:HB3	1:18:A:THR:HG22	2	0.17	0.07	0.17
(1,687)	1:16:A:ASP:HB3	1:18:A:THR:HG23	2	0.17	0.07	0.17
(1,1393)	1:35:A:ARG:HA	1:57:A:VAL:HG21	2	0.17	0.01	0.17
(1,1393)	1:35:A:ARG:HA	1:57:A:VAL:HG22	2	0.17	0.01	0.17
(1,1393)	1:35:A:ARG:HA	1:57:A:VAL:HG23	2	0.17	0.01	0.17

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,69)	1:66:A:LEU:HG	1:67:A:TYR:HA	2	0.16	0.02	0.16
(1,387)	1:17:A:GLU:HG3	1:18:A:THR:H	2	0.16	0.01	0.16
(1,1211)	1:41:A:LEU:HD11	1:49:A:ARG:H	2	0.16	0.04	0.16
(1,1211)	1:41:A:LEU:HD12	1:49:A:ARG:H	2	0.16	0.04	0.16
(1,1211)	1:41:A:LEU:HD13	1:49:A:ARG:H	2	0.16	0.04	0.16
(1,1446)	1:17:A:GLU:HG2	1:18:A:THR:HG21	2	0.15	0.04	0.15
(1,1446)	1:17:A:GLU:HG2	1:18:A:THR:HG22	2	0.15	0.04	0.15
(1,1446)	1:17:A:GLU:HG2	1:18:A:THR:HG23	2	0.15	0.04	0.15
(1,586)	1:15:A:ILE:HG12	1:52:A:ALA:HB1	2	0.15	0.02	0.15
(1,586)	1:15:A:ILE:HG12	1:52:A:ALA:HB2	2	0.15	0.02	0.15
(1,586)	1:15:A:ILE:HG12	1:52:A:ALA:HB3	2	0.15	0.02	0.15
(1,586)	1:15:A:ILE:HG13	1:52:A:ALA:HB1	2	0.15	0.02	0.15
(1,586)	1:15:A:ILE:HG13	1:52:A:ALA:HB2	2	0.15	0.02	0.15
(1,586)	1:15:A:ILE:HG13	1:52:A:ALA:HB3	2	0.15	0.02	0.15
(1,1277)	1:36:A:ASN:H	1:55:A:GLU:HG2	2	0.15	0.02	0.15
(1,1148)	1:19:A:ILE:HA	1:24:A:LEU:H	2	0.14	0.01	0.14
(1,109)	1:42:A:ASN:HB2	1:46:A:LYS:HA	2	0.14	0.02	0.14
(1,619)	1:7:A:THR:HB	1:63:A:LYS:HG2	2	0.14	0.02	0.14
(1,619)	1:7:A:THR:HB	1:63:A:LYS:HG3	2	0.14	0.02	0.14
(1,697)	1:7:A:THR:HG21	1:59:A:VAL:HG21	2	0.14	0.02	0.14
(1,697)	1:7:A:THR:HG21	1:59:A:VAL:HG22	2	0.14	0.02	0.14
(1,697)	1:7:A:THR:HG21	1:59:A:VAL:HG23	2	0.14	0.02	0.14
(1,697)	1:7:A:THR:HG22	1:59:A:VAL:HG21	2	0.14	0.02	0.14
(1,697)	1:7:A:THR:HG22	1:59:A:VAL:HG22	2	0.14	0.02	0.14
(1,697)	1:7:A:THR:HG22	1:59:A:VAL:HG23	2	0.14	0.02	0.14
(1,697)	1:7:A:THR:HG23	1:59:A:VAL:HG21	2	0.14	0.02	0.14
(1,697)	1:7:A:THR:HG23	1:59:A:VAL:HG22	2	0.14	0.02	0.14
(1,697)	1:7:A:THR:HG23	1:59:A:VAL:HG23	2	0.14	0.02	0.14
(1,32)	1:25:A:TYR:HA	1:28:A:PHE:HB3	2	0.13	0.01	0.13
(1,118)	1:43:A:MET:HA	1:46:A:LYS:H	2	0.13	0.02	0.13
(1,264)	1:21:A:GLU:HA	1:24:A:LEU:HB2	2	0.13	0.02	0.13
(1,633)	1:10:A:LEU:HD11	1:54:A:VAL:HG21	2	0.13	0.02	0.13
(1,633)	1:10:A:LEU:HD11	1:54:A:VAL:HG22	2	0.13	0.02	0.13
(1,633)	1:10:A:LEU:HD11	1:54:A:VAL:HG23	2	0.13	0.02	0.13
(1,633)	1:10:A:LEU:HD12	1:54:A:VAL:HG21	2	0.13	0.02	0.13
(1,633)	1:10:A:LEU:HD12	1:54:A:VAL:HG22	2	0.13	0.02	0.13
(1,633)	1:10:A:LEU:HD12	1:54:A:VAL:HG23	2	0.13	0.02	0.13
(1,633)	1:10:A:LEU:HD13	1:54:A:VAL:HG21	2	0.13	0.02	0.13
(1,633)	1:10:A:LEU:HD13	1:54:A:VAL:HG22	2	0.13	0.02	0.13
(1,633)	1:10:A:LEU:HD13	1:54:A:VAL:HG23	2	0.13	0.02	0.13
(1,1278)	1:66:A:LEU:HB3	1:68:A:ASN:H	2	0.13	0.02	0.13
(1,1408)	1:65:A:ALA:HA	1:68:A:ASN:HB2	2	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1420)	1:81:A:VAL:HG11	1:82:A:ASN:HA	2	0.13	0.02	0.13
(1,1420)	1:81:A:VAL:HG12	1:82:A:ASN:HA	2	0.13	0.02	0.13
(1,1420)	1:81:A:VAL:HG13	1:82:A:ASN:HA	2	0.13	0.02	0.13
(1,371)	1:21:A:GLU:H	1:21:A:GLU:HG2	2	0.12	0.01	0.12
(1,911)	1:16:A:ASP:HB3	1:19:A:ILE:HD11	2	0.12	0.01	0.12
(1,911)	1:16:A:ASP:HB3	1:19:A:ILE:HD12	2	0.12	0.01	0.12
(1,911)	1:16:A:ASP:HB3	1:19:A:ILE:HD13	2	0.12	0.01	0.12
(1,971)	1:55:A:GLU:H	1:55:A:GLU:HG2	2	0.12	0.02	0.12
(1,193)	1:73:A:GLU:HA	1:74:A:LEU:HB2	2	0.12	0.02	0.12
(1,328)	1:31:A:PHE:HB3	1:32:A:GLY:HA2	2	0.12	0.02	0.12
(1,638)	1:10:A:LEU:HD21	1:83:A:TYR:HD1	2	0.12	0.02	0.12
(1,638)	1:10:A:LEU:HD21	1:83:A:TYR:HD2	2	0.12	0.02	0.12
(1,638)	1:10:A:LEU:HD22	1:83:A:TYR:HD1	2	0.12	0.02	0.12
(1,638)	1:10:A:LEU:HD22	1:83:A:TYR:HD2	2	0.12	0.02	0.12
(1,638)	1:10:A:LEU:HD23	1:83:A:TYR:HD1	2	0.12	0.02	0.12
(1,638)	1:10:A:LEU:HD23	1:83:A:TYR:HD2	2	0.12	0.02	0.12
(1,768)	1:31:A:PHE:HB2	1:65:A:ALA:HB1	2	0.12	0.02	0.12
(1,768)	1:31:A:PHE:HB2	1:65:A:ALA:HB2	2	0.12	0.02	0.12
(1,768)	1:31:A:PHE:HB2	1:65:A:ALA:HB3	2	0.12	0.02	0.12
(1,526)	1:40:A:PRO:HG2	1:53:A:PHE:HE1	2	0.12	0.0	0.12
(1,526)	1:40:A:PRO:HG2	1:53:A:PHE:HE2	2	0.12	0.0	0.12
(1,526)	1:40:A:PRO:HG3	1:53:A:PHE:HE1	2	0.12	0.0	0.12
(1,526)	1:40:A:PRO:HG3	1:53:A:PHE:HE2	2	0.12	0.0	0.12
(1,767)	1:62:A:ALA:HA	1:65:A:ALA:HB1	2	0.12	0.0	0.12
(1,767)	1:62:A:ALA:HA	1:65:A:ALA:HB2	2	0.12	0.0	0.12
(1,767)	1:62:A:ALA:HA	1:65:A:ALA:HB3	2	0.12	0.0	0.12
(1,995)	1:20:A:ASP:H	1:21:A:GLU:H	2	0.12	0.0	0.12
(1,1106)	1:79:A:ILE:H	1:79:A:ILE:HB	2	0.12	0.0	0.12
(1,1343)	1:29:A:SER:H	1:32:A:GLY:H	2	0.12	0.0	0.12
(1,1362)	1:29:A:SER:HB3	1:34:A:ILE:HD11	2	0.12	0.0	0.12
(1,1362)	1:29:A:SER:HB3	1:34:A:ILE:HD12	2	0.12	0.0	0.12
(1,1362)	1:29:A:SER:HB3	1:34:A:ILE:HD13	2	0.12	0.0	0.12
(1,1390)	1:17:A:GLU:HA	1:48:A:ASN:HD22	2	0.12	0.0	0.12
(1,1191)	1:70:A:ASN:H	1:71:A:ASN:HD21	2	0.11	0.01	0.11
(1,1215)	1:41:A:LEU:HD21	1:48:A:ASN:HD21	2	0.11	0.0	0.11
(1,1215)	1:41:A:LEU:HD22	1:48:A:ASN:HD21	2	0.11	0.0	0.11
(1,1215)	1:41:A:LEU:HD23	1:48:A:ASN:HD21	2	0.11	0.0	0.11
(1,1541)	1:14:A:GLY:H	1:51:A:PHE:HA	2	0.11	0.0	0.11
(1,541)	1:48:A:ASN:HA	1:49:A:ARG:HG3	2	0.11	0.0	0.11
(1,1235)	1:30:A:SER:H	1:34:A:ILE:HD11	2	0.11	0.0	0.11
(1,1235)	1:30:A:SER:H	1:34:A:ILE:HD12	2	0.11	0.0	0.11
(1,1235)	1:30:A:SER:H	1:34:A:ILE:HD13	2	0.11	0.0	0.11

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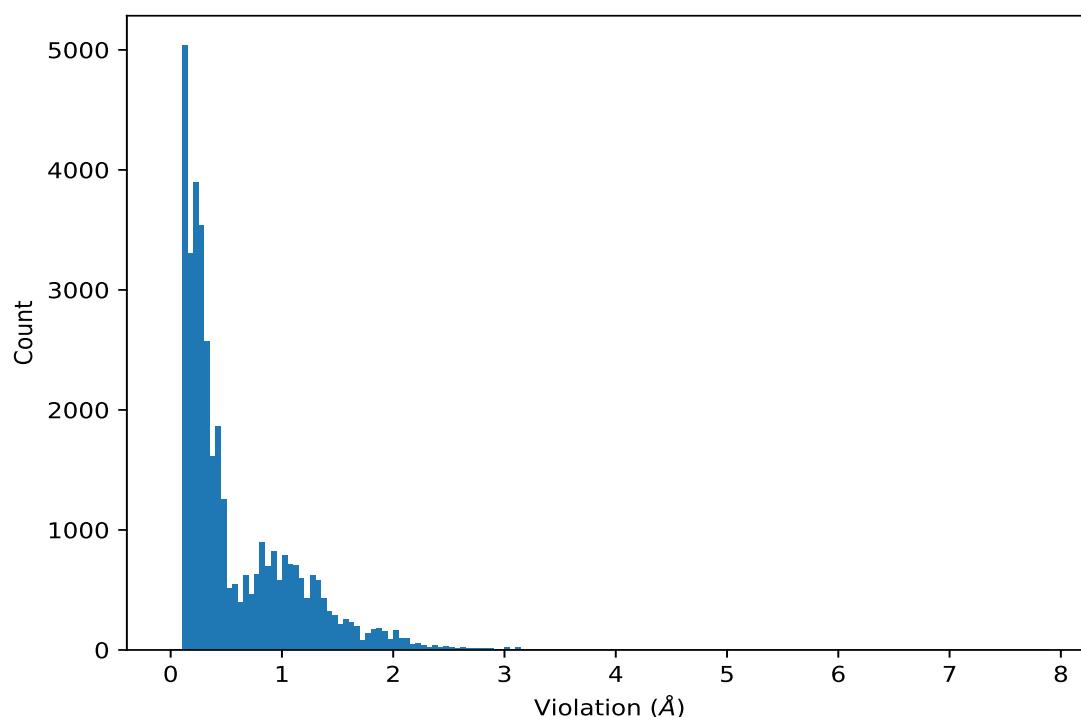
Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1389)	1:64:A:HIS:HA	1:67:A:TYR:HB2	2	0.1	0.0	0.1

<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)
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	15	7.86
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	15	7.5
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	15	6.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	15	6.33
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	15	6.13
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	15	6.06
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	15	5.97
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	17	5.9
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	11	5.87
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	17	5.74
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	13	5.68
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	17	5.55
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	14	5.54
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	17	5.5
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	9	5.48
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	14	5.48
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	7	5.45
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	3	5.38
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	10	5.34
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	12	5.29
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	14	5.22
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	16	5.2
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	12	5.08
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	14	5.04
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	12	5.0
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	18	4.98
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	3	4.96
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	11	4.96
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	18	4.93
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	10	4.92
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	10	4.89
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	12	4.88
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	4	4.74
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	15	4.67
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	15	4.65
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	18	4.63
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	2	4.58
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	14	4.58
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	8	4.56
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	7	4.55
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	2	4.46
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	6	4.4
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	17	4.4
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	20	4.38
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	16	4.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	12	4.33
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	1	4.31
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	5	4.31
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	2	4.3
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	9	4.3
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	13	4.26
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	19	4.22
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	3	4.19
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	18	4.18
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	10	4.15
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	2	4.1
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	20	4.08
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	15	4.06
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	14	4.05
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	12	4.05
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	14	4.03
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	5	4.02
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	7	4.02
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	8	4.02
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	3	4.0
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	18	3.98
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	11	3.97
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	12	3.93
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	20	3.91
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	4	3.91
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	1	3.9
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	3	3.9
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	18	3.88
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	4	3.87
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	20	3.87
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	13	3.84
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	13	3.84
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	14	3.82
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	1	3.72
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	13	3.68
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	18	3.64
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	5	3.63
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	7	3.62
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	2	3.62
(1,1321)	1:15:A:ILE:H	1:74:A:LEU:HA	9	3.59
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	2	3.58
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	14	3.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	19	3.55
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	8	3.53
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	3	3.52
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	12	3.51
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	12	3.5
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	7	3.5
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	6	3.5
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	18	3.47
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	11	3.47
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	6	3.47
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	4	3.41
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	8	3.41
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	20	3.37
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	11	3.32
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	12	3.32
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	3	3.31
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	18	3.3
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	17	3.29
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	8	3.28
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	13	3.25
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	2	3.24
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	2	3.24
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	2	3.24
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	15	3.17
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	15	3.17
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	15	3.17
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	13	3.17
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	16	3.16
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	14	3.14
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	14	3.14
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	20	3.14
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	20	3.14
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	3	3.1
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	3	3.1
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	3	3.1
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	5	3.1
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	5	3.1
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	5	3.1
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	3	3.1
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	9	3.1
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	9	3.1
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	18	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	18	3.1
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	13	3.1
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	4	3.1
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	15	3.09
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	15	3.09
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	13	3.08
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	13	3.08
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	4	3.07
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	4	3.07
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	4	3.07
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	18	3.06
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	20	3.05
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	2	3.05
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	2	3.05
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	8	3.05
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	8	3.05
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	10	3.05
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	10	3.05
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	19	3.05
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	19	3.05
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	16	3.05
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	18	3.03
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	18	3.03
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	18	3.03
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	4	3.03
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	8	3.02
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	8	3.02
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	8	3.02
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	17	3.02
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	4	3.01
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	4	3.01
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	15	3.0
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	15	3.0
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	7	2.99
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	16	2.96
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	16	2.96
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	16	2.96
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	7	2.96
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	7	2.96
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	3	2.95
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	3	2.95
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	7	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	1	2.93
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	1	2.93
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	2	2.92
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	17	2.91
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	17	2.91
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	6	2.9
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	6	2.9
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	6	2.9
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	4	2.9
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	17	2.88
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	11	2.88
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	11	2.88
(1,369)	1:15:A:ILE:HA	1:73:A:GLU:HG3	5	2.88
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	1	2.86
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	2	2.86
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	5	2.85
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	5	2.85
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	18	2.84
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	13	2.83
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	7	2.83
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	7	2.82
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	7	2.82
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	7	2.82
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	13	2.82
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	13	2.82
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	13	2.82
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	11	2.82
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	15	2.81
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	19	2.8
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	19	2.8
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	19	2.8
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	16	2.8
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	16	2.8
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	15	2.79
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	11	2.79
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	11	2.79
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	11	2.79
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	11	2.79
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	11	2.79
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	11	2.79
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	12	2.76
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	12	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	11	2.75
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	11	2.75
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	20	2.72
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	20	2.72
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	20	2.72
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	20	2.72
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	20	2.72
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	20	2.72
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	9	2.71
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	9	2.71
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	9	2.71
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	5	2.71
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	5	2.71
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	13	2.71
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	4	2.7
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	3	2.7
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	13	2.69
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	13	2.69
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	13	2.69
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	13	2.69
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	13	2.69
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	13	2.69
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	14	2.68
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	14	2.68
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	14	2.68
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	19	2.68
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	13	2.68
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	6	2.67
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	6	2.67
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	4	2.67
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD2	6	2.66
(1,1135)	1:22:A:LYS:H	1:22:A:LYS:HD3	6	2.66
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	11	2.64
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	11	2.64
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	10	2.63
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	10	2.63
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	10	2.63
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	13	2.63
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	13	2.63
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	13	2.63
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	2	2.63
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	13	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	13	2.62
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	18	2.61
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	3	2.61
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	3	2.61
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	1	2.61
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	1	2.61
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	4	2.6
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	4	2.6
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	12	2.58
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	12	2.58
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	12	2.58
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	12	2.58
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	12	2.58
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	6	2.56
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	6	2.56
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	6	2.56
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	20	2.56
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	20	2.56
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	20	2.56
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	11	2.55
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	11	2.55
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	16	2.55
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	16	2.55
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	8	2.55
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	13	2.55
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	13	2.55
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	8	2.54
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	8	2.54
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	18	2.53
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	18	2.53
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	18	2.53
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	18	2.53
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	18	2.53
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	18	2.53
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	18	2.52
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	18	2.52
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	2	2.51
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	2	2.51
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	20	2.5
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	20	2.5
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	20	2.5
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	16	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	16	2.5
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	11	2.49
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	20	2.49
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	20	2.49
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	15	2.48
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	14	2.48
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	14	2.48
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	14	2.48
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	14	2.48
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	14	2.48
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	14	2.48
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	20	2.48
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	20	2.48
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	20	2.48
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	17	2.47
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	17	2.46
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	17	2.46
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	20	2.46
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	10	2.45
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	10	2.45
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	13	2.45
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	13	2.45
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	2	2.45
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	2	2.45
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	2	2.45
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	13	2.45
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	13	2.45
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	13	2.45
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	4	2.45
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	4	2.45
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	15	2.45
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	15	2.45
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	17	2.44
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	17	2.44
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	2	2.44
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	2	2.44
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	2	2.44
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	2	2.44
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	2	2.44
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	2	2.44
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	13	2.44
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	13	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	5	2.44
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	5	2.44
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	9	2.44
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	9	2.44
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	1	2.43
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	1	2.43
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	19	2.43
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	7	2.42
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	13	2.42
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	1	2.41
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	11	2.41
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	11	2.41
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	12	2.4
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	12	2.4
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	12	2.4
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	12	2.4
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	12	2.4
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	12	2.4
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	17	2.4
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	17	2.4
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	17	2.4
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	5	2.4
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	17	2.39
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	17	2.39
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	19	2.39
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	9	2.39
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	9	2.39
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	9	2.39
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	9	2.39
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	9	2.39
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	9	2.39
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	1	2.38
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	1	2.38
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	1	2.38
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	4	2.38
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	4	2.38
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	13	2.37
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	18	2.37
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	17	2.36
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	17	2.36
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	17	2.36
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	6	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	6	2.35
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	8	2.35
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	8	2.35
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	15	2.35
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	15	2.35
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	11	2.35
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	20	2.35
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	20	2.35
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	20	2.35
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	17	2.35
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	17	2.35
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	20	2.34
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	14	2.34
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	14	2.34
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	14	2.34
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	17	2.34
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	12	2.33
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	12	2.33
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	17	2.33
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	17	2.33
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	16	2.32
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	14	2.32
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	14	2.32
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	14	2.32
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	15	2.32
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	15	2.32
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	12	2.32
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	12	2.32
(1,1482)	1:10:A:LEU:HD11	1:56:A:TYR:HA	11	2.3
(1,1482)	1:10:A:LEU:HD12	1:56:A:TYR:HA	11	2.3
(1,1482)	1:10:A:LEU:HD13	1:56:A:TYR:HA	11	2.3
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	16	2.3
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	16	2.3
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	14	2.3
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	8	2.3
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	7	2.29
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	7	2.29
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	11	2.28
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	10	2.28
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	10	2.28
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	20	2.27
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	6	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	6	2.27
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	2	2.27
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	9	2.27
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	9	2.27
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	9	2.27
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	6	2.27
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	6	2.27
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	6	2.27
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	6	2.27
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	6	2.27
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	6	2.27
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	20	2.26
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	16	2.26
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	16	2.26
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	16	2.26
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	16	2.26
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	16	2.26
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	16	2.26
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	16	2.26
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	16	2.26
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	7	2.26
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	8	2.25
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	18	2.25
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	11	2.25
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	11	2.25
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	11	2.25
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	11	2.24
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	11	2.24
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	12	2.24
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	17	2.24
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	17	2.24
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	11	2.23
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	11	2.23
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	3	2.23
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	17	2.23
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	17	2.23
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	17	2.23
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	4	2.22
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	4	2.22
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	4	2.22
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	4	2.22
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	4	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	4	2.22
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	8	2.22
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	8	2.22
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	8	2.22
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	8	2.22
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	8	2.22
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	8	2.22
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	1	2.22
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	1	2.22
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	6	2.22
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	6	2.22
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	15	2.21
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	3	2.21
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	3	2.21
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	3	2.21
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	19	2.21
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	19	2.21
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	19	2.21
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	19	2.21
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	19	2.21
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	19	2.21
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	1	2.2
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	1	2.2
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	1	2.2
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	11	2.2
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	11	2.2
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	11	2.2
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	4	2.2
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	4	2.2
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	4	2.2
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	15	2.2
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	15	2.2
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	15	2.2
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	10	2.2
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	10	2.2
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	5	2.19
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	5	2.19
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	5	2.19
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	5	2.19
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	5	2.19
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	5	2.19
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	16	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	16	2.19
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	16	2.19
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	2	2.18
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	12	2.18
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	14	2.18
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	14	2.18
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	2	2.18
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	2	2.18
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	2	2.18
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	3	2.18
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	3	2.18
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	3	2.18
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	16	2.18
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	16	2.18
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	16	2.18
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	9	2.18
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	9	2.18
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	9	2.18
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	2	2.17
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	14	2.17
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	16	2.17
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	14	2.16
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	14	2.16
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	14	2.16
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	5	2.16
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	9	2.16
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	2	2.16
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	2	2.16
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	10	2.16
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	10	2.16
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	10	2.16
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	5	2.16
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	5	2.16
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	16	2.15
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	16	2.15
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	13	2.15
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	13	2.15
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	13	2.15
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	5	2.15
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	5	2.15
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	5	2.15
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	4	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	8	2.14
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	12	2.14
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	12	2.14
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	20	2.14
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	20	2.14
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	9	2.14
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	12	2.14
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	20	2.14
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	2	2.14
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	2	2.14
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	2	2.14
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	2	2.13
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	2	2.13
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	2	2.13
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	1	2.13
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	1	2.13
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	5	2.13
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	5	2.13
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	19	2.13
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	8	2.13
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	9	2.13
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	9	2.13
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	12	2.13
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	12	2.13
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	12	2.13
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	20	2.13
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	20	2.13
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	20	2.13
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	1	2.13
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	1	2.13
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	3	2.12
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	3	2.12
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	4	2.12
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	4	2.12
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	6	2.12
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	8	2.12
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	8	2.12
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	1	2.12
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	10	2.12
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	9	2.12
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	9	2.12
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	9	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	5	2.12
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	16	2.11
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	16	2.11
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	16	2.11
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	16	2.11
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	16	2.11
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	16	2.11
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	5	2.11
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	16	2.11
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	7	2.11
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	19	2.11
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	4	2.11
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	4	2.11
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	4	2.11
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	7	2.11
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	7	2.11
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	7	2.11
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	7	2.11
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	7	2.11
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	7	2.11
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	7	2.11
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	7	2.11
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	13	2.11
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	13	2.11
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	1	2.11
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	1	2.11
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	1	2.11
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	3	2.11
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	3	2.11
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	11	2.1
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	11	2.1
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	8	2.1
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	8	2.1
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	8	2.1
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	8	2.1
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	8	2.1
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	6	2.1
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	6	2.1
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	6	2.1
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	11	2.1
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	11	2.1
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	11	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	2	2.1
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	2	2.1
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	16	2.1
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	16	2.1
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	2	2.1
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	10	2.1
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	10	2.1
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	16	2.1
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	16	2.1
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	17	2.09
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	20	2.09
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	20	2.09
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	2	2.09
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	16	2.09
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	6	2.09
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	6	2.09
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	6	2.09
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	19	2.09
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	19	2.09
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	19	2.09
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	1	2.09
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	1	2.09
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	6	2.09
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	6	2.09
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	6	2.09
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	19	2.09
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	19	2.09
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	19	2.09
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	3	2.09
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	3	2.09
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	3	2.09
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	3	2.09
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	3	2.09
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	8	2.08
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	8	2.08
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	8	2.08
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	8	2.08
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	8	2.08
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	8	2.08
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	5	2.08
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	5	2.08
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	18	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	18	2.08
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	18	2.08
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	7	2.08
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	7	2.08
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	7	2.08
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	20	2.08
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	20	2.08
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	20	2.08
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	7	2.08
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	7	2.08
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	7	2.08
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	7	2.08
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	11	2.07
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	11	2.07
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	11	2.07
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	1	2.07
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	1	2.07
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	1	2.07
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	11	2.07
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	11	2.07
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	5	2.07
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	5	2.07
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	5	2.07
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	15	2.07
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	15	2.07
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	15	2.07
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	10	2.06
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	10	2.06
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	10	2.06
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	10	2.06
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	10	2.06
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	10	2.06
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	10	2.06
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	16	2.06
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	16	2.06
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	5	2.06
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	5	2.06
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	6	2.06
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	17	2.06
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	11	2.06
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	10	2.06
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	10	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	10	2.06
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	12	2.06
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	12	2.06
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	12	2.06
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	10	2.06
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	10	2.06
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	10	2.06
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	10	2.06
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	10	2.06
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	10	2.06
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	17	2.06
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	17	2.06
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	17	2.06
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	17	2.06
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	17	2.06
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	17	2.06
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	18	2.06
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	18	2.06
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	18	2.06
(1,1544)	1:15:A:ILE:HA	1:77:A:LYS:HE2	9	2.05
(1,1544)	1:15:A:ILE:HA	1:77:A:LYS:HE3	9	2.05
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	18	2.05
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	18	2.05
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	18	2.05
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	18	2.05
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	18	2.05
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	18	2.05
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	16	2.05
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	16	2.05
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	16	2.05
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	16	2.05
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	16	2.05
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	18	2.05
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	16	2.05
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	16	2.05
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	14	2.05
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	14	2.05
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	14	2.05
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	1	2.05
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	1	2.05
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	14	2.04
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	14	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	9	2.04
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	9	2.04
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	7	2.04
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	7	2.04
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	7	2.04
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	19	2.04
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	19	2.04
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	19	2.04
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	13	2.04
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	13	2.04
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	13	2.04
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG21	7	2.04
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG22	7	2.04
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG23	7	2.04
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	11	2.04
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	11	2.04
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	11	2.04
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	1	2.04
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	1	2.04
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	10	2.04
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	10	2.04
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	20	2.04
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	20	2.04
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	6	2.04
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	6	2.04
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	8	2.04
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	8	2.04
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	17	2.04
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	17	2.04
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	5	2.03
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	5	2.03
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	5	2.03
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	5	2.03
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	5	2.03
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	5	2.03
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	13	2.03
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	13	2.03
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	13	2.03
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	5	2.03
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	14	2.03
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	9	2.03
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	9	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	9	2.03
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	3	2.03
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	3	2.03
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	3	2.03
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	3	2.03
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	3	2.03
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	3	2.03
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	15	2.03
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	15	2.03
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	15	2.03
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	15	2.03
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	15	2.03
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	15	2.03
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	18	2.03
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	18	2.03
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	8	2.03
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	8	2.03
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	8	2.03
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	3	2.03
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	3	2.03
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	3	2.03
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	20	2.02
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	20	2.02
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	8	2.02
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	1	2.01
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	1	2.01
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	1	2.01
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	4	2.01
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	4	2.01
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	4	2.01
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	19	2.01
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	19	2.01
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	19	2.01
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	19	2.01
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	19	2.01
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	19	2.01
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	9	2.01
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	9	2.01
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	6	2.01
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	6	2.01
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	6	2.01
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	12	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	8	2.01
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	8	2.01
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	1	2.01
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	1	2.01
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	1	2.01
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	4	2.01
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	4	2.01
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	4	2.01
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	5	2.01
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	5	2.01
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	4	2.01
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	4	2.01
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	5	2.01
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	5	2.01
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	14	2.01
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	14	2.01
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	14	2.01
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	17	2.01
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	17	2.01
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	17	2.01
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	1	2.01
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	7	2.0
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	7	2.0
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	7	2.0
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	7	2.0
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	7	2.0
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	7	2.0
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	6	2.0
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	18	2.0
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	8	2.0
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	8	2.0
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	8	2.0
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	16	2.0
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	16	2.0
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	16	2.0
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	20	2.0
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	20	2.0
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	20	2.0
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	3	2.0
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	3	2.0
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	6	2.0
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	6	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	20	2.0
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	20	2.0
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD11	4	2.0
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD12	4	2.0
(1,596)	1:41:A:LEU:HA	1:41:A:LEU:HD13	4	2.0
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	1	2.0
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	1	2.0
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	1	2.0
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	18	2.0
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	18	2.0
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	10	2.0
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	15	2.0
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	1	1.99
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	7	1.99
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	7	1.99
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	13	1.99
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	13	1.99
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	11	1.99
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	11	1.99
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	11	1.99
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	4	1.99
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	4	1.99
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	15	1.99
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	15	1.99
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	18	1.99
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	8	1.98
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	8	1.98
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	8	1.98
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	2	1.98
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	11	1.98
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	19	1.98
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	16	1.98
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	16	1.98
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	16	1.98
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	9	1.98
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	9	1.98
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	9	1.98
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD1	1	1.98
(1,751)	1:6:A:ALA:HB1	1:83:A:TYR:HD2	1	1.98
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD1	1	1.98
(1,751)	1:6:A:ALA:HB2	1:83:A:TYR:HD2	1	1.98
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD1	1	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:6:A:ALA:HB3	1:83:A:TYR:HD2	1	1.98
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	12	1.98
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	12	1.98
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	12	1.98
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	12	1.98
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	12	1.98
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	12	1.98
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	7	1.98
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	15	1.97
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	15	1.97
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	15	1.97
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	15	1.97
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	15	1.97
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	15	1.97
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	1	1.97
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	6	1.97
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	9	1.97
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	9	1.97
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	1	1.97
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	1	1.97
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	1	1.97
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	14	1.97
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	14	1.97
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	14	1.97
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	14	1.97
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	14	1.97
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	11	1.97
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	11	1.97
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	5	1.97
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	5	1.97
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	5	1.97
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	14	1.97
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	14	1.97
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	3	1.96
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	3	1.96
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	3	1.96
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	3	1.96
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	3	1.96
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	3	1.96
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	11	1.96
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	11	1.96
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	11	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	11	1.96
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	11	1.96
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	11	1.96
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	20	1.96
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	20	1.96
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	20	1.96
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	19	1.96
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	19	1.96
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	12	1.96
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	6	1.96
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	20	1.96
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	18	1.96
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	18	1.96
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	18	1.96
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	17	1.96
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	5	1.95
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	5	1.95
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	5	1.95
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	3	1.95
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	6	1.95
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	10	1.95
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	5	1.95
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	5	1.95
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	14	1.95
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	7	1.95
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	18	1.95
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	18	1.95
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	18	1.95
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	18	1.95
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	18	1.95
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	7	1.95
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	7	1.95
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	7	1.95
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	10	1.95
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	10	1.95
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	10	1.95
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	19	1.95
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	19	1.95
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	4	1.95
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	4	1.95
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	9	1.95
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	9	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	17	1.94
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	17	1.94
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	17	1.94
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	17	1.94
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	17	1.94
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	17	1.94
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	6	1.94
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	6	1.94
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	6	1.94
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	14	1.94
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	14	1.94
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	14	1.94
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	9	1.94
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	9	1.94
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	13	1.94
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	13	1.94
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	20	1.94
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	20	1.94
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	20	1.94
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	12	1.94
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	12	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	3	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	3	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	3	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	5	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	5	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	5	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	17	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	17	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	17	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	19	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	19	1.94
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	19	1.94
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	6	1.94
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	6	1.94
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	15	1.94
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	15	1.94
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	15	1.94
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	7	1.94
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	7	1.94
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	12	1.94
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	12	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	15	1.93
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	19	1.93
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	7	1.93
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	17	1.93
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	10	1.93
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	10	1.93
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	18	1.93
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	18	1.93
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	2	1.93
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	2	1.93
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	2	1.93
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	2	1.93
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	2	1.93
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	13	1.93
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	13	1.93
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	13	1.93
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	7	1.93
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	7	1.93
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	7	1.93
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	11	1.93
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	11	1.93
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	11	1.93
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	5	1.93
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	5	1.93
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	5	1.93
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	8	1.93
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	16	1.93
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	16	1.93
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	2	1.92
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	2	1.92
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	2	1.92
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	2	1.92
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	2	1.92
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	2	1.92
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	17	1.92
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	17	1.92
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	17	1.92
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	2	1.92
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	5	1.92
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	7	1.92
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	20	1.92
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	12	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	3	1.92
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	2	1.92
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	2	1.92
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	2	1.92
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	2	1.92
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	2	1.92
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	4	1.92
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	4	1.92
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	4	1.92
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	18	1.92
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	18	1.92
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	18	1.92
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	6	1.92
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	6	1.92
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	14	1.92
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	14	1.92
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	13	1.91
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	13	1.91
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	13	1.91
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	13	1.91
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	13	1.91
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	13	1.91
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	3	1.91
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	3	1.91
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	3	1.91
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	13	1.91
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	4	1.91
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	5	1.91
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	15	1.91
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	14	1.91
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	16	1.91
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	9	1.91
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	9	1.91
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	12	1.91
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	12	1.91
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	12	1.91
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	5	1.91
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	5	1.91
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	5	1.91
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	19	1.91
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	19	1.91
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	19	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	18	1.91
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	18	1.91
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	1	1.9
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	1	1.9
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	1	1.9
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	1	1.9
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	1	1.9
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	1	1.9
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	4	1.9
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	4	1.9
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	4	1.9
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	4	1.9
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	4	1.9
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	4	1.9
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	19	1.9
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	19	1.9
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	11	1.9
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	11	1.9
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	11	1.9
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	11	1.9
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	10	1.9
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	10	1.9
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	10	1.9
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	6	1.9
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	6	1.9
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	6	1.9
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	1	1.9
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	1	1.9
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	1	1.9
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	16	1.9
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	3	1.9
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	3	1.9
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	7	1.9
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	7	1.9
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	9	1.89
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	9	1.89
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	9	1.89
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	17	1.89
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	17	1.89
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	17	1.89
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	7	1.89
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	4	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	4	1.89
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	10	1.89
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	17	1.89
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	9	1.89
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	1	1.89
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	1	1.89
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	10	1.89
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	10	1.89
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	10	1.89
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	14	1.89
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	14	1.89
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	14	1.89
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	4	1.89
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	4	1.89
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	4	1.89
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	6	1.89
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	6	1.89
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	6	1.89
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	9	1.89
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	9	1.89
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	18	1.89
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	18	1.89
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	18	1.89
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	15	1.89
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	11	1.89
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	11	1.89
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	13	1.88
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	13	1.88
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	13	1.88
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	19	1.88
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	19	1.88
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	19	1.88
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	17	1.88
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	7	1.88
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	7	1.88
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	19	1.88
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	19	1.88
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	6	1.88
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	6	1.88
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	7	1.88
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	7	1.88
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	7	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	10	1.88
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	10	1.88
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	10	1.88
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	2	1.88
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	2	1.88
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	18	1.88
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	18	1.88
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	18	1.88
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	12	1.87
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	12	1.87
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	12	1.87
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	9	1.87
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	9	1.87
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	9	1.87
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	7	1.87
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	7	1.87
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	13	1.87
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	13	1.87
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	10	1.87
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	10	1.87
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	6	1.87
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	14	1.87
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	14	1.87
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	1	1.87
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	1	1.87
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	12	1.87
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	12	1.87
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	10	1.87
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	10	1.87
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	10	1.87
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	16	1.87
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	16	1.87
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	16	1.87
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	11	1.87
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	3	1.86
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	3	1.86
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	3	1.86
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	3	1.86
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	3	1.86
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	3	1.86
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	3	1.86
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	3	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	3	1.86
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	4	1.86
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	4	1.86
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	9	1.86
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	9	1.86
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	16	1.86
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	10	1.86
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	13	1.86
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	3	1.86
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	17	1.86
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	17	1.86
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	4	1.86
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	4	1.86
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	5	1.86
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	5	1.86
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	5	1.86
(1,1090)	1:85:A:LYS:HD2	1:86:A:THR:H	1	1.86
(1,1090)	1:85:A:LYS:HD3	1:86:A:THR:H	1	1.86
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	4	1.86
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	15	1.86
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	15	1.86
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	15	1.86
(1,756)	1:6:A:ALA:HB1	1:9:A:ILE:HB	20	1.86
(1,756)	1:6:A:ALA:HB2	1:9:A:ILE:HB	20	1.86
(1,756)	1:6:A:ALA:HB3	1:9:A:ILE:HB	20	1.86
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	4	1.86
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	4	1.86
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	4	1.86
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	6	1.86
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	6	1.86
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	19	1.86
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	19	1.86
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	19	1.86
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	17	1.86
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	17	1.86
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	17	1.86
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	12	1.86
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	12	1.86
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	12	1.86
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	9	1.86
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	9	1.86
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	1	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	1	1.86
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	1	1.85
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	18	1.85
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	15	1.85
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	13	1.85
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	13	1.85
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD11	15	1.85
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD12	15	1.85
(1,896)	1:34:A:ILE:HA	1:34:A:ILE:HD13	15	1.85
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	3	1.85
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	3	1.85
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	6	1.85
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	6	1.85
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	6	1.85
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	16	1.85
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	16	1.85
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	13	1.84
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	13	1.84
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	13	1.84
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	13	1.84
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	13	1.84
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	13	1.84
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	9	1.84
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	9	1.84
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	20	1.84
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	11	1.84
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	19	1.84
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	19	1.84
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	12	1.84
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	12	1.84
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	12	1.84
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	14	1.84
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	14	1.84
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	14	1.84
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	13	1.84
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	13	1.84
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	13	1.84
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	16	1.84
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	16	1.84
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	16	1.84
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	20	1.83
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	20	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	20	1.83
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	20	1.83
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	20	1.83
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	20	1.83
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	20	1.83
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	20	1.83
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	20	1.83
(1,1317)	1:16:A:ASP:HB2	1:18:A:THR:H	13	1.83
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	4	1.83
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	6	1.83
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	13	1.83
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	3	1.83
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	3	1.83
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	18	1.83
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	18	1.83
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	2	1.83
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	2	1.83
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	15	1.83
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	8	1.83
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	8	1.83
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	8	1.83
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	17	1.83
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	17	1.83
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	17	1.83
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	3	1.83
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	3	1.83
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	10	1.83
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	17	1.83
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	13	1.83
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	15	1.82
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	15	1.82
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	15	1.82
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	18	1.82
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	18	1.82
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	12	1.82
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	12	1.82
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	6	1.82
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	6	1.82
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	6	1.82
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	9	1.82
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	9	1.82
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	9	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	16	1.82
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	16	1.82
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	16	1.82
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	18	1.82
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	18	1.82
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	18	1.82
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	16	1.82
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	16	1.82
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	16	1.82
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	16	1.82
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	16	1.82
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	16	1.82
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	20	1.82
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	20	1.82
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	20	1.82
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	4	1.82
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	4	1.82
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	3	1.82
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	3	1.82
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	3	1.82
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	12	1.82
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	12	1.82
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	12	1.82
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	19	1.82
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	19	1.82
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	19	1.82
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	3	1.82
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	3	1.82
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	3	1.82
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	11	1.82
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	11	1.82
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	11	1.82
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE1	3	1.82
(1,200)	1:32:A:GLY:HA3	1:56:A:TYR:HE2	3	1.82
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	8	1.81
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	8	1.81
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	8	1.81
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	14	1.81
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	14	1.81
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	14	1.81
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	14	1.81
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	14	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	14	1.81
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	18	1.81
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	18	1.81
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	18	1.81
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	18	1.81
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	7	1.81
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	4	1.81
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	4	1.81
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	4	1.81
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	4	1.81
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	11	1.81
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	11	1.81
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	8	1.81
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	8	1.81
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	8	1.81
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	5	1.81
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	5	1.81
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	5	1.81
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	8	1.81
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	8	1.81
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	15	1.81
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	15	1.81
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	15	1.81
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	4	1.8
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	4	1.8
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	4	1.8
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	4	1.8
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	4	1.8
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	4	1.8
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	1	1.8
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	1	1.8
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	1	1.8
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	1	1.8
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	1	1.8
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	2	1.8
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	2	1.8
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	10	1.8
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	10	1.8
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	8	1.8
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	1	1.8
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	2	1.8
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	4	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	8	1.8
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	10	1.8
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	10	1.8
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	8	1.8
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	8	1.8
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	16	1.8
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	16	1.8
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	1	1.8
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	1	1.8
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	9	1.8
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	9	1.8
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	10	1.8
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	10	1.8
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	10	1.8
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	11	1.8
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	11	1.8
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	16	1.8
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	16	1.8
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	16	1.8
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	16	1.79
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	2	1.79
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	2	1.79
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	14	1.79
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	14	1.79
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	2	1.79
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	2	1.79
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	2	1.79
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	2	1.79
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	2	1.79
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	2	1.79
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	2	1.79
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	2	1.79
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	2	1.79
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	2	1.79
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	2	1.79
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	8	1.79
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	8	1.79
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	8	1.79
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	8	1.79
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	8	1.79
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	4	1.79
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	4	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	14	1.79
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	14	1.79
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	18	1.79
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	18	1.79
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	3	1.79
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	3	1.79
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	6	1.78
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	6	1.78
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	6	1.78
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	6	1.78
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	6	1.78
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	6	1.78
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	10	1.78
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	10	1.78
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	10	1.78
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	8	1.78
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	8	1.78
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	13	1.78
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	13	1.78
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	15	1.78
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	15	1.78
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	18	1.78
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	18	1.78
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	17	1.78
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	17	1.78
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	9	1.78
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	12	1.78
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	12	1.78
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	10	1.78
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	10	1.78
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	6	1.77
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	6	1.77
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	6	1.77
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	7	1.77
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	7	1.77
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	6	1.77
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	6	1.77
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	6	1.77
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	6	1.77
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	6	1.77
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	6	1.77
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	6	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	6	1.77
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	6	1.77
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	3	1.77
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	3	1.77
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	3	1.77
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	4	1.77
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	4	1.77
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	4	1.77
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	12	1.77
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	12	1.77
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	12	1.77
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	7	1.77
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	7	1.77
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	15	1.77
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	15	1.77
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	15	1.77
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	7	1.77
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	7	1.77
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	10	1.77
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	10	1.77
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	2	1.77
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	2	1.77
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	2	1.77
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	3	1.77
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	9	1.77
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	19	1.77
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG21	12	1.76
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG22	12	1.76
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG23	12	1.76
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG21	12	1.76
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG22	12	1.76
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG23	12	1.76
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	4	1.76
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	5	1.76
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	2	1.76
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	2	1.76
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	6	1.76
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	6	1.76
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	8	1.76
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	8	1.76
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	8	1.76
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	20	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	20	1.76
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	20	1.76
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD11	5	1.76
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD12	5	1.76
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD13	5	1.76
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	5	1.76
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	5	1.76
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	5	1.76
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	17	1.76
(1,1394)	1:35:A:ARG:HA	1:35:A:ARG:HD2	7	1.75
(1,1394)	1:35:A:ARG:HA	1:35:A:ARG:HD3	7	1.75
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	14	1.75
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	14	1.75
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	7	1.75
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	14	1.75
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	20	1.75
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	8	1.75
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	8	1.75
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	8	1.75
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	11	1.75
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	11	1.75
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	11	1.75
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	17	1.75
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	17	1.75
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	17	1.75
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	2	1.75
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	2	1.75
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	2	1.75
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	7	1.75
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	7	1.75
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	15	1.75
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	15	1.75
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	7	1.74
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	7	1.74
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	7	1.74
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	6	1.74
(1,1317)	1:16:A:ASP:HB2	1:18:A:THR:H	20	1.74
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	7	1.74
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	15	1.74
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	12	1.74
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	12	1.74
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	8	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	15	1.74
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	15	1.74
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	15	1.74
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	2	1.74
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	10	1.74
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	10	1.74
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	10	1.74
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	20	1.74
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG21	11	1.73
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG22	11	1.73
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG23	11	1.73
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG21	11	1.73
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG22	11	1.73
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG23	11	1.73
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	12	1.73
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	6	1.73
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	15	1.73
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	15	1.73
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	18	1.73
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	1	1.73
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	10	1.73
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	7	1.73
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	7	1.73
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	7	1.73
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	14	1.73
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	14	1.73
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	14	1.73
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	7	1.73
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	2	1.73
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	3	1.73
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	16	1.72
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	15	1.72
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	15	1.72
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	2	1.72
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	16	1.72
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	16	1.72
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	16	1.72
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	16	1.72
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	13	1.72
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	13	1.72
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	13	1.72
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	14	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	14	1.72
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	14	1.72
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	7	1.72
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	7	1.72
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	19	1.72
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	19	1.72
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	15	1.72
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	15	1.72
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	2	1.72
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	2	1.72
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	14	1.71
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	11	1.71
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	11	1.71
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	18	1.71
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	18	1.71
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	8	1.71
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	8	1.71
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	8	1.71
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	17	1.71
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	17	1.71
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	17	1.71
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	1	1.71
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	1	1.71
(1,440)	1:43:A:MET:H	1:43:A:MET:HG2	14	1.71
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	20	1.71
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	20	1.71
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	19	1.71
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	19	1.71
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	14	1.7
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	14	1.7
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	14	1.7
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	14	1.7
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	14	1.7
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	14	1.7
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	14	1.7
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	14	1.7
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	14	1.7
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	12	1.7
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	12	1.7
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	12	1.7
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	12	1.7
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	12	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	12	1.7
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	5	1.7
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	5	1.7
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	5	1.7
(1,1317)	1:16:A:ASP:HB2	1:18:A:THR:H	16	1.7
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	9	1.7
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	6	1.7
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	6	1.7
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	15	1.7
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	15	1.7
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD11	14	1.7
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD12	14	1.7
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD13	14	1.7
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	15	1.7
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	15	1.7
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	15	1.7
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	15	1.7
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	15	1.7
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	15	1.7
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	15	1.7
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	15	1.7
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	15	1.7
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	5	1.7
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	5	1.7
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	5	1.7
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	15	1.7
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	15	1.7
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	15	1.7
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	3	1.7
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	3	1.7
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	3	1.7
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	4	1.7
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	13	1.7
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	13	1.7
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	19	1.69
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	19	1.69
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	19	1.69
(1,1351)	1:9:A:ILE:HG21	1:86:A:THR:HB	16	1.69
(1,1351)	1:9:A:ILE:HG22	1:86:A:THR:HB	16	1.69
(1,1351)	1:9:A:ILE:HG23	1:86:A:THR:HB	16	1.69
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	8	1.69
(1,1209)	1:49:A:ARG:H	1:49:A:ARG:HG2	13	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	2	1.69
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	8	1.69
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	16	1.69
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	1	1.68
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	1	1.68
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	1	1.68
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	1	1.68
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	1	1.68
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	1	1.68
(1,1394)	1:35:A:ARG:HA	1:35:A:ARG:HD2	10	1.68
(1,1394)	1:35:A:ARG:HA	1:35:A:ARG:HD3	10	1.68
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	19	1.68
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	11	1.68
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	3	1.68
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	7	1.68
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	7	1.68
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	12	1.68
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	12	1.68
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	13	1.68
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	8	1.68
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	12	1.68
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	12	1.68
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	12	1.68
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	19	1.68
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	19	1.68
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	19	1.68
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	2	1.68
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	2	1.68
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	17	1.68
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	17	1.68
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	18	1.68
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	8	1.68
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	8	1.68
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	8	1.68
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	13	1.68
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	13	1.68
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	13	1.68
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	19	1.68
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	19	1.68
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	19	1.68
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	11	1.68
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	19	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	17	1.68
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	17	1.68
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	18	1.67
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	18	1.67
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	7	1.67
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	12	1.67
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	14	1.67
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	1	1.67
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	6	1.67
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE2	8	1.67
(1,1118)	1:22:A:LYS:H	1:22:A:LYS:HE3	8	1.67
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	12	1.67
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	12	1.67
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	3	1.67
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	3	1.67
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	12	1.67
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	12	1.67
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	4	1.67
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	4	1.67
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	4	1.67
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	11	1.67
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	11	1.67
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	11	1.67
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	11	1.67
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	11	1.67
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	11	1.67
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	11	1.67
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	11	1.67
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	11	1.67
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	4	1.67
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	4	1.67
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	5	1.67
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	5	1.67
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	20	1.67
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	20	1.67
(1,568)	1:66:A:LEU:HD21	1:83:A:TYR:HD1	11	1.67
(1,568)	1:66:A:LEU:HD21	1:83:A:TYR:HD2	11	1.67
(1,568)	1:66:A:LEU:HD22	1:83:A:TYR:HD1	11	1.67
(1,568)	1:66:A:LEU:HD22	1:83:A:TYR:HD2	11	1.67
(1,568)	1:66:A:LEU:HD23	1:83:A:TYR:HD1	11	1.67
(1,568)	1:66:A:LEU:HD23	1:83:A:TYR:HD2	11	1.67
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	1	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	19	1.67
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	15	1.67
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	5	1.67
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	5	1.67
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	19	1.66
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	19	1.66
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	19	1.66
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	19	1.66
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	19	1.66
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	19	1.66
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	19	1.66
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	19	1.66
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	19	1.66
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	4	1.66
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	4	1.66
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	4	1.66
(1,1372)	1:12:A:VAL:HG11	1:81:A:VAL:HA	12	1.66
(1,1372)	1:12:A:VAL:HG12	1:81:A:VAL:HA	12	1.66
(1,1372)	1:12:A:VAL:HG13	1:81:A:VAL:HA	12	1.66
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	15	1.66
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	15	1.66
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	15	1.66
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	3	1.66
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	11	1.66
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	1	1.66
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	7	1.66
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	7	1.66
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	5	1.66
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	10	1.66
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	16	1.66
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	14	1.66
(1,967)	1:55:A:GLU:HG2	1:56:A:TYR:H	6	1.66
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD1	3	1.66
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD2	3	1.66
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	5	1.66
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	5	1.66
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	5	1.66
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	4	1.66
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	4	1.66
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	4	1.66
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	7	1.66
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	7	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	7	1.66
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	7	1.66
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	7	1.66
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	7	1.66
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	7	1.66
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	7	1.66
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	7	1.66
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	3	1.66
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	3	1.66
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	3	1.66
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	6	1.66
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	3	1.66
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	4	1.66
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	5	1.66
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	5	1.66
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG21	10	1.65
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG22	10	1.65
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG23	10	1.65
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG21	10	1.65
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG22	10	1.65
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG23	10	1.65
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	9	1.65
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	3	1.65
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	10	1.65
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	10	1.65
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	10	1.65
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	18	1.65
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	18	1.65
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	18	1.65
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	1	1.65
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	1	1.65
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	1	1.65
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	1	1.65
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	1	1.65
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	1	1.65
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	1	1.65
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	1	1.65
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	1	1.65
(1,620)	1:77:A:LYS:HG2	1:78:A:ARG:H	17	1.65
(1,620)	1:77:A:LYS:HG3	1:78:A:ARG:H	17	1.65
(1,568)	1:66:A:LEU:HD21	1:83:A:TYR:HD1	20	1.65
(1,568)	1:66:A:LEU:HD21	1:83:A:TYR:HD2	20	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:66:A:LEU:HD22	1:83:A:TYR:HD1	20	1.65
(1,568)	1:66:A:LEU:HD22	1:83:A:TYR:HD2	20	1.65
(1,568)	1:66:A:LEU:HD23	1:83:A:TYR:HD1	20	1.65
(1,568)	1:66:A:LEU:HD23	1:83:A:TYR:HD2	20	1.65
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	3	1.65
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	3	1.65
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	14	1.65
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	5	1.65
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	5	1.65
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	18	1.65
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	18	1.65
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	17	1.64
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	17	1.64
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	17	1.64
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	2	1.64
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	2	1.64
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	2	1.64
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	18	1.64
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	18	1.64
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	18	1.64
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	20	1.64
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	3	1.64
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	3	1.64
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	18	1.64
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	18	1.64
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	11	1.64
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	11	1.64
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	11	1.64
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	14	1.64
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	14	1.64
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	14	1.64
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	2	1.64
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	2	1.64
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG2	18	1.64
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG3	18	1.64
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	2	1.64
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	2	1.64
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	5	1.64
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	5	1.64
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	14	1.64
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	9	1.64
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	12	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	14	1.64
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	14	1.64
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	20	1.64
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	10	1.64
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	11	1.64
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	12	1.64
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	9	1.64
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	6	1.63
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	6	1.63
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	6	1.63
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	6	1.63
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	6	1.63
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	6	1.63
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	6	1.63
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	6	1.63
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	6	1.63
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG21	16	1.63
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG22	16	1.63
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG23	16	1.63
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG21	16	1.63
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG22	16	1.63
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG23	16	1.63
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	3	1.63
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	3	1.63
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	3	1.63
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	6	1.63
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	6	1.63
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	14	1.63
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	14	1.63
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	18	1.63
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	15	1.63
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	15	1.63
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	13	1.63
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	13	1.63
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	16	1.63
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	16	1.63
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	8	1.63
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	10	1.63
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	13	1.63
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	13	1.63
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	5	1.63
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	5	1.63
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	5	1.63
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG2	12	1.63
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG3	12	1.63
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	8	1.63
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	8	1.63
(1,512)	1:77:A:LYS:HD2	1:78:A:ARG:H	19	1.63
(1,512)	1:77:A:LYS:HD3	1:78:A:ARG:H	19	1.63
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	20	1.63
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	20	1.63
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	13	1.63
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	19	1.63
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	20	1.63
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	5	1.63
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	19	1.63
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	19	1.63
(1,1255)	1:22:A:LYS:HD2	1:23:A:SER:H	20	1.62
(1,1255)	1:22:A:LYS:HD3	1:23:A:SER:H	20	1.62
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	3	1.62
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	3	1.62
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	19	1.62
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	19	1.62
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	18	1.62
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD11	8	1.62
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD12	8	1.62
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD13	8	1.62
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	14	1.62
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	14	1.62
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	14	1.62
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	14	1.62
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	14	1.62
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	14	1.62
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	14	1.62
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	14	1.62
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	14	1.62
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	8	1.62
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	8	1.62
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	8	1.62
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	16	1.62
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	16	1.62
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	4	1.62
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	4	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	10	1.62
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	10	1.62
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	10	1.62
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	9	1.61
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	9	1.61
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	9	1.61
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	9	1.61
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	9	1.61
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	9	1.61
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	9	1.61
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	9	1.61
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	9	1.61
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	1	1.61
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	1	1.61
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	1	1.61
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	19	1.61
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	19	1.61
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	19	1.61
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	17	1.61
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	17	1.61
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	4	1.61
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	16	1.61
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	1	1.61
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	1	1.61
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	12	1.61
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	13	1.61
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	9	1.61
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	9	1.61
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	20	1.61
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	15	1.61
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	15	1.61
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	6	1.61
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	6	1.61
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	6	1.61
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB1	19	1.61
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB2	19	1.61
(1,593)	1:14:A:GLY:HA3	1:52:A:ALA:HB3	19	1.61
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	7	1.61
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	7	1.61
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	7	1.61
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	5	1.61
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	5	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	15	1.6
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	15	1.6
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	15	1.6
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	12	1.6
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	12	1.6
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	17	1.6
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	7	1.6
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	7	1.6
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	6	1.6
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	6	1.6
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	10	1.6
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	10	1.6
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	10	1.6
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	18	1.6
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	17	1.6
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	17	1.6
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	17	1.6
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	17	1.6
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	17	1.6
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	17	1.6
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	17	1.6
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	17	1.6
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	17	1.6
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	11	1.6
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	11	1.6
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	11	1.6
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG2	14	1.6
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG3	14	1.6
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	4	1.6
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	4	1.6
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	3	1.6
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	14	1.6
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	18	1.6
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	18	1.6
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	15	1.6
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	15	1.6
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	15	1.6
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	4	1.6
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	7	1.59
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	7	1.59
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	7	1.59
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	8	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	8	1.59
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	8	1.59
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	5	1.59
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	5	1.59
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	10	1.59
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	10	1.59
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	10	1.59
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	5	1.59
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	13	1.59
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	13	1.59
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	13	1.59
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	13	1.59
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	20	1.59
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	20	1.59
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	19	1.59
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	19	1.59
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	19	1.59
(1,709)	1:57:A:VAL:HG11	1:58:A:GLU:HG2	17	1.59
(1,709)	1:57:A:VAL:HG12	1:58:A:GLU:HG2	17	1.59
(1,709)	1:57:A:VAL:HG13	1:58:A:GLU:HG2	17	1.59
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	4	1.59
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	4	1.59
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	4	1.59
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	4	1.59
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	4	1.59
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	4	1.59
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	4	1.59
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	4	1.59
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	4	1.59
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	18	1.59
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	18	1.59
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	1	1.59
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	11	1.59
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	7	1.59
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	7	1.59
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	7	1.59
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	7	1.59
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	6	1.59
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	6	1.59
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	4	1.58
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	4	1.58
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	4	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	4	1.58
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	4	1.58
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	4	1.58
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	4	1.58
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	4	1.58
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	4	1.58
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	13	1.58
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	13	1.58
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	13	1.58
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	13	1.58
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	13	1.58
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	13	1.58
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	13	1.58
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	13	1.58
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	13	1.58
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	11	1.58
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	11	1.58
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	11	1.58
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	13	1.58
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	2	1.58
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	2	1.58
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	5	1.58
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	6	1.58
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	14	1.58
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	15	1.58
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	3	1.58
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	3	1.58
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	3	1.58
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD11	4	1.58
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD12	4	1.58
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD13	4	1.58
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	17	1.58
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	17	1.58
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	17	1.58
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	10	1.58
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	10	1.58
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	10	1.58
(1,709)	1:57:A:VAL:HG11	1:58:A:GLU:HG2	19	1.58
(1,709)	1:57:A:VAL:HG12	1:58:A:GLU:HG2	19	1.58
(1,709)	1:57:A:VAL:HG13	1:58:A:GLU:HG2	19	1.58
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	19	1.58
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	19	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	4	1.58
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	4	1.58
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	19	1.58
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	19	1.58
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	5	1.58
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	9	1.58
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	19	1.58
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	14	1.58
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	13	1.58
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	10	1.57
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	10	1.57
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	10	1.57
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	10	1.57
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	10	1.57
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	10	1.57
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	10	1.57
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	10	1.57
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	10	1.57
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	19	1.57
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	19	1.57
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	19	1.57
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	19	1.57
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	19	1.57
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	19	1.57
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	9	1.57
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	9	1.57
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	9	1.57
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	9	1.57
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	9	1.57
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	9	1.57
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	7	1.57
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	7	1.57
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	7	1.57
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	14	1.57
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	14	1.57
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	14	1.57
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	17	1.57
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	17	1.57
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	15	1.57
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	13	1.57
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	9	1.57
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	9	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	3	1.57
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	1	1.57
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	1	1.57
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	1	1.57
(1,709)	1:57:A:VAL:HG11	1:58:A:GLU:HG2	14	1.57
(1,709)	1:57:A:VAL:HG12	1:58:A:GLU:HG2	14	1.57
(1,709)	1:57:A:VAL:HG13	1:58:A:GLU:HG2	14	1.57
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG2	17	1.57
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG3	17	1.57
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	1	1.57
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	1	1.57
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	15	1.57
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	15	1.57
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	5	1.57
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	14	1.57
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	12	1.57
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	20	1.57
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	20	1.57
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	20	1.57
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	20	1.57
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	20	1.57
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	17	1.56
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	17	1.56
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	17	1.56
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	17	1.56
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	17	1.56
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	17	1.56
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	17	1.56
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	17	1.56
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	17	1.56
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	5	1.56
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	5	1.56
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	11	1.56
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	14	1.56
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	14	1.56
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	19	1.56
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	19	1.56
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	17	1.56
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	17	1.56
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	20	1.56
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	20	1.56
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	20	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	6	1.56
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	6	1.56
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	6	1.56
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	14	1.56
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	14	1.56
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	14	1.56
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	4	1.56
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	4	1.56
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	2	1.56
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	2	1.56
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	2	1.56
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	2	1.56
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	2	1.56
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	2	1.56
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	2	1.56
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	2	1.56
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	2	1.56
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	3	1.56
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	3	1.56
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	3	1.56
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	4	1.56
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	4	1.56
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	14	1.56
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	14	1.56
(1,568)	1:66:A:LEU:HD21	1:83:A:TYR:HD1	13	1.56
(1,568)	1:66:A:LEU:HD21	1:83:A:TYR:HD2	13	1.56
(1,568)	1:66:A:LEU:HD22	1:83:A:TYR:HD1	13	1.56
(1,568)	1:66:A:LEU:HD22	1:83:A:TYR:HD2	13	1.56
(1,568)	1:66:A:LEU:HD23	1:83:A:TYR:HD1	13	1.56
(1,568)	1:66:A:LEU:HD23	1:83:A:TYR:HD2	13	1.56
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	2	1.56
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	2	1.56
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	11	1.56
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	10	1.56
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	12	1.56
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	2	1.56
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	11	1.56
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	15	1.56
(1,1364)	1:37:A:ILE:HD11	1:54:A:VAL:HA	18	1.55
(1,1364)	1:37:A:ILE:HD12	1:54:A:VAL:HA	18	1.55
(1,1364)	1:37:A:ILE:HD13	1:54:A:VAL:HA	18	1.55
(1,1364)	1:37:A:ILE:HD11	1:54:A:VAL:HA	20	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:37:A:ILE:HD12	1:54:A:VAL:HA	20	1.55
(1,1364)	1:37:A:ILE:HD13	1:54:A:VAL:HA	20	1.55
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	6	1.55
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	6	1.55
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	10	1.55
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	10	1.55
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	6	1.55
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	6	1.55
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	7	1.55
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	7	1.55
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	6	1.55
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	6	1.55
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	6	1.55
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	16	1.55
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	16	1.55
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	3	1.55
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	3	1.55
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	3	1.55
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	3	1.55
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	3	1.55
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	3	1.55
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	3	1.55
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	3	1.55
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	3	1.55
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	9	1.55
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	9	1.55
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	9	1.55
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	9	1.55
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	9	1.55
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	9	1.55
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	9	1.55
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	9	1.55
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	9	1.55
(1,452)	1:55:A:GLU:H	1:55:A:GLU:HB2	6	1.55
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	17	1.55
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	17	1.55
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	17	1.55
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	16	1.55
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	19	1.54
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	3	1.54
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	3	1.54
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	11	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	15	1.54
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	15	1.54
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	15	1.54
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	6	1.54
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	6	1.54
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	4	1.54
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	14	1.54
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	14	1.54
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	15	1.54
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	15	1.54
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	5	1.54
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	18	1.54
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	5	1.54
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	5	1.54
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	5	1.54
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	5	1.54
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	5	1.54
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	5	1.54
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	5	1.54
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	5	1.54
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	5	1.54
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	20	1.54
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	20	1.54
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	20	1.54
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	3	1.54
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	3	1.54
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	3	1.54
(1,709)	1:57:A:VAL:HG11	1:58:A:GLU:HG2	1	1.54
(1,709)	1:57:A:VAL:HG12	1:58:A:GLU:HG2	1	1.54
(1,709)	1:57:A:VAL:HG13	1:58:A:GLU:HG2	1	1.54
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	3	1.54
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	3	1.54
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	16	1.54
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	13	1.54
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	12	1.54
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	8	1.54
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	18	1.54
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	12	1.54
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	12	1.54
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	2	1.54
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	2	1.54
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	14	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	14	1.54
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	5	1.53
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	5	1.53
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	5	1.53
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	5	1.53
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	5	1.53
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	5	1.53
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	7	1.53
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	7	1.53
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	7	1.53
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	7	1.53
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	7	1.53
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	19	1.53
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	19	1.53
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	20	1.53
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	20	1.53
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	6	1.53
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	6	1.53
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	6	1.53
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	11	1.53
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	11	1.53
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	11	1.53
(1,709)	1:57:A:VAL:HG11	1:58:A:GLU:HG2	15	1.53
(1,709)	1:57:A:VAL:HG12	1:58:A:GLU:HG2	15	1.53
(1,709)	1:57:A:VAL:HG13	1:58:A:GLU:HG2	15	1.53
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	1	1.53
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	1	1.53
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	6	1.53
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	6	1.53
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	1	1.53
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	1	1.53
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	11	1.53
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	16	1.53
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	19	1.53
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	2	1.53
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	2	1.53
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	13	1.53
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	13	1.53
(1,1188)	1:48:A:ASN:H	1:49:A:ARG:H	7	1.52
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	4	1.52
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	1	1.52
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	1	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	15	1.52
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	15	1.52
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	12	1.52
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	12	1.52
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	3	1.52
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	3	1.52
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	3	1.52
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	10	1.52
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	14	1.52
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	17	1.52
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	11	1.52
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	11	1.52
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	11	1.52
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	7	1.52
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	7	1.52
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	11	1.52
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG21	3	1.51
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG22	3	1.51
(1,1502)	1:37:A:ILE:HG12	1:54:A:VAL:HG23	3	1.51
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG21	3	1.51
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG22	3	1.51
(1,1502)	1:37:A:ILE:HG13	1:54:A:VAL:HG23	3	1.51
(1,1475)	1:66:A:LEU:HD11	1:82:A:ASN:HA	2	1.51
(1,1475)	1:66:A:LEU:HD12	1:82:A:ASN:HA	2	1.51
(1,1475)	1:66:A:LEU:HD13	1:82:A:ASN:HA	2	1.51
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	8	1.51
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	8	1.51
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	4	1.51
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	4	1.51
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	10	1.51
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	10	1.51
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	10	1.51
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	8	1.51
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	6	1.51
(1,1180)	1:48:A:ASN:H	1:48:A:ASN:HD21	8	1.51
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	14	1.51
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	2	1.51
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	19	1.51
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	6	1.51
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	6	1.51
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	6	1.51
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	6	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	11	1.51
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	11	1.51
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	11	1.51
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	11	1.51
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	11	1.51
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	11	1.51
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	11	1.51
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	11	1.51
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	11	1.51
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	1	1.51
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	1	1.51
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	1	1.51
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	16	1.51
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	16	1.51
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	16	1.51
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	6	1.51
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	6	1.51
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	6	1.51
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	6	1.51
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	6	1.51
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	6	1.51
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	6	1.51
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	6	1.51
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	6	1.51
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	20	1.51
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	20	1.51
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	20	1.51
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	10	1.51
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	15	1.51
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	4	1.51
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	6	1.51
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	9	1.51
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	16	1.51
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	16	1.51
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD1	20	1.5
(1,1497)	1:54:A:VAL:HG11	1:56:A:TYR:HD2	20	1.5
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD1	20	1.5
(1,1497)	1:54:A:VAL:HG12	1:56:A:TYR:HD2	20	1.5
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD1	20	1.5
(1,1497)	1:54:A:VAL:HG13	1:56:A:TYR:HD2	20	1.5
(1,1315)	1:11:A:PHE:HE1	1:13:A:GLY:H	17	1.5
(1,1315)	1:11:A:PHE:HE2	1:13:A:GLY:H	17	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	19	1.5
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	5	1.5
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	5	1.5
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	5	1.5
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	8	1.5
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	8	1.5
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	8	1.5
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	14	1.5
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	14	1.5
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	14	1.5
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	19	1.5
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	19	1.5
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	19	1.5
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	19	1.5
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	19	1.5
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	19	1.5
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	19	1.5
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	19	1.5
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	19	1.5
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	20	1.5
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	20	1.5
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	20	1.5
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	20	1.5
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	20	1.5
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	20	1.5
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	20	1.5
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	20	1.5
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	20	1.5
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	2	1.5
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	2	1.5
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	1	1.5
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	20	1.5
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	7	1.5
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	1	1.5
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	4	1.5
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	10	1.5
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	11	1.5
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	18	1.5
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	20	1.5
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	7	1.5
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	11	1.5
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	11	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	13	1.5
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	18	1.49
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	18	1.49
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	18	1.49
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	18	1.49
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	18	1.49
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	18	1.49
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	18	1.49
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	18	1.49
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	18	1.49
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	19	1.49
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	19	1.49
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	4	1.49
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	19	1.49
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	5	1.49
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	5	1.49
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	5	1.49
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	12	1.49
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	12	1.49
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	12	1.49
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	12	1.49
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	12	1.49
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	12	1.49
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	12	1.49
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	12	1.49
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	12	1.49
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	13	1.49
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	13	1.49
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	13	1.49
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	13	1.49
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	13	1.49
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	13	1.49
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	13	1.49
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	13	1.49
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	13	1.49
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	12	1.49
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	12	1.49
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	12	1.49
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	15	1.49
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	15	1.49
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	4	1.49
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	4	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	4	1.49
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	17	1.49
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	17	1.49
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	17	1.49
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	17	1.49
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	17	1.49
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	17	1.49
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	4	1.49
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	5	1.49
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	5	1.49
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	4	1.49
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	2	1.48
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	2	1.48
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	9	1.48
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	9	1.48
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	9	1.48
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	10	1.48
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	10	1.48
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	10	1.48
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	1	1.48
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	1	1.48
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	17	1.48
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	17	1.48
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	17	1.48
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	2	1.48
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	9	1.48
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	10	1.48
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	10	1.48
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	2	1.48
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	2	1.48
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	2	1.48
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	12	1.48
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	12	1.48
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	12	1.48
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	14	1.48
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	14	1.48
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	14	1.48
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	7	1.48
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	19	1.48
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	19	1.48
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	19	1.48
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	19	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	19	1.48
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	19	1.48
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	19	1.48
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	19	1.48
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	19	1.48
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	4	1.48
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	4	1.48
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	4	1.48
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	18	1.48
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	18	1.48
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	18	1.48
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	1	1.48
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	1	1.48
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	1	1.48
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	9	1.48
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	9	1.48
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	9	1.48
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	10	1.48
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	10	1.48
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	10	1.48
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	11	1.48
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	11	1.48
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	16	1.48
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	16	1.48
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	2	1.48
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	2	1.48
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	9	1.48
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	9	1.48
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	2	1.48
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	12	1.48
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	13	1.48
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	5	1.48
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	16	1.48
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	17	1.48
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	2	1.48
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	13	1.48
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	13	1.48
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	13	1.48
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	15	1.48
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	15	1.48
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	6	1.48
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	3	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	3	1.47
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	3	1.47
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	11	1.47
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	11	1.47
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	11	1.47
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	11	1.47
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	11	1.47
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	11	1.47
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	13	1.47
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	13	1.47
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	2	1.47
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	2	1.47
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	1	1.47
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	9	1.47
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	16	1.47
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	13	1.47
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	13	1.47
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	13	1.47
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	19	1.47
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	19	1.47
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	19	1.47
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	19	1.47
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	19	1.47
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	4	1.47
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	4	1.47
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	4	1.47
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	5	1.47
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	3	1.47
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	16	1.47
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	11	1.47
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	11	1.47
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	11	1.47
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	4	1.47
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	15	1.47
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	5	1.47
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	5	1.47
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	5	1.47
(1,709)	1:57:A:VAL:HG11	1:58:A:GLU:HG2	6	1.47
(1,709)	1:57:A:VAL:HG12	1:58:A:GLU:HG2	6	1.47
(1,709)	1:57:A:VAL:HG13	1:58:A:GLU:HG2	6	1.47
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	3	1.47
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	3	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	3	1.47
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	7	1.47
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	7	1.47
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	7	1.47
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	13	1.47
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	13	1.47
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	13	1.47
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	13	1.47
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	13	1.47
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	13	1.47
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	13	1.47
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	13	1.47
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	13	1.47
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	15	1.47
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	15	1.47
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	15	1.47
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	15	1.47
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	19	1.47
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	19	1.47
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	4	1.47
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	4	1.47
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	11	1.47
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	11	1.47
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	13	1.47
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	13	1.47
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	17	1.47
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	17	1.47
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	18	1.47
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	1	1.47
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	15	1.47
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	12	1.47
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	12	1.47
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	15	1.47
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	16	1.46
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	16	1.46
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	16	1.46
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	4	1.46
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	4	1.46
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	4	1.46
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	2	1.46
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	2	1.46
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	1	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	1	1.46
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	16	1.46
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	16	1.46
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	16	1.46
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	4	1.46
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	10	1.46
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	19	1.46
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	19	1.46
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	11	1.46
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	11	1.46
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	11	1.46
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	11	1.46
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	11	1.46
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	11	1.46
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	12	1.46
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	12	1.46
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	12	1.46
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	19	1.46
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	19	1.46
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	19	1.46
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB1	13	1.46
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB2	13	1.46
(1,810)	1:8:A:ASP:H	1:62:A:ALA:HB3	13	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	5	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	5	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	5	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	6	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	6	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	6	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	8	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	8	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	8	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	19	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	19	1.46
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	19	1.46
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	1	1.46
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	1	1.46
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	1	1.46
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	1	1.46
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	1	1.46
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	1	1.46
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	1	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	1	1.46
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	1	1.46
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	17	1.46
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	17	1.46
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	17	1.46
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	17	1.46
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	17	1.46
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	17	1.46
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	17	1.46
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	17	1.46
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	17	1.46
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	19	1.46
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	19	1.46
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	14	1.46
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	14	1.46
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	14	1.46
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	15	1.46
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	15	1.46
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	20	1.46
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	20	1.46
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	15	1.46
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	3	1.46
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	5	1.46
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	2	1.46
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	19	1.46
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	7	1.46
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	9	1.46
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	15	1.46
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	14	1.46
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	20	1.46
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	9	1.46
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	9	1.46
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	20	1.46
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	20	1.46
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	20	1.46
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	20	1.46
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	20	1.46
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	20	1.46
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	1	1.45
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	1	1.45
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	1	1.45
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	15	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	15	1.45
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	15	1.45
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	1	1.45
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	5	1.45
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	17	1.45
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	1	1.45
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	1	1.45
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	20	1.45
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	20	1.45
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	20	1.45
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	1	1.45
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	1	1.45
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	14	1.45
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	14	1.45
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	17	1.45
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	3	1.45
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	3	1.45
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	3	1.45
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	18	1.45
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	18	1.45
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	18	1.45
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	19	1.45
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	10	1.45
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	10	1.45
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	10	1.45
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	10	1.45
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	10	1.45
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	10	1.45
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	10	1.45
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	10	1.45
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	10	1.45
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	7	1.45
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	7	1.45
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	7	1.45
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	7	1.45
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	7	1.45
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	7	1.45
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	11	1.45
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	11	1.45
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	11	1.45
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	15	1.45
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	15	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	15	1.45
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	13	1.45
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	13	1.45
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	13	1.45
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	15	1.45
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	15	1.45
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	15	1.45
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	19	1.45
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	19	1.45
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	19	1.45
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	16	1.45
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	16	1.45
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	16	1.45
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	17	1.45
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	17	1.45
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	17	1.45
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	7	1.45
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	7	1.45
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	13	1.45
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	13	1.45
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	17	1.45
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	17	1.45
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	8	1.45
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	8	1.45
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	6	1.45
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	7	1.45
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	13	1.45
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	5	1.45
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	19	1.45
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	3	1.45
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	14	1.45
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	14	1.45
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	3	1.44
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	3	1.44
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	3	1.44
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	15	1.44
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	15	1.44
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	15	1.44
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	11	1.44
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	11	1.44
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	8	1.44
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	8	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:37:A:ILE:HD11	1:54:A:VAL:HA	14	1.44
(1,1364)	1:37:A:ILE:HD12	1:54:A:VAL:HA	14	1.44
(1,1364)	1:37:A:ILE:HD13	1:54:A:VAL:HA	14	1.44
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	14	1.44
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	4	1.44
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	17	1.44
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	17	1.44
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	17	1.44
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	20	1.44
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	20	1.44
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	20	1.44
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	17	1.44
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	17	1.44
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	16	1.44
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	20	1.44
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	5	1.44
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	6	1.44
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	4	1.44
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	4	1.44
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	4	1.44
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	4	1.44
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	4	1.44
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	4	1.44
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	4	1.44
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	4	1.44
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	4	1.44
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	13	1.44
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	13	1.44
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	13	1.44
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	16	1.44
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	16	1.44
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	16	1.44
(1,709)	1:57:A:VAL:HG11	1:58:A:GLU:HG2	10	1.44
(1,709)	1:57:A:VAL:HG12	1:58:A:GLU:HG2	10	1.44
(1,709)	1:57:A:VAL:HG13	1:58:A:GLU:HG2	10	1.44
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	3	1.44
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	3	1.44
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	3	1.44
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	5	1.44
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	5	1.44
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	9	1.44
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	9	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	19	1.44
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	16	1.44
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	16	1.44
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	13	1.44
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	7	1.44
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	17	1.44
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	8	1.44
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	18	1.44
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	13	1.44
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	1	1.44
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	2	1.43
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	2	1.43
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	2	1.43
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	11	1.43
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	11	1.43
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	11	1.43
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	12	1.43
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	12	1.43
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	12	1.43
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	19	1.43
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	19	1.43
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	19	1.43
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	4	1.43
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	4	1.43
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	4	1.43
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	11	1.43
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	11	1.43
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	11	1.43
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	16	1.43
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	16	1.43
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	18	1.43
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	18	1.43
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG12	17	1.43
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG13	17	1.43
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	14	1.43
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	7	1.43
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	1	1.43
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	5	1.43
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	5	1.43
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	5	1.43
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	5	1.43
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	5	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	5	1.43
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	8	1.43
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	8	1.43
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	8	1.43
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	3	1.43
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	3	1.43
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	3	1.43
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	4	1.43
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	4	1.43
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	4	1.43
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	13	1.43
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	13	1.43
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	13	1.43
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	17	1.43
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	17	1.43
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	17	1.43
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	17	1.43
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	17	1.43
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	17	1.43
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	17	1.43
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	17	1.43
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	17	1.43
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	18	1.43
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	18	1.43
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	20	1.43
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	20	1.43
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	8	1.43
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	8	1.43
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	13	1.43
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	13	1.43
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	18	1.43
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	8	1.43
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	8	1.43
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	12	1.43
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	12	1.43
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	12	1.43
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	12	1.43
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	12	1.43
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	3	1.43
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	8	1.43
(1,323)	1:31:A:PHE:H	1:31:A:PHE:HB2	16	1.43
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	19	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	15	1.43
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	15	1.43
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	1	1.43
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	1	1.43
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	3	1.43
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	3	1.43
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	14	1.42
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	14	1.42
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	14	1.42
(1,1372)	1:12:A:VAL:HG11	1:81:A:VAL:HA	11	1.42
(1,1372)	1:12:A:VAL:HG12	1:81:A:VAL:HA	11	1.42
(1,1372)	1:12:A:VAL:HG13	1:81:A:VAL:HA	11	1.42
(1,1315)	1:11:A:PHE:HE1	1:13:A:GLY:H	1	1.42
(1,1315)	1:11:A:PHE:HE2	1:13:A:GLY:H	1	1.42
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	9	1.42
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	7	1.42
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	7	1.42
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	12	1.42
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	12	1.42
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	11	1.42
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	11	1.42
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	13	1.42
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	13	1.42
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	13	1.42
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	13	1.42
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	13	1.42
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	13	1.42
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	11	1.42
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	11	1.42
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	11	1.42
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	18	1.42
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	18	1.42
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	18	1.42
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	11	1.42
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	11	1.42
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	11	1.42
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	11	1.42
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	11	1.42
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	2	1.42
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	9	1.42
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	12	1.42
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	10	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	10	1.42
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	12	1.42
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	12	1.42
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	14	1.42
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	14	1.42
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	14	1.42
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	14	1.42
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	14	1.42
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	14	1.42
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	6	1.41
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	6	1.41
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	6	1.41
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	17	1.41
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	17	1.41
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	15	1.41
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	3	1.41
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	3	1.41
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	2	1.41
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	2	1.41
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	2	1.41
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	7	1.41
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD11	17	1.41
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD12	17	1.41
(1,909)	1:19:A:ILE:H	1:19:A:ILE:HD13	17	1.41
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	17	1.41
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	17	1.41
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	17	1.41
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	17	1.41
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	17	1.41
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	17	1.41
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	17	1.41
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	17	1.41
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	17	1.41
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	16	1.41
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	16	1.41
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	16	1.41
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	4	1.41
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	4	1.41
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	4	1.41
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	15	1.41
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	15	1.41
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	15	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	11	1.41
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	11	1.41
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	11	1.41
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	11	1.41
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	11	1.41
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	11	1.41
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	11	1.41
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	11	1.41
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	11	1.41
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	3	1.41
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	3	1.41
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	9	1.41
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	20	1.41
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	2	1.41
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	13	1.41
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	11	1.41
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	13	1.41
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	4	1.41
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	9	1.41
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	20	1.4
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	20	1.4
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	20	1.4
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	3	1.4
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	3	1.4
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	3	1.4
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	3	1.4
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	3	1.4
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	3	1.4
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	17	1.4
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	17	1.4
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	17	1.4
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	17	1.4
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	17	1.4
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	17	1.4
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	4	1.4
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	6	1.4
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	6	1.4
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	6	1.4
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	5	1.4
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	5	1.4
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	5	1.4
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	8	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1162)	1:56:A:TYR:HD1	1:58:A:GLU:H	17	1.4
(1,1162)	1:56:A:TYR:HD2	1:58:A:GLU:H	17	1.4
(1,967)	1:55:A:GLU:HG2	1:56:A:TYR:H	5	1.4
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD1	6	1.4
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD2	6	1.4
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	2	1.4
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	2	1.4
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	2	1.4
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	12	1.4
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	12	1.4
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	12	1.4
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	16	1.4
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	16	1.4
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	16	1.4
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	14	1.4
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	14	1.4
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	14	1.4
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	11	1.4
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	11	1.4
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	11	1.4
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	20	1.4
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	20	1.4
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	20	1.4
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	9	1.4
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	1	1.4
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	7	1.4
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	6	1.4
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	6	1.4
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	6	1.4
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	17	1.4
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	17	1.4
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	17	1.4
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	5	1.4
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	5	1.4
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	5	1.4
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	20	1.4
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	20	1.4
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	13	1.39
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	13	1.39
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	13	1.39
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	14	1.39
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	14	1.39
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	17	1.39
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	17	1.39
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	17	1.39
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	7	1.39
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	7	1.39
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	8	1.39
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	8	1.39
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	8	1.39
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	11	1.39
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	6	1.39
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	6	1.39
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	11	1.39
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	11	1.39
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	11	1.39
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	10	1.39
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	10	1.39
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	19	1.39
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	19	1.39
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	3	1.39
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	3	1.39
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	3	1.39
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	17	1.39
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	2	1.39
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	15	1.39
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	1	1.39
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	1	1.39
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	1	1.39
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	1	1.39
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	1	1.39
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	1	1.39
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	12	1.39
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	12	1.39
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	12	1.39
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	12	1.39
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	12	1.39
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	12	1.39
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	1	1.39
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	1	1.39
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	1	1.39
(1,745)	1:12:A:VAL:HG21	1:81:A:VAL:HA	14	1.39
(1,745)	1:12:A:VAL:HG22	1:81:A:VAL:HA	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:12:A:VAL:HG23	1:81:A:VAL:HA	14	1.39
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	13	1.39
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	13	1.39
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	14	1.39
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	6	1.39
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	6	1.39
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	18	1.39
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	3	1.39
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	5	1.39
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	17	1.39
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	11	1.39
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	11	1.39
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	17	1.39
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	9	1.39
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	9	1.39
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	9	1.39
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	5	1.38
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	5	1.38
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	5	1.38
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	3	1.38
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	3	1.38
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	5	1.38
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	5	1.38
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	5	1.38
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	19	1.38
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	19	1.38
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	19	1.38
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	1	1.38
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	1	1.38
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	1	1.38
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	12	1.38
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	12	1.38
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	10	1.38
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	10	1.38
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	10	1.38
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	9	1.38
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	9	1.38
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	9	1.38
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	9	1.38
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	8	1.38
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	8	1.38
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	8	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	8	1.38
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	8	1.38
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	8	1.38
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	8	1.38
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	8	1.38
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	8	1.38
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	19	1.38
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	19	1.38
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	19	1.38
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	19	1.38
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	19	1.38
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	19	1.38
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	19	1.38
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	19	1.38
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	19	1.38
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	19	1.38
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	19	1.38
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	19	1.38
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	19	1.38
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	19	1.38
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	19	1.38
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	19	1.38
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	19	1.38
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	19	1.38
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	7	1.38
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	7	1.38
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	7	1.38
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	8	1.38
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	8	1.38
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	8	1.38
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	18	1.38
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	18	1.38
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	18	1.38
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	2	1.38
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	2	1.38
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	2	1.38
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	2	1.38
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	2	1.38
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	2	1.38
(1,694)	1:7:A:THR:H	1:7:A:THR:HG21	2	1.38
(1,694)	1:7:A:THR:H	1:7:A:THR:HG22	2	1.38
(1,694)	1:7:A:THR:H	1:7:A:THR:HG23	2	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	17	1.38
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	17	1.38
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	17	1.38
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	8	1.38
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	8	1.38
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	6	1.38
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	6	1.38
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	4	1.38
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	13	1.38
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	12	1.38
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	12	1.38
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	20	1.38
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	20	1.38
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	11	1.38
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	11	1.38
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	11	1.38
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	13	1.38
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	13	1.38
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	13	1.38
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	12	1.38
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	10	1.38
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	11	1.38
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	9	1.38
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	8	1.37
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	8	1.37
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	8	1.37
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	6	1.37
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	6	1.37
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	6	1.37
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	18	1.37
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	18	1.37
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	18	1.37
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	10	1.37
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	10	1.37
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	10	1.37
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	20	1.37
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	20	1.37
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	20	1.37
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	3	1.37
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	3	1.37
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	19	1.37
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	19	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	19	1.37
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	1	1.37
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	18	1.37
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	7	1.37
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	7	1.37
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	7	1.37
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	2	1.37
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	10	1.37
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	17	1.37
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	20	1.37
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	20	1.37
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	20	1.37
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	20	1.37
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	20	1.37
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	20	1.37
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	20	1.37
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	20	1.37
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	20	1.37
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	13	1.37
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	13	1.37
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	13	1.37
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	16	1.37
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	16	1.37
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	16	1.37
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	11	1.37
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	11	1.37
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	14	1.37
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	14	1.37
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	10	1.37
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	10	1.37
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	13	1.37
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	13	1.37
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	12	1.37
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	12	1.37
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	17	1.37
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	17	1.37
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	19	1.37
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	19	1.37
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	4	1.37
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	4	1.37
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	15	1.37
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	3	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	7	1.37
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	7	1.37
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	20	1.37
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	18	1.37
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	18	1.37
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	14	1.37
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	14	1.37
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	18	1.37
(1,31)	1:25:A:TYR:HA	1:37:A:ILE:HG12	14	1.37
(1,31)	1:25:A:TYR:HA	1:37:A:ILE:HG13	14	1.37
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	10	1.36
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	10	1.36
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	10	1.36
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	12	1.36
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	12	1.36
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	2	1.36
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	2	1.36
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	2	1.36
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	5	1.36
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	16	1.36
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	20	1.36
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	12	1.36
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	12	1.36
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	12	1.36
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	9	1.36
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	17	1.36
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	3	1.36
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	3	1.36
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	3	1.36
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	18	1.36
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	18	1.36
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	18	1.36
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	18	1.36
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	18	1.36
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	18	1.36
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	18	1.36
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	18	1.36
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	18	1.36
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	10	1.36
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	10	1.36
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	10	1.36
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	10	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	10	1.36
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	10	1.36
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	8	1.36
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	8	1.36
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	8	1.36
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	19	1.36
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	19	1.36
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	19	1.36
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	19	1.36
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	19	1.36
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	19	1.36
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	11	1.36
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	11	1.36
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	11	1.36
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	6	1.36
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	6	1.36
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	10	1.36
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	10	1.36
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	17	1.36
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	17	1.36
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	17	1.36
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	15	1.36
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	15	1.36
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	15	1.36
(1,517)	1:37:A:ILE:HG12	1:54:A:VAL:HA	11	1.36
(1,517)	1:37:A:ILE:HG13	1:54:A:VAL:HA	11	1.36
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	15	1.36
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	14	1.36
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	16	1.36
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	6	1.36
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	15	1.36
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	17	1.36
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	11	1.36
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	7	1.36
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	7	1.36
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	1	1.36
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	1	1.36
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	1	1.36
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	8	1.36
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	8	1.36
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	8	1.36
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	20	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	20	1.36
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	20	1.36
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	6	1.36
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	12	1.36
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	12	1.36
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB2	20	1.36
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB3	20	1.36
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	4	1.35
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	4	1.35
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	4	1.35
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	12	1.35
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	12	1.35
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	12	1.35
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	12	1.35
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	12	1.35
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	12	1.35
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	11	1.35
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	11	1.35
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	9	1.35
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	9	1.35
(1,1315)	1:11:A:PHE:HE1	1:13:A:GLY:H	2	1.35
(1,1315)	1:11:A:PHE:HE2	1:13:A:GLY:H	2	1.35
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	5	1.35
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	5	1.35
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	12	1.35
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	19	1.35
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	4	1.35
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	4	1.35
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	4	1.35
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	14	1.35
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD1	4	1.35
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD2	4	1.35
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	4	1.35
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	4	1.35
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	4	1.35
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	4	1.35
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	4	1.35
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	4	1.35
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	10	1.35
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	10	1.35
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	10	1.35
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	7	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	7	1.35
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	17	1.35
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	17	1.35
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	18	1.35
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	18	1.35
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	4	1.35
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	4	1.35
(1,517)	1:37:A:ILE:HG12	1:54:A:VAL:HA	12	1.35
(1,517)	1:37:A:ILE:HG13	1:54:A:VAL:HA	12	1.35
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	7	1.35
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	12	1.35
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	16	1.35
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	17	1.35
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	11	1.35
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	4	1.35
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	4	1.35
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	9	1.35
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	9	1.35
(1,23)	1:11:A:PHE:HB2	1:84:A:SER:HB2	12	1.35
(1,23)	1:11:A:PHE:HB2	1:84:A:SER:HB3	12	1.35
(1,23)	1:11:A:PHE:HB3	1:84:A:SER:HB2	12	1.35
(1,23)	1:11:A:PHE:HB3	1:84:A:SER:HB3	12	1.35
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	19	1.35
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	19	1.35
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	10	1.34
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	10	1.34
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	10	1.34
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	14	1.34
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	14	1.34
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	14	1.34
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	14	1.34
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	14	1.34
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	14	1.34
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	18	1.34
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	18	1.34
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	18	1.34
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	3	1.34
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	7	1.34
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	11	1.34
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	1	1.34
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD11	5	1.34
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD12	5	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD13	5	1.34
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	18	1.34
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	18	1.34
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	18	1.34
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	2	1.34
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	2	1.34
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	2	1.34
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	2	1.34
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	2	1.34
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	2	1.34
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	2	1.34
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	2	1.34
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	2	1.34
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	2	1.34
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	2	1.34
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	2	1.34
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	2	1.34
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	2	1.34
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	2	1.34
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	2	1.34
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	2	1.34
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	2	1.34
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	11	1.34
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	11	1.34
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	11	1.34
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	8	1.34
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	8	1.34
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	8	1.34
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	8	1.34
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	8	1.34
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	8	1.34
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	20	1.34
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	20	1.34
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	20	1.34
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	18	1.34
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	18	1.34
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	18	1.34
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	1	1.34
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	5	1.34
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	10	1.34
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	14	1.34
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	14	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,391)	1:38:A:GLU:HG2	1:40:A:PRO:HD3	13	1.34
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	4	1.34
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	4	1.34
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	4	1.34
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	1	1.34
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	1	1.34
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	1	1.34
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	9	1.34
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	10	1.34
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	11	1.34
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	12	1.33
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	12	1.33
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	12	1.33
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	12	1.33
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	12	1.33
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	12	1.33
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	12	1.33
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	12	1.33
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	12	1.33
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	1	1.33
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	1	1.33
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	2	1.33
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	2	1.33
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	2	1.33
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	2	1.33
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	2	1.33
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	2	1.33
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	3	1.33
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	3	1.33
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	3	1.33
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	3	1.33
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	3	1.33
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	3	1.33
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	5	1.33
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	5	1.33
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	5	1.33
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	5	1.33
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	5	1.33
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	5	1.33
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	10	1.33
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	10	1.33
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	10	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	10	1.33
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	10	1.33
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	10	1.33
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	13	1.33
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	13	1.33
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	13	1.33
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	13	1.33
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	13	1.33
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	13	1.33
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	1	1.33
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	1	1.33
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	1	1.33
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	18	1.33
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	18	1.33
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	3	1.33
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	3	1.33
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	3	1.33
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	9	1.33
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	9	1.33
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	6	1.33
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	6	1.33
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	3	1.33
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	3	1.33
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	12	1.33
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	12	1.33
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	12	1.33
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	12	1.33
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	11	1.33
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	11	1.33
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	11	1.33
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	11	1.33
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	11	1.33
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	11	1.33
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	7	1.33
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	7	1.33
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	7	1.33
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	9	1.33
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	9	1.33
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	9	1.33
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	9	1.33
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	9	1.33
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	7	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	7	1.33
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	7	1.33
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	7	1.33
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	7	1.33
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	7	1.33
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	4	1.33
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	4	1.33
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	4	1.33
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	7	1.33
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	7	1.33
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	7	1.33
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	9	1.33
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	9	1.33
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	9	1.33
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	3	1.33
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	3	1.33
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	7	1.33
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	7	1.33
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	8	1.33
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	8	1.33
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	2	1.33
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	8	1.33
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	16	1.33
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	9	1.33
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	6	1.33
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	8	1.33
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	8	1.33
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	13	1.33
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	10	1.33
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	4	1.33
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	4	1.33
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	4	1.33
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	9	1.32
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	9	1.32
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	9	1.32
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	4	1.32
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	4	1.32
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	4	1.32
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	16	1.32
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	16	1.32
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	16	1.32
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	16	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	16	1.32
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	16	1.32
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	15	1.32
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	15	1.32
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	4	1.32
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	2	1.32
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	6	1.32
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	5	1.32
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	5	1.32
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	1	1.32
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	17	1.32
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	17	1.32
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	20	1.32
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	12	1.32
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	14	1.32
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	14	1.32
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	14	1.32
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	14	1.32
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	14	1.32
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	14	1.32
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	14	1.32
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	14	1.32
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	14	1.32
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	1	1.32
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	1	1.32
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	1	1.32
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	6	1.32
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	6	1.32
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	6	1.32
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	14	1.32
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	14	1.32
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	14	1.32
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	1	1.32
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	1	1.32
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	1	1.32
(1,756)	1:6:A:ALA:HB1	1:9:A:ILE:HB	11	1.32
(1,756)	1:6:A:ALA:HB2	1:9:A:ILE:HB	11	1.32
(1,756)	1:6:A:ALA:HB3	1:9:A:ILE:HB	11	1.32
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	5	1.32
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	5	1.32
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	5	1.32
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	5	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	5	1.32
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	5	1.32
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	5	1.32
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	5	1.32
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	5	1.32
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	5	1.32
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	5	1.32
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	5	1.32
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	5	1.32
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	5	1.32
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	5	1.32
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	5	1.32
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	5	1.32
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	5	1.32
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	18	1.32
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	18	1.32
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	18	1.32
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	18	1.32
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	18	1.32
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	18	1.32
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	12	1.32
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	12	1.32
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	12	1.32
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	12	1.32
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	12	1.32
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	12	1.32
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	12	1.32
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	12	1.32
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	12	1.32
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	20	1.32
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	20	1.32
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	20	1.32
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	20	1.32
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	20	1.32
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	20	1.32
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	20	1.32
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	20	1.32
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	20	1.32
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	2	1.32
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	2	1.32
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	2	1.32
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	2	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	2	1.32
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	13	1.32
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	13	1.32
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	5	1.32
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	5	1.32
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	15	1.32
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	11	1.32
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	5	1.32
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	17	1.32
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	3	1.32
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	3	1.32
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	3	1.32
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	3	1.32
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	15	1.32
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	15	1.32
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	15	1.32
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	15	1.32
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	1	1.32
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	1	1.32
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	2	1.32
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	2	1.32
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	13	1.32
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	13	1.32
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	15	1.32
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	15	1.32
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	4	1.32
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	4	1.32
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	1	1.32
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	10	1.32
(1,31)	1:25:A:TYR:HA	1:37:A:ILE:HG12	20	1.32
(1,31)	1:25:A:TYR:HA	1:37:A:ILE:HG13	20	1.32
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	2	1.31
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	2	1.31
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	2	1.31
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	2	1.31
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	2	1.31
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	2	1.31
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	14	1.31
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	14	1.31
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	4	1.31
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	4	1.31
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	4	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	4	1.31
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	4	1.31
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	4	1.31
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	11	1.31
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	11	1.31
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	11	1.31
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	11	1.31
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	11	1.31
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	11	1.31
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	15	1.31
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	15	1.31
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	15	1.31
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	15	1.31
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	15	1.31
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	15	1.31
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	20	1.31
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	20	1.31
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	20	1.31
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	20	1.31
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	20	1.31
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	20	1.31
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	16	1.31
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	16	1.31
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	16	1.31
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	10	1.31
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	4	1.31
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	4	1.31
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	3	1.31
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG21	16	1.31
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG22	16	1.31
(1,847)	1:27:A:ILE:HG21	1:54:A:VAL:HG23	16	1.31
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG21	16	1.31
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG22	16	1.31
(1,847)	1:27:A:ILE:HG22	1:54:A:VAL:HG23	16	1.31
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG21	16	1.31
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG22	16	1.31
(1,847)	1:27:A:ILE:HG23	1:54:A:VAL:HG23	16	1.31
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	2	1.31
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	2	1.31
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	2	1.31
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	2	1.31
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	2	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	2	1.31
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	15	1.31
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	15	1.31
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	15	1.31
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	18	1.31
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	18	1.31
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	18	1.31
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	18	1.31
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	18	1.31
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	18	1.31
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	18	1.31
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	18	1.31
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	18	1.31
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	18	1.31
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	18	1.31
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	18	1.31
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	18	1.31
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	18	1.31
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	18	1.31
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	18	1.31
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	18	1.31
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	18	1.31
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	13	1.31
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	13	1.31
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	13	1.31
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	1	1.31
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	1	1.31
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	1	1.31
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	19	1.31
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	19	1.31
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	19	1.31
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	19	1.31
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	19	1.31
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	19	1.31
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG2	11	1.31
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG3	11	1.31
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	12	1.31
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	12	1.31
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	12	1.31
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	19	1.31
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	19	1.31
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	19	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	1	1.31
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	1	1.31
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	5	1.31
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	5	1.31
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	20	1.31
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	11	1.31
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	3	1.31
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	3	1.31
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	16	1.31
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	16	1.31
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	16	1.31
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	8	1.31
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	8	1.31
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	18	1.31
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	11	1.31
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	11	1.31
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	17	1.31
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	17	1.31
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	20	1.3
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	20	1.3
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	20	1.3
(1,1512)	1:34:A:ILE:HG21	1:34:A:ILE:HG13	8	1.3
(1,1512)	1:34:A:ILE:HG22	1:34:A:ILE:HG13	8	1.3
(1,1512)	1:34:A:ILE:HG23	1:34:A:ILE:HG13	8	1.3
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	4	1.3
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	4	1.3
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	1	1.3
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	1	1.3
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	1	1.3
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	1	1.3
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	1	1.3
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	1	1.3
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	7	1.3
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	7	1.3
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	7	1.3
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	7	1.3
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	7	1.3
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	7	1.3
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	9	1.3
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	9	1.3
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	9	1.3
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	9	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	9	1.3
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	9	1.3
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	19	1.3
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	19	1.3
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	19	1.3
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	19	1.3
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	19	1.3
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	19	1.3
(1,1447)	1:9:A:ILE:HA	1:55:A:GLU:HG2	5	1.3
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	10	1.3
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	12	1.3
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	5	1.3
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	5	1.3
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	3	1.3
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	17	1.3
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	4	1.3
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	4	1.3
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	4	1.3
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	14	1.3
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	14	1.3
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	14	1.3
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	14	1.3
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	14	1.3
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	14	1.3
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	18	1.3
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	18	1.3
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	18	1.3
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	18	1.3
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	18	1.3
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	18	1.3
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	17	1.3
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	17	1.3
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	17	1.3
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	17	1.3
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	17	1.3
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	17	1.3
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	19	1.3
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	19	1.3
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	19	1.3
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	19	1.3
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	19	1.3
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	19	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	20	1.3
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	20	1.3
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	20	1.3
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	20	1.3
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	20	1.3
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	20	1.3
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	4	1.3
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	4	1.3
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	4	1.3
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	1	1.3
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	1	1.3
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	1	1.3
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	14	1.3
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	14	1.3
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	14	1.3
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	14	1.3
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	14	1.3
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	14	1.3
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	14	1.3
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	14	1.3
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	14	1.3
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	3	1.3
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	3	1.3
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	3	1.3
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	3	1.3
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	3	1.3
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	3	1.3
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	3	1.3
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	3	1.3
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	3	1.3
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	1	1.3
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	1	1.3
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	1	1.3
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	1	1.3
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	1	1.3
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	1	1.3
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	1	1.3
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	1	1.3
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	1	1.3
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	1	1.3
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	1	1.3
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	1	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	1	1.3
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	1	1.3
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	1	1.3
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	1	1.3
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	1	1.3
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	1	1.3
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	11	1.3
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	11	1.3
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	11	1.3
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	11	1.3
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	11	1.3
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	11	1.3
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	15	1.3
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	15	1.3
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	15	1.3
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	16	1.3
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	16	1.3
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	16	1.3
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	16	1.3
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	16	1.3
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	16	1.3
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	16	1.3
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	16	1.3
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	16	1.3
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	19	1.3
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	19	1.3
(1,582)	1:41:A:LEU:HD11	1:48:A:ASN:HA	9	1.3
(1,582)	1:41:A:LEU:HD12	1:48:A:ASN:HA	9	1.3
(1,582)	1:41:A:LEU:HD13	1:48:A:ASN:HA	9	1.3
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	1	1.3
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	1	1.3
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	1	1.3
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	13	1.3
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	13	1.3
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	13	1.3
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	11	1.3
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	11	1.3
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	6	1.3
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	6	1.3
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	9	1.3
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	1	1.3
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	1	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	1	1.3
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	8	1.3
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	6	1.3
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	6	1.3
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	10	1.3
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	10	1.3
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	16	1.3
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	16	1.3
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	18	1.3
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	18	1.3
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	19	1.3
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	5	1.3
(1,1533)	1:13:A:GLY:H	1:80:A:HIS:HB3	14	1.29
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	12	1.29
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	12	1.29
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	12	1.29
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	6	1.29
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	6	1.29
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	6	1.29
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	6	1.29
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	6	1.29
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	6	1.29
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	6	1.29
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	6	1.29
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	13	1.29
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	13	1.29
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	13	1.29
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	4	1.29
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	4	1.29
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	7	1.29
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	7	1.29
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	7	1.29
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	12	1.29
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	6	1.29
(1,1267)	1:8:A:ASP:H	1:59:A:VAL:HB	18	1.29
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	4	1.29
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	4	1.29
(1,978)	1:38:A:GLU:H	1:53:A:PHE:HB2	1	1.29
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	2	1.29
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	2	1.29
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	2	1.29
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	7	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	7	1.29
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	7	1.29
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	6	1.29
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	6	1.29
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	6	1.29
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	18	1.29
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	18	1.29
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	18	1.29
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	7	1.29
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	7	1.29
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	7	1.29
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	7	1.29
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	7	1.29
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	7	1.29
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	7	1.29
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	7	1.29
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	7	1.29
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	10	1.29
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	10	1.29
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	10	1.29
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	10	1.29
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	10	1.29
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	10	1.29
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	10	1.29
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	10	1.29
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	10	1.29
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	1	1.29
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	1	1.29
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	1	1.29
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	4	1.29
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	4	1.29
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	4	1.29
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	16	1.29
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	16	1.29
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	15	1.29
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	15	1.29
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	15	1.29
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	15	1.29
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	12	1.29
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	12	1.29
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	12	1.29
(1,464)	1:35:A:ARG:H	1:35:A:ARG:HB2	6	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	12	1.29
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	2	1.29
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	15	1.29
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	15	1.29
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	15	1.29
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	9	1.29
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	9	1.29
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	20	1.29
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	20	1.29
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	3	1.29
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	3	1.29
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	17	1.29
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	17	1.29
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	13	1.29
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	13	1.29
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	13	1.29
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	2	1.29
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	18	1.28
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	18	1.28
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	18	1.28
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	18	1.28
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	18	1.28
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	18	1.28
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	16	1.28
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	16	1.28
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	16	1.28
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	8	1.28
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	8	1.28
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	8	1.28
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	18	1.28
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	18	1.28
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	18	1.28
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	2	1.28
(1,1105)	1:78:A:ARG:HD2	1:79:A:ILE:H	20	1.28
(1,1105)	1:78:A:ARG:HD3	1:79:A:ILE:H	20	1.28
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	12	1.28
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	16	1.28
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	16	1.28
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	16	1.28
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	5	1.28
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	5	1.28
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	5	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	5	1.28
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	5	1.28
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	5	1.28
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	5	1.28
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	5	1.28
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	5	1.28
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	6	1.28
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	6	1.28
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	6	1.28
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	6	1.28
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	6	1.28
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	6	1.28
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	18	1.28
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	18	1.28
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	18	1.28
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	18	1.28
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	18	1.28
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	18	1.28
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	10	1.28
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	10	1.28
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	10	1.28
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	4	1.28
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	4	1.28
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	4	1.28
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	4	1.28
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	4	1.28
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	4	1.28
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	4	1.28
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	4	1.28
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	4	1.28
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	17	1.28
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	17	1.28
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	17	1.28
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	17	1.28
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	17	1.28
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	17	1.28
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	17	1.28
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	17	1.28
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	17	1.28
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	12	1.28
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	12	1.28
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	12	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	12	1.28
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	12	1.28
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	12	1.28
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	12	1.28
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	12	1.28
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	12	1.28
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	11	1.28
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	11	1.28
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	11	1.28
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	15	1.28
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	15	1.28
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	15	1.28
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	15	1.28
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	15	1.28
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	15	1.28
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	15	1.28
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	15	1.28
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	15	1.28
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	15	1.28
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	15	1.28
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	15	1.28
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	15	1.28
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	15	1.28
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	15	1.28
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	15	1.28
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	15	1.28
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	15	1.28
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	12	1.28
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	12	1.28
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	12	1.28
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	5	1.28
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	5	1.28
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	5	1.28
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	12	1.28
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	12	1.28
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	12	1.28
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	17	1.28
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	17	1.28
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	17	1.28
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	12	1.28
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	12	1.28
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	12	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	12	1.28
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	12	1.28
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	12	1.28
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	8	1.28
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	8	1.28
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	8	1.28
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	10	1.28
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	10	1.28
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	10	1.28
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	17	1.28
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	17	1.28
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	17	1.28
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	18	1.28
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	18	1.28
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	9	1.28
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	9	1.28
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	17	1.28
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	5	1.28
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	5	1.28
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	6	1.28
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	1	1.28
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	1	1.28
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	9	1.28
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	9	1.28
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	9	1.28
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	3	1.28
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	3	1.28
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	8	1.28
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	8	1.28
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	8	1.28
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	8	1.28
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	8	1.28
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	8	1.28
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	2	1.28
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	2	1.28
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	2	1.28
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	5	1.28
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	5	1.28
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	5	1.28
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	11	1.28
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	11	1.28
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	11	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	19	1.28
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	19	1.28
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	14	1.27
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	14	1.27
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	14	1.27
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	12	1.27
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	12	1.27
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	12	1.27
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	12	1.27
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	12	1.27
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	12	1.27
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	5	1.27
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	5	1.27
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	5	1.27
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	13	1.27
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	13	1.27
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	13	1.27
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	1	1.27
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	1	1.27
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	4	1.27
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	4	1.27
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	4	1.27
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	18	1.27
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	18	1.27
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	18	1.27
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	14	1.27
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	17	1.27
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	1	1.27
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	1	1.27
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	1	1.27
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	8	1.27
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	8	1.27
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	8	1.27
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	6	1.27
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	6	1.27
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	6	1.27
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	6	1.27
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	6	1.27
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	6	1.27
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	6	1.27
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	6	1.27
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	6	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	17	1.27
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	17	1.27
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	17	1.27
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	17	1.27
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	17	1.27
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	17	1.27
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	17	1.27
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	17	1.27
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	17	1.27
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	17	1.27
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	17	1.27
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	17	1.27
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	4	1.27
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	4	1.27
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	4	1.27
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	4	1.27
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	4	1.27
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	4	1.27
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	4	1.27
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	4	1.27
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	4	1.27
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	13	1.27
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	13	1.27
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	13	1.27
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	13	1.27
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	13	1.27
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	13	1.27
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	5	1.27
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	5	1.27
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	5	1.27
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	5	1.27
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	5	1.27
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	5	1.27
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	8	1.27
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	8	1.27
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	8	1.27
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	20	1.27
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	20	1.27
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	20	1.27
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	8	1.27
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	8	1.27
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	19	1.27
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	19	1.27
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	19	1.27
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	4	1.27
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	4	1.27
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	4	1.27
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	4	1.27
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	4	1.27
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	4	1.27
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	5	1.27
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	5	1.27
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	5	1.27
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	10	1.27
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	10	1.27
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	20	1.27
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	20	1.27
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	20	1.27
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	20	1.27
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	20	1.27
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	20	1.27
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	17	1.27
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	17	1.27
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	9	1.27
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	5	1.27
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	5	1.27
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	17	1.27
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	17	1.27
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	7	1.27
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	8	1.27
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	8	1.27
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	2	1.26
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	2	1.26
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	2	1.26
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	1	1.26
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	1	1.26
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	1	1.26
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	10	1.26
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	10	1.26
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	10	1.26
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	15	1.26
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	15	1.26
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	15	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	16	1.26
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	16	1.26
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	16	1.26
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	10	1.26
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	10	1.26
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	3	1.26
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	13	1.26
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	18	1.26
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	1	1.26
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	3	1.26
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	1	1.26
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	7	1.26
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	18	1.26
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	18	1.26
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	18	1.26
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	3	1.26
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	3	1.26
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	3	1.26
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	3	1.26
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	3	1.26
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	3	1.26
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	16	1.26
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	16	1.26
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	16	1.26
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	16	1.26
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	16	1.26
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	16	1.26
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	7	1.26
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	7	1.26
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	7	1.26
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	19	1.26
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	19	1.26
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	19	1.26
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	9	1.26
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	9	1.26
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	9	1.26
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	9	1.26
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	9	1.26
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	9	1.26
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	9	1.26
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	9	1.26
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	9	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	9	1.26
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	9	1.26
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	9	1.26
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	9	1.26
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	9	1.26
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	9	1.26
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	9	1.26
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	9	1.26
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	9	1.26
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	12	1.26
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	12	1.26
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	12	1.26
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	12	1.26
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	12	1.26
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	12	1.26
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	19	1.26
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	19	1.26
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	19	1.26
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	19	1.26
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	19	1.26
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	19	1.26
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	3	1.26
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	3	1.26
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	3	1.26
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	10	1.26
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	10	1.26
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	10	1.26
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	15	1.26
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	15	1.26
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	15	1.26
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	5	1.26
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	5	1.26
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	5	1.26
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	5	1.26
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	5	1.26
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	5	1.26
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	12	1.26
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	12	1.26
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	12	1.26
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	6	1.26
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	6	1.26
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	6	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	16	1.26
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	16	1.26
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	16	1.26
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	3	1.26
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	3	1.26
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	8	1.26
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	9	1.26
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	9	1.26
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	18	1.26
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	18	1.26
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	18	1.26
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	18	1.26
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	10	1.26
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	10	1.26
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	10	1.26
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	12	1.26
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	12	1.26
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	12	1.26
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	18	1.26
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	18	1.26
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	18	1.26
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	9	1.26
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	20	1.26
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	20	1.26
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	10	1.26
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	10	1.26
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	6	1.26
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	6	1.26
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	6	1.26
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	12	1.26
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	19	1.26
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	19	1.26
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	19	1.25
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG21	13	1.25
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG22	13	1.25
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG23	13	1.25
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG21	16	1.25
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG22	16	1.25
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG23	16	1.25
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	5	1.25
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	5	1.25
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	19	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	19	1.25
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	19	1.25
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	6	1.25
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	6	1.25
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	3	1.25
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	10	1.25
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	15	1.25
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	9	1.25
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	20	1.25
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	7	1.25
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	7	1.25
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	18	1.25
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD11	18	1.25
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD12	18	1.25
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD13	18	1.25
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	6	1.25
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	6	1.25
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	6	1.25
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	6	1.25
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	6	1.25
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	6	1.25
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	20	1.25
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	20	1.25
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	20	1.25
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	20	1.25
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	20	1.25
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	20	1.25
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	7	1.25
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	7	1.25
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	7	1.25
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	11	1.25
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	11	1.25
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	11	1.25
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	3	1.25
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	3	1.25
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	3	1.25
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	3	1.25
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	3	1.25
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	3	1.25
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	3	1.25
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	3	1.25
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	3	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	13	1.25
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	13	1.25
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	13	1.25
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	13	1.25
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	13	1.25
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	13	1.25
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	13	1.25
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	13	1.25
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	13	1.25
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	8	1.25
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	8	1.25
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	8	1.25
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	8	1.25
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	8	1.25
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	8	1.25
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	8	1.25
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	8	1.25
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	8	1.25
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	8	1.25
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	8	1.25
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	8	1.25
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	8	1.25
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	8	1.25
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	8	1.25
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	8	1.25
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	8	1.25
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	8	1.25
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	17	1.25
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	17	1.25
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	17	1.25
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	17	1.25
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	17	1.25
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	17	1.25
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	17	1.25
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	17	1.25
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	17	1.25
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	17	1.25
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	17	1.25
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	17	1.25
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	17	1.25
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	17	1.25
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	17	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	17	1.25
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	17	1.25
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	17	1.25
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	17	1.25
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	17	1.25
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	17	1.25
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	8	1.25
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	8	1.25
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	8	1.25
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	8	1.25
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	8	1.25
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	8	1.25
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	8	1.25
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	8	1.25
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	8	1.25
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	6	1.25
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	6	1.25
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	6	1.25
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	14	1.25
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	14	1.25
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	14	1.25
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	7	1.25
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	7	1.25
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	7	1.25
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	7	1.25
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	15	1.25
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	15	1.25
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	10	1.25
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	13	1.25
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	19	1.25
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	4	1.25
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	4	1.25
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	4	1.25
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	8	1.25
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	8	1.25
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	8	1.25
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	17	1.25
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	17	1.25
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	1	1.25
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	1	1.25
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	2	1.25
(1,229)	1:82:A:ASN:HB2	1:83:A:TYR:H	16	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	3	1.25
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	3	1.25
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	1	1.25
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	15	1.24
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	15	1.24
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	8	1.24
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	11	1.24
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	18	1.24
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	18	1.24
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	1	1.24
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	1	1.24
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	1	1.24
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	4	1.24
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	4	1.24
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	4	1.24
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	4	1.24
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	4	1.24
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	4	1.24
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	4	1.24
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	4	1.24
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	4	1.24
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	8	1.24
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	8	1.24
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	8	1.24
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	8	1.24
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	8	1.24
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	8	1.24
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	8	1.24
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	8	1.24
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	8	1.24
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	5	1.24
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	5	1.24
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	5	1.24
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	6	1.24
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	6	1.24
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	6	1.24
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	6	1.24
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	6	1.24
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	6	1.24
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	6	1.24
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	6	1.24
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	6	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	6	1.24
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	6	1.24
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	6	1.24
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	6	1.24
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	6	1.24
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	6	1.24
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	6	1.24
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	6	1.24
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	6	1.24
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	6	1.24
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	6	1.24
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	6	1.24
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	4	1.24
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	4	1.24
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	4	1.24
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	4	1.24
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	4	1.24
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	4	1.24
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	10	1.24
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	10	1.24
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	10	1.24
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	5	1.24
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	5	1.24
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	5	1.24
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	5	1.24
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	5	1.24
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	5	1.24
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	5	1.24
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	5	1.24
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	5	1.24
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	15	1.24
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	15	1.24
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	15	1.24
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	15	1.24
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	15	1.24
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	15	1.24
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	15	1.24
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	15	1.24
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	15	1.24
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	11	1.24
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	11	1.24
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	11	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	2	1.24
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	2	1.24
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	2	1.24
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	16	1.24
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	16	1.24
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	16	1.24
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	11	1.24
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	11	1.24
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	11	1.24
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	15	1.24
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	15	1.24
(1,559)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	15	1.24
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	1	1.24
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	1	1.24
(1,517)	1:37:A:ILE:HG12	1:54:A:VAL:HA	16	1.24
(1,517)	1:37:A:ILE:HG13	1:54:A:VAL:HA	16	1.24
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	10	1.24
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	10	1.24
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	10	1.24
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	10	1.24
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	18	1.24
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	18	1.24
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	18	1.24
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	18	1.24
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	6	1.24
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	6	1.24
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	11	1.24
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	11	1.24
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	15	1.24
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	15	1.24
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	13	1.24
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	9	1.24
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	4	1.24
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	9	1.24
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	9	1.24
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	11	1.24
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	11	1.24
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	19	1.24
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	19	1.24
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	19	1.24
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	19	1.24
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	19	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	19	1.24
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	3	1.24
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG21	4	1.23
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG22	4	1.23
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG23	4	1.23
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	6	1.23
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	6	1.23
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	6	1.23
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	6	1.23
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	6	1.23
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	6	1.23
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG12	13	1.23
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG13	13	1.23
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	18	1.23
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	18	1.23
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	4	1.23
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	9	1.23
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	13	1.23
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	16	1.23
(1,940)	1:63:A:LYS:HB2	1:64:A:HIS:HD2	18	1.23
(1,940)	1:63:A:LYS:HB3	1:64:A:HIS:HD2	18	1.23
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	1	1.23
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	1	1.23
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	1	1.23
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	3	1.23
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	3	1.23
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	3	1.23
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	9	1.23
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	9	1.23
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	9	1.23
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	9	1.23
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	9	1.23
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	9	1.23
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	15	1.23
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	15	1.23
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	15	1.23
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	15	1.23
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	15	1.23
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	15	1.23
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	10	1.23
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	10	1.23
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	10	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	1	1.23
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	1	1.23
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	1	1.23
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	14	1.23
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	14	1.23
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	14	1.23
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	4	1.23
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	4	1.23
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	4	1.23
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	4	1.23
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	4	1.23
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	4	1.23
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	4	1.23
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	4	1.23
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	4	1.23
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	4	1.23
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	4	1.23
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	4	1.23
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	4	1.23
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	4	1.23
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	4	1.23
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	4	1.23
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	4	1.23
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	4	1.23
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	7	1.23
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	7	1.23
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	7	1.23
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	7	1.23
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	7	1.23
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	7	1.23
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	7	1.23
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	7	1.23
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	7	1.23
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	7	1.23
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	7	1.23
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	7	1.23
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	7	1.23
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	7	1.23
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	7	1.23
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	7	1.23
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	7	1.23
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	7	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	2	1.23
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	2	1.23
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	2	1.23
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	18	1.23
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	18	1.23
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	18	1.23
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	18	1.23
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	18	1.23
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	12	1.23
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	12	1.23
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	12	1.23
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	17	1.23
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	10	1.23
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	10	1.23
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	7	1.23
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	7	1.23
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	7	1.23
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	5	1.23
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	14	1.23
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	14	1.23
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	9	1.23
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	9	1.23
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	9	1.23
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	9	1.23
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	9	1.23
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	9	1.23
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	13	1.23
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	13	1.23
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	13	1.23
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	13	1.23
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	13	1.23
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	13	1.23
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	17	1.23
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	7	1.22
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	7	1.22
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	7	1.22
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	7	1.22
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	7	1.22
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	7	1.22
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	10	1.22
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	10	1.22
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	10	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	10	1.22
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	10	1.22
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	10	1.22
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	7	1.22
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	7	1.22
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	3	1.22
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	11	1.22
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	20	1.22
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	9	1.22
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	9	1.22
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	13	1.22
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	13	1.22
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	11	1.22
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	11	1.22
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	11	1.22
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	11	1.22
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	11	1.22
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	11	1.22
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	11	1.22
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	11	1.22
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	11	1.22
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	18	1.22
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	18	1.22
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	18	1.22
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	18	1.22
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	18	1.22
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	18	1.22
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	18	1.22
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	18	1.22
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	18	1.22
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	3	1.22
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	3	1.22
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	3	1.22
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	3	1.22
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	3	1.22
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	3	1.22
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	20	1.22
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	20	1.22
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	20	1.22
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	10	1.22
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	10	1.22
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	10	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	2	1.22
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	2	1.22
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	16	1.22
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	16	1.22
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	8	1.22
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	8	1.22
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	8	1.22
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	8	1.22
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	9	1.22
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	9	1.22
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	9	1.22
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	9	1.22
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	13	1.22
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	13	1.22
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	13	1.22
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	13	1.22
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	2	1.22
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	2	1.22
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	4	1.22
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	4	1.22
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	7	1.22
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	7	1.22
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	8	1.22
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	8	1.22
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	9	1.22
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	11	1.22
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	4	1.22
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	16	1.22
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	6	1.22
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	6	1.22
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	6	1.22
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	6	1.22
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	6	1.22
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	6	1.22
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	18	1.22
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	18	1.22
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	18	1.22
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	18	1.22
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	18	1.22
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	18	1.22
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	16	1.22
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	19	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	14	1.21
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	14	1.21
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	14	1.21
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	13	1.21
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	13	1.21
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	7	1.21
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	7	1.21
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	14	1.21
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	14	1.21
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	16	1.21
(1,1070)	1:70:A:ASN:H	1:71:A:ASN:H	11	1.21
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	12	1.21
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	8	1.21
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	15	1.21
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	15	1.21
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD11	20	1.21
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD12	20	1.21
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD13	20	1.21
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	16	1.21
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	16	1.21
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	16	1.21
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	8	1.21
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	8	1.21
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	8	1.21
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	8	1.21
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	8	1.21
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	8	1.21
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	11	1.21
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	11	1.21
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	11	1.21
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	11	1.21
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	11	1.21
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	11	1.21
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	11	1.21
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	11	1.21
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	11	1.21
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	18	1.21
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	18	1.21
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	18	1.21
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	18	1.21
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	18	1.21
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	18	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	18	1.21
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	18	1.21
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	18	1.21
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	7	1.21
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	7	1.21
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	7	1.21
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	7	1.21
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	7	1.21
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	7	1.21
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	10	1.21
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	10	1.21
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	2	1.21
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	2	1.21
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	2	1.21
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	2	1.21
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	19	1.21
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	5	1.21
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	5	1.21
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	13	1.21
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	13	1.21
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	16	1.21
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	16	1.21
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	7	1.21
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	11	1.21
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	18	1.21
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	1	1.21
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	5	1.21
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	18	1.21
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	18	1.21
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	18	1.21
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	3	1.21
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	3	1.21
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	2	1.21
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	2	1.21
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	8	1.21
(1,229)	1:82:A:ASN:HB2	1:83:A:TYR:H	12	1.21
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	10	1.21
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	10	1.21
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	10	1.21
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	10	1.21
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	10	1.21
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	10	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	16	1.21
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	16	1.21
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	16	1.21
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	16	1.21
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	16	1.21
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	16	1.21
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	18	1.21
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	14	1.21
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	20	1.2
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	20	1.2
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	19	1.2
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	19	1.2
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	19	1.2
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	9	1.2
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	9	1.2
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	7	1.2
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	7	1.2
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	5	1.2
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	5	1.2
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	5	1.2
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	8	1.2
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	8	1.2
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	15	1.2
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	8	1.2
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	16	1.2
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	4	1.2
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	4	1.2
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	4	1.2
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	6	1.2
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	6	1.2
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	6	1.2
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG11	20	1.2
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG12	20	1.2
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG13	20	1.2
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG11	20	1.2
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG12	20	1.2
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG13	20	1.2
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG11	20	1.2
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG12	20	1.2
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG13	20	1.2
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	4	1.2
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	4	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	4	1.2
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	12	1.2
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	12	1.2
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	12	1.2
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	10	1.2
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	10	1.2
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	10	1.2
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	10	1.2
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	10	1.2
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	10	1.2
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	9	1.2
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	9	1.2
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	9	1.2
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	11	1.2
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	11	1.2
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	11	1.2
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	1	1.2
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	1	1.2
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	1	1.2
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	1	1.2
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	1	1.2
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	1	1.2
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	1	1.2
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	1	1.2
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	1	1.2
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	1	1.2
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	1	1.2
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	1	1.2
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	17	1.2
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	17	1.2
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	17	1.2
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	20	1.2
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	20	1.2
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	20	1.2
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	16	1.2
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	1	1.2
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	1	1.2
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	19	1.2
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	20	1.2
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	6	1.2
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	19	1.2
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	12	1.2
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	12	1.2
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	16	1.2
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	16	1.2
(1,229)	1:82:A:ASN:HB2	1:83:A:TYR:H	9	1.2
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	6	1.2
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	6	1.2
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	16	1.2
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	8	1.2
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	8	1.2
(1,23)	1:11:A:PHE:HB2	1:84:A:SER:HB2	6	1.2
(1,23)	1:11:A:PHE:HB2	1:84:A:SER:HB3	6	1.2
(1,23)	1:11:A:PHE:HB3	1:84:A:SER:HB2	6	1.2
(1,23)	1:11:A:PHE:HB3	1:84:A:SER:HB3	6	1.2
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	16	1.19
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	16	1.19
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	16	1.19
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	16	1.19
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	16	1.19
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	16	1.19
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	11	1.19
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	11	1.19
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	11	1.19
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	8	1.19
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	8	1.19
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	11	1.19
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	11	1.19
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	1	1.19
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	1	1.19
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	4	1.19
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	4	1.19
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	4	1.19
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	6	1.19
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	6	1.19
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	6	1.19
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	10	1.19
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	10	1.19
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	10	1.19
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	12	1.19
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	12	1.19
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	12	1.19
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	10	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	9	1.19
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	9	1.19
(1,1053)	1:61:A:ASP:HB2	1:62:A:ALA:H	3	1.19
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	2	1.19
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	2	1.19
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	2	1.19
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	2	1.19
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	2	1.19
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	2	1.19
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	2	1.19
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	2	1.19
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	2	1.19
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	20	1.19
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	20	1.19
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	20	1.19
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	1	1.19
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	1	1.19
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	1	1.19
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	19	1.19
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	19	1.19
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	19	1.19
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	8	1.19
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	8	1.19
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	8	1.19
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	8	1.19
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	8	1.19
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	8	1.19
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	8	1.19
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	8	1.19
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	8	1.19
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	14	1.19
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	14	1.19
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	14	1.19
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	14	1.19
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	14	1.19
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	14	1.19
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	10	1.19
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	10	1.19
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	10	1.19
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	13	1.19
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	13	1.19
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	13	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	13	1.19
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	13	1.19
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	13	1.19
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	13	1.19
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	13	1.19
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	13	1.19
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	13	1.19
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	13	1.19
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	13	1.19
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	13	1.19
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	13	1.19
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	13	1.19
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	13	1.19
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	13	1.19
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	13	1.19
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	12	1.19
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	12	1.19
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	12	1.19
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	12	1.19
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	12	1.19
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	12	1.19
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	12	1.19
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	12	1.19
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	12	1.19
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	12	1.19
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	12	1.19
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	12	1.19
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	12	1.19
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	12	1.19
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	12	1.19
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	16	1.19
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	16	1.19
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	16	1.19
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	10	1.19
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	10	1.19
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	10	1.19
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	19	1.19
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	19	1.19
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	19	1.19
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	3	1.19
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	3	1.19
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	3	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	3	1.19
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	3	1.19
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	3	1.19
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	3	1.19
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	3	1.19
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	3	1.19
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	4	1.19
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	4	1.19
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	4	1.19
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	4	1.19
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	4	1.19
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	4	1.19
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	4	1.19
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	4	1.19
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	4	1.19
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	9	1.19
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	9	1.19
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	9	1.19
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	4	1.19
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	4	1.19
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	4	1.19
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	6	1.19
(1,292)	1:33:A:ASP:HB2	1:34:A:ILE:H	14	1.19
(1,292)	1:33:A:ASP:HB3	1:34:A:ILE:H	14	1.19
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	19	1.19
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	15	1.19
(1,229)	1:82:A:ASN:HB2	1:83:A:TYR:H	11	1.19
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	5	1.19
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	5	1.19
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	5	1.19
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	5	1.19
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	5	1.19
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	5	1.19
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	14	1.19
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	14	1.19
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	14	1.19
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	8	1.19
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	10	1.19
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	10	1.19
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	4	1.19
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	4	1.19
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	4	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	6	1.18
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	6	1.18
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	6	1.18
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	13	1.18
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	13	1.18
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	13	1.18
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	7	1.18
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	7	1.18
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	7	1.18
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	9	1.18
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	9	1.18
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	9	1.18
(1,1447)	1:9:A:ILE:HA	1:55:A:GLU:HG2	14	1.18
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	9	1.18
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	9	1.18
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	9	1.18
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	10	1.18
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	10	1.18
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	10	1.18
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	17	1.18
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	20	1.18
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	20	1.18
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	18	1.18
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	12	1.18
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	17	1.18
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	17	1.18
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	17	1.18
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	16	1.18
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	9	1.18
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	12	1.18
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	11	1.18
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	11	1.18
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	11	1.18
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	9	1.18
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	9	1.18
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	9	1.18
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	9	1.18
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	9	1.18
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	9	1.18
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	20	1.18
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	20	1.18
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	20	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	19	1.18
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	19	1.18
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	19	1.18
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	7	1.18
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	7	1.18
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	7	1.18
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	12	1.18
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	12	1.18
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	12	1.18
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	2	1.18
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	2	1.18
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	2	1.18
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	20	1.18
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	20	1.18
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	20	1.18
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	10	1.18
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	10	1.18
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	10	1.18
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	13	1.18
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	13	1.18
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	13	1.18
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	14	1.18
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	14	1.18
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	14	1.18
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	6	1.18
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	6	1.18
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	6	1.18
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	6	1.18
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	6	1.18
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	1	1.18
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	1	1.18
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	1	1.18
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	1	1.18
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	1	1.18
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	1	1.18
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	9	1.18
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	9	1.18
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	9	1.18
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	14	1.18
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	14	1.18
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	14	1.18
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	14	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	5	1.18
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	5	1.18
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	6	1.18
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	6	1.18
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	13	1.18
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	3	1.18
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	15	1.18
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	9	1.18
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	9	1.18
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	9	1.18
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG21	14	1.18
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG22	14	1.18
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG23	14	1.18
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	12	1.18
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	19	1.18
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	10	1.18
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	10	1.18
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	10	1.18
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	9	1.18
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	10	1.18
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	15	1.18
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	15	1.18
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	15	1.18
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	15	1.18
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	15	1.18
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	15	1.18
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	2	1.18
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	2	1.18
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	12	1.18
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	12	1.18
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	12	1.18
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	11	1.17
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	11	1.17
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	11	1.17
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	13	1.17
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	13	1.17
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	13	1.17
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	3	1.17
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	3	1.17
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	7	1.17
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	7	1.17
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	10	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	10	1.17
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	4	1.17
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	4	1.17
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	18	1.17
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	18	1.17
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	8	1.17
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	7	1.17
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	19	1.17
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	4	1.17
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	4	1.17
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	4	1.17
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	8	1.17
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	20	1.17
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	6	1.17
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	6	1.17
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	6	1.17
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	1	1.17
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	1	1.17
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	1	1.17
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	1	1.17
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	1	1.17
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	1	1.17
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	1	1.17
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	1	1.17
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	1	1.17
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD11	14	1.17
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD12	14	1.17
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD13	14	1.17
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	12	1.17
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	12	1.17
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	12	1.17
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	19	1.17
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	19	1.17
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	19	1.17
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	19	1.17
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	19	1.17
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	19	1.17
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	19	1.17
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	19	1.17
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	19	1.17
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	20	1.17
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	20	1.17
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	20	1.17
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	20	1.17
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	20	1.17
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	16	1.17
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	16	1.17
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	16	1.17
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	16	1.17
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	16	1.17
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	16	1.17
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	17	1.17
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	17	1.17
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	17	1.17
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	17	1.17
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	17	1.17
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	17	1.17
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	18	1.17
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	18	1.17
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	18	1.17
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	14	1.17
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	14	1.17
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	14	1.17
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	20	1.17
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	20	1.17
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	20	1.17
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	20	1.17
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	20	1.17
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	20	1.17
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	20	1.17
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	20	1.17
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	20	1.17
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG2	9	1.17
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG3	9	1.17
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	15	1.17
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	15	1.17
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	15	1.17
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	16	1.17
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	16	1.17
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	16	1.17
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	1	1.17
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	1	1.17
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	1	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	16	1.17
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	16	1.17
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	16	1.17
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	19	1.17
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	19	1.17
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	19	1.17
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	19	1.17
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	10	1.17
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	15	1.17
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	15	1.17
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	15	1.17
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	15	1.17
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	14	1.17
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	9	1.17
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	9	1.17
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	9	1.17
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	2	1.17
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	2	1.17
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	14	1.16
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	14	1.16
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	14	1.16
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	17	1.16
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	17	1.16
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	17	1.16
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	2	1.16
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	2	1.16
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	2	1.16
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	16	1.16
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	16	1.16
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	16	1.16
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	20	1.16
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	20	1.16
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	20	1.16
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	5	1.16
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	5	1.16
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	7	1.16
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	7	1.16
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	7	1.16
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	12	1.16
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	12	1.16
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	12	1.16
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	7	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	7	1.16
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	14	1.16
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	14	1.16
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	6	1.16
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	6	1.16
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	6	1.16
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	20	1.16
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	20	1.16
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	3	1.16
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	4	1.16
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	5	1.16
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	13	1.16
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	8	1.16
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	8	1.16
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	20	1.16
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	20	1.16
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	20	1.16
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	13	1.16
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	13	1.16
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	13	1.16
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	4	1.16
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	4	1.16
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	4	1.16
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	4	1.16
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	4	1.16
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	4	1.16
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	4	1.16
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	4	1.16
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	4	1.16
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	17	1.16
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	17	1.16
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	17	1.16
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	17	1.16
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	17	1.16
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	17	1.16
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	17	1.16
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	17	1.16
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	17	1.16
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	1	1.16
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	1	1.16
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	1	1.16
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	1	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	1	1.16
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	1	1.16
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	1	1.16
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	1	1.16
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	1	1.16
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	14	1.16
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	14	1.16
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	14	1.16
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	14	1.16
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	14	1.16
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	14	1.16
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	14	1.16
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	14	1.16
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	14	1.16
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	6	1.16
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	6	1.16
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	6	1.16
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	6	1.16
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	6	1.16
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	6	1.16
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	9	1.16
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	9	1.16
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	9	1.16
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	13	1.16
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	13	1.16
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	13	1.16
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	2	1.16
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	2	1.16
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	2	1.16
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	5	1.16
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	5	1.16
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	5	1.16
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	10	1.16
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	10	1.16
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	7	1.16
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	12	1.16
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	12	1.16
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	14	1.16
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	6	1.16
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	8	1.16
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	2	1.16
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	2	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	2	1.16
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	17	1.16
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	17	1.16
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	16	1.16
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	16	1.16
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	16	1.16
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	16	1.16
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	13	1.16
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	17	1.16
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	18	1.16
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	7	1.16
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	7	1.16
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	16	1.16
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	16	1.16
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	12	1.16
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	12	1.16
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	16	1.15
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	16	1.15
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	16	1.15
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG21	8	1.15
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG22	8	1.15
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG23	8	1.15
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG21	19	1.15
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG22	19	1.15
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG23	19	1.15
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	10	1.15
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	10	1.15
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	16	1.15
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	16	1.15
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	16	1.15
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	19	1.15
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	5	1.15
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	5	1.15
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	1	1.15
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	11	1.15
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	11	1.15
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	17	1.15
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	17	1.15
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	11	1.15
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	14	1.15
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	20	1.15
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	17	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	17	1.15
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	9	1.15
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	10	1.15
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	10	1.15
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	10	1.15
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	7	1.15
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	7	1.15
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	7	1.15
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	10	1.15
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	10	1.15
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	10	1.15
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	3	1.15
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	3	1.15
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	3	1.15
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	4	1.15
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	4	1.15
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	4	1.15
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	5	1.15
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	5	1.15
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	5	1.15
(1,792)	1:62:A:ALA:HB1	1:63:A:LYS:H	3	1.15
(1,792)	1:62:A:ALA:HB2	1:63:A:LYS:H	3	1.15
(1,792)	1:62:A:ALA:HB3	1:63:A:LYS:H	3	1.15
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	5	1.15
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	5	1.15
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	5	1.15
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	17	1.15
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	17	1.15
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	17	1.15
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	7	1.15
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	7	1.15
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	7	1.15
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	14	1.15
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	14	1.15
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	14	1.15
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	4	1.15
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	4	1.15
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	4	1.15
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	19	1.15
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	19	1.15
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	19	1.15
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	19	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	19	1.15
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	19	1.15
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	19	1.15
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	19	1.15
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	19	1.15
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	9	1.15
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	9	1.15
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	9	1.15
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	19	1.15
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	8	1.15
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	8	1.15
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	7	1.15
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	7	1.15
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	7	1.15
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	7	1.15
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	7	1.15
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	7	1.15
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	14	1.15
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	14	1.15
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	14	1.15
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG21	15	1.14
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG22	15	1.14
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG23	15	1.14
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	12	1.14
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	12	1.14
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	12	1.14
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	9	1.14
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	9	1.14
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	17	1.14
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	17	1.14
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	9	1.14
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	9	1.14
(1,1144)	1:56:A:TYR:HD1	1:57:A:VAL:H	19	1.14
(1,1144)	1:56:A:TYR:HD2	1:57:A:VAL:H	19	1.14
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	15	1.14
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	19	1.14
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	19	1.14
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	19	1.14
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	19	1.14
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	14	1.14
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	19	1.14
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	19	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	19	1.14
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	19	1.14
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	19	1.14
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	19	1.14
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	19	1.14
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	19	1.14
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	19	1.14
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	11	1.14
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	11	1.14
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	11	1.14
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	17	1.14
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	17	1.14
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	17	1.14
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	3	1.14
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	3	1.14
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	3	1.14
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	17	1.14
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	17	1.14
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	17	1.14
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	13	1.14
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	13	1.14
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	13	1.14
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	18	1.14
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	18	1.14
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	16	1.14
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	16	1.14
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	16	1.14
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	16	1.14
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD1	9	1.14
(1,430)	1:38:A:GLU:HB3	1:53:A:PHE:HD2	9	1.14
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	13	1.14
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	20	1.14
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	10	1.14
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	10	1.14
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	3	1.14
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	7	1.14
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	11	1.14
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	7	1.14
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	7	1.14
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	7	1.14
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	15	1.14
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	15	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	15	1.14
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	18	1.14
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	18	1.14
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	18	1.14
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	1	1.14
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	16	1.14
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	16	1.14
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	3	1.14
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	14	1.14
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	10	1.14
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	10	1.14
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	14	1.13
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	14	1.13
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	2	1.13
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	2	1.13
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	2	1.13
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	16	1.13
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	2	1.13
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	2	1.13
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	2	1.13
(1,1315)	1:11:A:PHE:HE1	1:13:A:GLY:H	9	1.13
(1,1315)	1:11:A:PHE:HE2	1:13:A:GLY:H	9	1.13
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	12	1.13
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	9	1.13
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	9	1.13
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	9	1.13
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	3	1.13
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	14	1.13
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	14	1.13
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	6	1.13
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	2	1.13
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	17	1.13
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	18	1.13
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	8	1.13
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	8	1.13
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	16	1.13
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	16	1.13
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	16	1.13
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	11	1.13
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	11	1.13
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	11	1.13
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	12	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	12	1.13
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	12	1.13
(1,875)	1:15:A:ILE:HD11	1:48:A:ASN:HB3	20	1.13
(1,875)	1:15:A:ILE:HD12	1:48:A:ASN:HB3	20	1.13
(1,875)	1:15:A:ILE:HD13	1:48:A:ASN:HB3	20	1.13
(1,852)	1:37:A:ILE:HG21	1:54:A:VAL:HA	2	1.13
(1,852)	1:37:A:ILE:HG22	1:54:A:VAL:HA	2	1.13
(1,852)	1:37:A:ILE:HG23	1:54:A:VAL:HA	2	1.13
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	18	1.13
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	18	1.13
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	18	1.13
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	18	1.13
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	18	1.13
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	18	1.13
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	5	1.13
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	5	1.13
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	5	1.13
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	16	1.13
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	16	1.13
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	16	1.13
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	9	1.13
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	9	1.13
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	9	1.13
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	9	1.13
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	9	1.13
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	9	1.13
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	9	1.13
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	9	1.13
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	9	1.13
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	10	1.13
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	10	1.13
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	10	1.13
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	10	1.13
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	10	1.13
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	10	1.13
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	10	1.13
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	10	1.13
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	10	1.13
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	3	1.13
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	3	1.13
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	3	1.13
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	3	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	3	1.13
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	3	1.13
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	11	1.13
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	11	1.13
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	11	1.13
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	11	1.13
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	11	1.13
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	11	1.13
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	11	1.13
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	11	1.13
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	11	1.13
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	20	1.13
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	20	1.13
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	20	1.13
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	19	1.13
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	19	1.13
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	19	1.13
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	2	1.13
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	2	1.13
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	2	1.13
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	2	1.13
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	2	1.13
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	2	1.13
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	8	1.13
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	8	1.13
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	8	1.13
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	13	1.13
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	13	1.13
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	13	1.13
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	8	1.13
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	8	1.13
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	8	1.13
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	10	1.13
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	10	1.13
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	10	1.13
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	18	1.13
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	18	1.13
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	18	1.13
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	20	1.13
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	20	1.13
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	20	1.13
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	12	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	12	1.13
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	5	1.13
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	5	1.13
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	5	1.13
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	5	1.13
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	5	1.13
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	5	1.13
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	13	1.13
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	7	1.13
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	19	1.13
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	3	1.13
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	16	1.13
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	16	1.13
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	16	1.13
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	19	1.13
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	19	1.13
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	11	1.13
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	11	1.13
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	11	1.13
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	6	1.13
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	15	1.13
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	15	1.13
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	15	1.13
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	3	1.13
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	3	1.13
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	14	1.12
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	14	1.12
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	14	1.12
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	11	1.12
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	11	1.12
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	11	1.12
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	5	1.12
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	5	1.12
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	5	1.12
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	9	1.12
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	9	1.12
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	9	1.12
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	16	1.12
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	16	1.12
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	10	1.12
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	10	1.12
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	12	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	12	1.12
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	7	1.12
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	7	1.12
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	7	1.12
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG2	16	1.12
(1,1225)	1:63:A:LYS:H	1:63:A:LYS:HG3	16	1.12
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	7	1.12
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	7	1.12
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	7	1.12
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	2	1.12
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	2	1.12
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	8	1.12
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	8	1.12
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	15	1.12
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	9	1.12
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	3	1.12
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	7	1.12
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	9	1.12
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	19	1.12
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	6	1.12
(1,967)	1:55:A:GLU:HG2	1:56:A:TYR:H	15	1.12
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	3	1.12
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	3	1.12
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	3	1.12
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	3	1.12
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	3	1.12
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	3	1.12
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	14	1.12
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	14	1.12
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	14	1.12
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD11	14	1.12
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD12	14	1.12
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD13	14	1.12
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	18	1.12
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	18	1.12
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	18	1.12
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	18	1.12
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	18	1.12
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	18	1.12
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	6	1.12
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	6	1.12
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	6	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	12	1.12
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	12	1.12
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	12	1.12
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	12	1.12
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	12	1.12
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	12	1.12
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	12	1.12
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	12	1.12
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	12	1.12
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	14	1.12
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	14	1.12
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	14	1.12
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	14	1.12
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	14	1.12
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	14	1.12
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	14	1.12
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	14	1.12
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	14	1.12
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	14	1.12
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	14	1.12
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	14	1.12
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	14	1.12
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	14	1.12
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	14	1.12
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	14	1.12
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	14	1.12
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	14	1.12
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	20	1.12
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	20	1.12
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	20	1.12
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	20	1.12
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	20	1.12
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	20	1.12
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	20	1.12
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	20	1.12
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	20	1.12
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	20	1.12
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	20	1.12
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	20	1.12
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	20	1.12
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	20	1.12
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	20	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	20	1.12
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	20	1.12
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	20	1.12
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	8	1.12
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	8	1.12
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	8	1.12
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	18	1.12
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	18	1.12
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	18	1.12
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	18	1.12
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	18	1.12
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	18	1.12
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	1	1.12
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	1	1.12
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	1	1.12
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	15	1.12
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	15	1.12
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	15	1.12
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	20	1.12
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	20	1.12
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	20	1.12
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	14	1.12
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	14	1.12
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	14	1.12
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	14	1.12
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	14	1.12
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	14	1.12
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	14	1.12
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	14	1.12
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	14	1.12
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	7	1.12
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	7	1.12
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	7	1.12
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	2	1.12
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	2	1.12
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	2	1.12
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	9	1.12
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	9	1.12
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	9	1.12
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	7	1.12
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	7	1.12
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	1	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	1	1.12
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	20	1.12
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	19	1.12
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	19	1.12
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	19	1.12
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	19	1.12
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	6	1.12
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	12	1.12
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	12	1.12
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	12	1.12
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	5	1.12
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	12	1.12
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	18	1.12
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	7	1.12
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	17	1.12
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	17	1.12
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	17	1.12
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	17	1.12
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB2	12	1.12
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB3	12	1.12
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	9	1.11
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	9	1.11
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	9	1.11
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	8	1.11
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	8	1.11
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	8	1.11
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	13	1.11
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	13	1.11
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	13	1.11
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG11	14	1.11
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG12	14	1.11
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG13	14	1.11
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG11	14	1.11
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG12	14	1.11
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG13	14	1.11
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG11	14	1.11
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG12	14	1.11
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG13	14	1.11
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG12	8	1.11
(1,1464)	1:27:A:ILE:HG21	1:27:A:ILE:HG13	8	1.11
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG12	8	1.11
(1,1464)	1:27:A:ILE:HG22	1:27:A:ILE:HG13	8	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG12	8	1.11
(1,1464)	1:27:A:ILE:HG23	1:27:A:ILE:HG13	8	1.11
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	1	1.11
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	1	1.11
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	1	1.11
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	20	1.11
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	20	1.11
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	20	1.11
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	20	1.11
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	7	1.11
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	7	1.11
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	7	1.11
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	9	1.11
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	6	1.11
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	19	1.11
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	10	1.11
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	12	1.11
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	8	1.11
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	8	1.11
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	8	1.11
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	19	1.11
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	19	1.11
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	13	1.11
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	13	1.11
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	7	1.11
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	7	1.11
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	7	1.11
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	12	1.11
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	12	1.11
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	12	1.11
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	7	1.11
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	7	1.11
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	7	1.11
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	9	1.11
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	9	1.11
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	9	1.11
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	5	1.11
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	5	1.11
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	5	1.11
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	5	1.11
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	5	1.11
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	5	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	5	1.11
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	5	1.11
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	5	1.11
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	15	1.11
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	15	1.11
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	15	1.11
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	14	1.11
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	14	1.11
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	14	1.11
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	14	1.11
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	14	1.11
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	14	1.11
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	5	1.11
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	5	1.11
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	5	1.11
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	5	1.11
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	5	1.11
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	5	1.11
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	15	1.11
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	15	1.11
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	15	1.11
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	9	1.11
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	9	1.11
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	9	1.11
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	9	1.11
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	9	1.11
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	9	1.11
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	9	1.11
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	9	1.11
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	9	1.11
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	16	1.11
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	16	1.11
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	16	1.11
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	12	1.11
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	12	1.11
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	12	1.11
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	12	1.11
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	12	1.11
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	12	1.11
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	12	1.11
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	12	1.11
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	12	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG2	5	1.11
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG3	5	1.11
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	1	1.11
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	10	1.11
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	3	1.11
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	15	1.11
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	9	1.11
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	9	1.11
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	9	1.11
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	15	1.11
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	15	1.11
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	2	1.11
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	7	1.11
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	9	1.11
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	9	1.11
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	2	1.1
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	2	1.1
(1,1315)	1:11:A:PHE:HE1	1:13:A:GLY:H	3	1.1
(1,1315)	1:11:A:PHE:HE2	1:13:A:GLY:H	3	1.1
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	5	1.1
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	5	1.1
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	18	1.1
(1,1146)	1:3:A:ASP:HA	1:4:A:ASN:H	20	1.1
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	1	1.1
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	12	1.1
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	11	1.1
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	11	1.1
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	11	1.1
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG21	15	1.1
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG22	15	1.1
(1,1024)	1:81:A:VAL:H	1:81:A:VAL:HG23	15	1.1
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	11	1.1
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	11	1.1
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	14	1.1
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	14	1.1
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	13	1.1
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	13	1.1
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	13	1.1
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	3	1.1
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	3	1.1
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	3	1.1
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	3	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	3	1.1
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	3	1.1
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	3	1.1
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	3	1.1
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	3	1.1
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG11	14	1.1
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG12	14	1.1
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG13	14	1.1
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG11	14	1.1
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG12	14	1.1
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG13	14	1.1
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG11	14	1.1
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG12	14	1.1
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG13	14	1.1
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	2	1.1
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	2	1.1
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	2	1.1
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	15	1.1
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	15	1.1
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	15	1.1
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	2	1.1
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	2	1.1
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	2	1.1
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	3	1.1
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	3	1.1
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	3	1.1
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	10	1.1
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	10	1.1
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	10	1.1
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	8	1.1
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	8	1.1
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	8	1.1
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	2	1.1
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	2	1.1
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	2	1.1
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	4	1.1
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	4	1.1
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	4	1.1
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	4	1.1
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	4	1.1
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	4	1.1
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	4	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	4	1.1
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	4	1.1
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	1	1.1
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	1	1.1
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	1	1.1
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	2	1.1
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	2	1.1
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	2	1.1
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	2	1.1
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	2	1.1
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	2	1.1
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	2	1.1
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	2	1.1
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	2	1.1
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	19	1.1
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	19	1.1
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	19	1.1
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	3	1.1
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	3	1.1
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	3	1.1
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	12	1.1
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	12	1.1
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	12	1.1
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD11	19	1.1
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD12	19	1.1
(1,616)	1:66:A:LEU:HB2	1:66:A:LEU:HD13	19	1.1
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG12	19	1.1
(1,584)	1:15:A:ILE:H	1:15:A:ILE:HG13	19	1.1
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG12	14	1.1
(1,545)	1:27:A:ILE:H	1:27:A:ILE:HG13	14	1.1
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	10	1.1
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	10	1.1
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	10	1.1
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	10	1.1
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	3	1.1
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	15	1.1
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	15	1.1
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	15	1.1
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	18	1.1
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	18	1.1
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	9	1.1
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	6	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	6	1.1
(1,229)	1:82:A:ASN:HB2	1:83:A:TYR:H	6	1.1
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	10	1.1
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	10	1.1
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	20	1.1
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	20	1.1
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	3	1.09
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	3	1.09
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	3	1.09
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	13	1.09
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	13	1.09
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	17	1.09
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	17	1.09
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	17	1.09
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	13	1.09
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	13	1.09
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	13	1.09
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	2	1.09
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	2	1.09
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	2	1.09
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	4	1.09
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	4	1.09
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	4	1.09
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	10	1.09
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	6	1.09
(1,1117)	1:66:A:LEU:H	1:66:A:LEU:HB3	10	1.09
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	2	1.09
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	18	1.09
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	18	1.09
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	18	1.09
(1,913)	1:83:A:TYR:H	1:83:A:TYR:HD1	20	1.09
(1,913)	1:83:A:TYR:H	1:83:A:TYR:HD2	20	1.09
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	5	1.09
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	5	1.09
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	5	1.09
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	15	1.09
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	15	1.09
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	15	1.09
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	5	1.09
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	5	1.09
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	5	1.09
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	6	1.09
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	6	1.09
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	7	1.09
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	7	1.09
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	7	1.09
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	1	1.09
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	1	1.09
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	1	1.09
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	1	1.09
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	1	1.09
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	1	1.09
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	1	1.09
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	1	1.09
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	1	1.09
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	11	1.09
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	11	1.09
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	11	1.09
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	11	1.09
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	11	1.09
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	11	1.09
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	11	1.09
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	11	1.09
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	11	1.09
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	19	1.09
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	19	1.09
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	19	1.09
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	19	1.09
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	19	1.09
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	19	1.09
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	19	1.09
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	19	1.09
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	19	1.09
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	17	1.09
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	17	1.09
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	17	1.09
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	12	1.09
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	12	1.09
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	12	1.09
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	12	1.09
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	12	1.09
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	12	1.09
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	9	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	9	1.09
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	9	1.09
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	9	1.09
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	9	1.09
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	9	1.09
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	3	1.09
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	3	1.09
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	3	1.09
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	3	1.09
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	3	1.09
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	3	1.09
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	19	1.09
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	19	1.09
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	19	1.09
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD21	4	1.09
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD22	4	1.09
(1,683)	1:41:A:LEU:HB2	1:41:A:LEU:HD23	4	1.09
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	6	1.09
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	6	1.09
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	6	1.09
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	9	1.09
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	9	1.09
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	9	1.09
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	6	1.09
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	6	1.09
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	6	1.09
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	9	1.09
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	9	1.09
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	14	1.09
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	14	1.09
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	18	1.09
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	10	1.09
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	3	1.09
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	8	1.09
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	10	1.09
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	17	1.09
(1,345)	1:25:A:TYR:HB3	1:26:A:ASP:H	11	1.09
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	4	1.09
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	5	1.09
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	2	1.09
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	19	1.09
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	19	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	19	1.09
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	13	1.09
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	15	1.09
(1,31)	1:25:A:TYR:HA	1:37:A:ILE:HG12	18	1.09
(1,31)	1:25:A:TYR:HA	1:37:A:ILE:HG13	18	1.09
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	20	1.08
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	20	1.08
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	20	1.08
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	2	1.08
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	2	1.08
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	2	1.08
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	6	1.08
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	6	1.08
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	11	1.08
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	11	1.08
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	11	1.08
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	18	1.08
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	16	1.08
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	16	1.08
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	9	1.08
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	13	1.08
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	4	1.08
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	4	1.08
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	6	1.08
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	8	1.08
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	8	1.08
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	8	1.08
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	15	1.08
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	15	1.08
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	15	1.08
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	16	1.08
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	17	1.08
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	17	1.08
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	17	1.08
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	12	1.08
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	12	1.08
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	12	1.08
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	20	1.08
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	20	1.08
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	20	1.08
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	20	1.08
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	20	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	20	1.08
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	20	1.08
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	20	1.08
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	20	1.08
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	2	1.08
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	2	1.08
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	2	1.08
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	4	1.08
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	4	1.08
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	4	1.08
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	14	1.08
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	14	1.08
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	14	1.08
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	11	1.08
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	11	1.08
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	11	1.08
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	11	1.08
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	11	1.08
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	11	1.08
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	4	1.08
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	4	1.08
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	4	1.08
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	4	1.08
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	4	1.08
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	4	1.08
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	8	1.08
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	8	1.08
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	8	1.08
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	8	1.08
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	8	1.08
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	8	1.08
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	3	1.08
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	3	1.08
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	3	1.08
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	3	1.08
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	3	1.08
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	3	1.08
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	10	1.08
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	10	1.08
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	10	1.08
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	10	1.08
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	10	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	10	1.08
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	7	1.08
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	7	1.08
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	7	1.08
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	14	1.08
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	14	1.08
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	14	1.08
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	3	1.08
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	3	1.08
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	3	1.08
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	3	1.08
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	3	1.08
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	3	1.08
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	8	1.08
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	8	1.08
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	8	1.08
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	13	1.08
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	13	1.08
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	13	1.08
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	7	1.08
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	7	1.08
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	7	1.08
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	7	1.08
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	7	1.08
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	7	1.08
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	10	1.08
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	10	1.08
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	10	1.08
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	3	1.08
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	3	1.08
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	4	1.08
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	4	1.08
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	4	1.08
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	19	1.08
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	19	1.08
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	12	1.08
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	10	1.08
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	20	1.08
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	1	1.08
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	1	1.08
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	1	1.08
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	1	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	1	1.08
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	13	1.08
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	3	1.08
(1,232)	1:20:A:ASP:HB3	1:21:A:GLU:H	8	1.08
(1,41)	1:29:A:SER:HB2	1:34:A:ILE:HG12	15	1.08
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	14	1.08
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	14	1.08
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG21	10	1.07
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG22	10	1.07
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG23	10	1.07
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	9	1.07
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	9	1.07
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	9	1.07
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	9	1.07
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	9	1.07
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	9	1.07
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	17	1.07
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	17	1.07
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	17	1.07
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	8	1.07
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	8	1.07
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	16	1.07
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	16	1.07
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	18	1.07
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	18	1.07
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	18	1.07
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	4	1.07
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	4	1.07
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	18	1.07
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	18	1.07
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	18	1.07
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	1	1.07
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	1	1.07
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	1	1.07
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	3	1.07
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	3	1.07
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	3	1.07
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	20	1.07
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	20	1.07
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	20	1.07
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	4	1.07
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	12	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	3	1.07
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	7	1.07
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	7	1.07
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	7	1.07
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	7	1.07
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	7	1.07
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	7	1.07
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	15	1.07
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	15	1.07
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	15	1.07
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	15	1.07
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	15	1.07
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	15	1.07
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	17	1.07
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	17	1.07
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	17	1.07
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	17	1.07
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	17	1.07
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	17	1.07
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	17	1.07
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	17	1.07
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	17	1.07
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	19	1.07
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	19	1.07
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	19	1.07
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	18	1.07
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	18	1.07
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	18	1.07
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	2	1.07
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	2	1.07
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	2	1.07
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	2	1.07
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	2	1.07
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	2	1.07
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	2	1.07
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	2	1.07
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	2	1.07
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	16	1.07
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	16	1.07
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	16	1.07
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	2	1.07
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	2	1.07
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	2	1.07
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	2	1.07
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	2	1.07
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	16	1.07
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	16	1.07
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	16	1.07
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	18	1.07
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	18	1.07
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	18	1.07
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	18	1.07
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	18	1.07
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	18	1.07
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	18	1.07
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	18	1.07
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	18	1.07
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	19	1.07
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	19	1.07
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	19	1.07
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	19	1.07
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	19	1.07
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	19	1.07
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	18	1.07
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	18	1.07
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	9	1.07
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	8	1.07
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	13	1.07
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	13	1.07
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	13	1.07
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	13	1.07
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	18	1.07
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	14	1.07
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	18	1.07
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	7	1.07
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	10	1.07
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	10	1.07
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	10	1.07
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	5	1.07
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	5	1.07
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	17	1.07
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	6	1.07
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	15	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	15	1.07
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	15	1.07
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	17	1.07
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	16	1.07
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	16	1.07
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	3	1.07
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	3	1.07
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG21	7	1.06
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG22	7	1.06
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG23	7	1.06
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	16	1.06
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	16	1.06
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	16	1.06
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	6	1.06
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	6	1.06
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	6	1.06
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	17	1.06
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	17	1.06
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	17	1.06
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	15	1.06
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	15	1.06
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	15	1.06
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	1	1.06
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	1	1.06
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	3	1.06
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	3	1.06
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	9	1.06
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	9	1.06
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	9	1.06
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	15	1.06
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	15	1.06
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	15	1.06
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	15	1.06
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	15	1.06
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	15	1.06
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	14	1.06
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	14	1.06
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	14	1.06
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	20	1.06
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	19	1.06
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	19	1.06
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	19	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:56:A:TYR:HB2	1:61:A:ASP:H	17	1.06
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	4	1.06
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	4	1.06
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	4	1.06
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	8	1.06
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	1	1.06
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	1	1.06
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	9	1.06
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	9	1.06
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	9	1.06
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	8	1.06
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	8	1.06
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	8	1.06
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	8	1.06
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	8	1.06
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	8	1.06
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	8	1.06
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	8	1.06
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	8	1.06
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	8	1.06
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	8	1.06
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	8	1.06
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	4	1.06
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	4	1.06
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	4	1.06
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	2	1.06
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	2	1.06
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	2	1.06
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	2	1.06
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	2	1.06
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	2	1.06
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	2	1.06
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	2	1.06
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	2	1.06
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	5	1.06
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	5	1.06
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	5	1.06
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	5	1.06
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	5	1.06
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	5	1.06
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	13	1.06
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	13	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	13	1.06
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	13	1.06
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	13	1.06
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	13	1.06
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	8	1.06
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	8	1.06
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	8	1.06
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	8	1.06
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	8	1.06
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	8	1.06
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	5	1.06
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	5	1.06
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	5	1.06
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	6	1.06
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	6	1.06
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	6	1.06
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	11	1.06
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	11	1.06
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	11	1.06
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	4	1.06
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	4	1.06
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	4	1.06
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	7	1.06
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	7	1.06
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	7	1.06
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	6	1.06
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	6	1.06
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	6	1.06
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	6	1.06
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	6	1.06
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	6	1.06
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	6	1.06
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	6	1.06
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	6	1.06
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	4	1.06
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	4	1.06
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	4	1.06
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	5	1.06
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	5	1.06
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	5	1.06
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	10	1.06
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	10	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	10	1.06
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	10	1.06
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	10	1.06
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	10	1.06
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	10	1.06
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	10	1.06
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	10	1.06
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	1	1.06
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	1	1.06
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	1	1.06
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	14	1.06
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	14	1.06
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	14	1.06
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	11	1.06
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	4	1.06
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	10	1.06
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	8	1.06
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	8	1.06
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	8	1.06
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	5	1.06
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	7	1.06
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	7	1.06
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	7	1.06
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	11	1.06
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	11	1.06
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	11	1.06
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	20	1.06
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	20	1.06
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	20	1.06
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	10	1.06
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	4	1.06
(1,229)	1:82:A:ASN:HB2	1:83:A:TYR:H	20	1.06
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	5	1.06
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	5	1.06
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	5	1.06
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG21	18	1.05
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG22	18	1.05
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG23	18	1.05
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	7	1.05
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	1	1.05
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	1	1.05
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	1	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	5	1.05
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	5	1.05
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	5	1.05
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	13	1.05
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	13	1.05
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	13	1.05
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	19	1.05
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	19	1.05
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	19	1.05
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	8	1.05
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	8	1.05
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	8	1.05
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	10	1.05
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	10	1.05
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	10	1.05
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	17	1.05
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	17	1.05
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	17	1.05
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	20	1.05
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	20	1.05
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	20	1.05
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	5	1.05
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	5	1.05
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	5	1.05
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	8	1.05
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	8	1.05
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	8	1.05
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	6	1.05
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	6	1.05
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	6	1.05
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	16	1.05
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	16	1.05
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	16	1.05
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	18	1.05
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	18	1.05
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	16	1.05
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	16	1.05
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	7	1.05
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	2	1.05
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	9	1.05
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	17	1.05
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	17	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	17	1.05
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	17	1.05
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	17	1.05
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	17	1.05
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	17	1.05
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	17	1.05
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	17	1.05
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	17	1.05
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	10	1.05
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	10	1.05
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	10	1.05
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	2	1.05
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	2	1.05
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	2	1.05
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	2	1.05
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	2	1.05
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	2	1.05
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	10	1.05
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	10	1.05
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	10	1.05
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	9	1.05
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	9	1.05
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	9	1.05
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	18	1.05
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	18	1.05
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	18	1.05
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	8	1.05
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	8	1.05
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	8	1.05
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	15	1.05
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	15	1.05
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	15	1.05
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	15	1.05
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	15	1.05
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	15	1.05
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	15	1.05
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	15	1.05
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	15	1.05
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	5	1.05
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	5	1.05
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	5	1.05
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	5	1.05
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	5	1.05
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	5	1.05
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	5	1.05
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	5	1.05
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	16	1.05
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	16	1.05
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	16	1.05
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	16	1.05
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	16	1.05
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	16	1.05
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	16	1.05
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	16	1.05
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	16	1.05
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	9	1.05
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	9	1.05
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	9	1.05
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	18	1.05
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	18	1.05
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	18	1.05
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	18	1.05
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	18	1.05
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	18	1.05
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	8	1.05
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	8	1.05
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	8	1.05
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	13	1.05
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	13	1.05
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	13	1.05
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	18	1.05
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	18	1.05
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	18	1.05
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	11	1.05
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	11	1.05
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	11	1.05
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	18	1.05
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	18	1.05
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	18	1.05
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	19	1.05
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	19	1.05
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	19	1.05
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	5	1.05
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	5	1.05
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	18	1.05
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	18	1.05
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	18	1.05
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	14	1.05
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	11	1.05
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	7	1.05
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	7	1.05
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	7	1.05
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	7	1.05
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	17	1.05
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	17	1.05
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	17	1.05
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	17	1.05
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	20	1.05
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	20	1.05
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	20	1.05
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	2	1.05
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	4	1.05
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	9	1.05
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	17	1.05
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	19	1.05
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	10	1.05
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	19	1.05
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	19	1.05
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	6	1.05
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	6	1.05
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	6	1.05
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	7	1.05
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	7	1.05
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	16	1.05
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	16	1.05
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	20	1.05
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	20	1.05
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	20	1.05
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	1	1.05
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	1	1.05
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	1	1.05
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	8	1.05
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	8	1.05
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	8	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	16	1.05
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	16	1.05
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	16	1.05
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	20	1.05
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	20	1.05
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	6	1.05
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	12	1.05
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	4	1.04
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	4	1.04
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	4	1.04
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	1	1.04
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	1	1.04
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	1	1.04
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	7	1.04
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	7	1.04
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	7	1.04
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	7	1.04
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	7	1.04
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	7	1.04
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	3	1.04
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	3	1.04
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	3	1.04
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	5	1.04
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	5	1.04
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	5	1.04
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	5	1.04
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	5	1.04
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	8	1.04
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	8	1.04
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	8	1.04
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	11	1.04
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	11	1.04
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	11	1.04
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	2	1.04
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	2	1.04
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	7	1.04
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	17	1.04
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	13	1.04
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	15	1.04
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	15	1.04
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	12	1.04
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	7	1.04
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	2	1.04
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	14	1.04
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	5	1.04
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	17	1.04
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	17	1.04
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	10	1.04
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	10	1.04
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	13	1.04
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	13	1.04
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	3	1.04
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	3	1.04
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	7	1.04
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	7	1.04
(1,875)	1:15:A:ILE:HD11	1:48:A:ASN:HB3	3	1.04
(1,875)	1:15:A:ILE:HD12	1:48:A:ASN:HB3	3	1.04
(1,875)	1:15:A:ILE:HD13	1:48:A:ASN:HB3	3	1.04
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	6	1.04
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	6	1.04
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	6	1.04
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	5	1.04
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	5	1.04
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	5	1.04
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	5	1.04
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	5	1.04
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	5	1.04
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	14	1.04
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	14	1.04
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	14	1.04
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	12	1.04
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	12	1.04
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	12	1.04
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	7	1.04
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	7	1.04
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	7	1.04
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	7	1.04
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	7	1.04
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	7	1.04
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	7	1.04
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	7	1.04
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	7	1.04
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	20	1.04
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	20	1.04
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	20	1.04
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	20	1.04
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	20	1.04
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	20	1.04
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	20	1.04
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	20	1.04
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	18	1.04
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	18	1.04
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	18	1.04
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	18	1.04
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	18	1.04
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	18	1.04
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	3	1.04
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	3	1.04
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	3	1.04
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	3	1.04
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	3	1.04
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	3	1.04
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	3	1.04
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	3	1.04
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	3	1.04
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	1	1.04
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	1	1.04
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	1	1.04
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	1	1.04
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	1	1.04
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	1	1.04
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	4	1.04
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	4	1.04
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	4	1.04
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	12	1.04
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	12	1.04
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	12	1.04
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	17	1.04
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	17	1.04
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	17	1.04
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	3	1.04
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	3	1.04
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	3	1.04
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD11	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD12	2	1.04
(1,632)	1:10:A:LEU:HB3	1:10:A:LEU:HD13	2	1.04
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	17	1.04
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	17	1.04
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	17	1.04
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	20	1.04
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	20	1.04
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	8	1.04
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	8	1.04
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	8	1.04
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	8	1.04
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	2	1.04
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	12	1.04
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	7	1.04
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	8	1.04
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	17	1.04
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	14	1.04
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	14	1.04
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	15	1.04
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	6	1.04
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	19	1.04
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	1	1.04
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	4	1.04
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	19	1.04
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	17	1.04
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	17	1.04
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	4	1.03
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	4	1.03
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	4	1.03
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	15	1.03
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	15	1.03
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	15	1.03
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	15	1.03
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	15	1.03
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	4	1.03
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	4	1.03
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	4	1.03
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	4	1.03
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	4	1.03
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	4	1.03
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	9	1.03
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	18	1.03
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	18	1.03
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	17	1.03
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	12	1.03
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	12	1.03
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	12	1.03
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	15	1.03
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	4	1.03
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	4	1.03
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	14	1.03
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	14	1.03
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	19	1.03
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	19	1.03
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	15	1.03
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	15	1.03
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	10	1.03
(1,1146)	1:3:A:ASP:HA	1:4:A:ASN:H	1	1.03
(1,1146)	1:3:A:ASP:HA	1:4:A:ASN:H	17	1.03
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	5	1.03
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	7	1.03
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	10	1.03
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	16	1.03
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	5	1.03
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	5	1.03
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	5	1.03
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	16	1.03
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	16	1.03
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	16	1.03
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	15	1.03
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	11	1.03
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	2	1.03
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	2	1.03
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	10	1.03
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	10	1.03
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	9	1.03
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	9	1.03
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	9	1.03
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	16	1.03
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	16	1.03
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	16	1.03
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	16	1.03
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	16	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	16	1.03
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	16	1.03
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	16	1.03
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	16	1.03
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	17	1.03
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	17	1.03
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	17	1.03
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB2	13	1.03
(1,817)	1:9:A:ILE:HG21	1:84:A:SER:HB3	13	1.03
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB2	13	1.03
(1,817)	1:9:A:ILE:HG22	1:84:A:SER:HB3	13	1.03
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB2	13	1.03
(1,817)	1:9:A:ILE:HG23	1:84:A:SER:HB3	13	1.03
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	8	1.03
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	8	1.03
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	8	1.03
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	11	1.03
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	11	1.03
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	11	1.03
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	20	1.03
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	20	1.03
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	20	1.03
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	9	1.03
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	9	1.03
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	9	1.03
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	9	1.03
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	9	1.03
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	9	1.03
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	18	1.03
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	18	1.03
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	18	1.03
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	18	1.03
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	18	1.03
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	18	1.03
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	3	1.03
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	3	1.03
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	3	1.03
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	4	1.03
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	4	1.03
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	4	1.03
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	1	1.03
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	1	1.03
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	17	1.03
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	17	1.03
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	17	1.03
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	20	1.03
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	20	1.03
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	20	1.03
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	7	1.03
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	7	1.03
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	7	1.03
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	8	1.03
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	8	1.03
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	8	1.03
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	8	1.03
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	8	1.03
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	8	1.03
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD21	14	1.03
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD22	14	1.03
(1,642)	1:10:A:LEU:HD21	1:66:A:LEU:HD23	14	1.03
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD21	14	1.03
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD22	14	1.03
(1,642)	1:10:A:LEU:HD22	1:66:A:LEU:HD23	14	1.03
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD21	14	1.03
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD22	14	1.03
(1,642)	1:10:A:LEU:HD23	1:66:A:LEU:HD23	14	1.03
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	12	1.03
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	12	1.03
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	12	1.03
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	9	1.03
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	9	1.03
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	9	1.03
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	9	1.03
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	9	1.03
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	9	1.03
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	9	1.03
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	9	1.03
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	9	1.03
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	2	1.03
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	2	1.03
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	2	1.03
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	2	1.03
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	2	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	2	1.03
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	17	1.03
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	17	1.03
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	6	1.03
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	1	1.03
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	13	1.03
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	16	1.03
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	4	1.03
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	4	1.03
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	4	1.03
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	11	1.03
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	14	1.03
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	3	1.03
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	2	1.03
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	7	1.03
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	15	1.03
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	16	1.03
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	5	1.03
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	17	1.03
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	17	1.03
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	12	1.03
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	12	1.03
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	12	1.03
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	13	1.03
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	13	1.03
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	13	1.03
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	13	1.03
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	13	1.03
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	5	1.03
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	7	1.03
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	7	1.03
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	7	1.03
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	7	1.03
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	20	1.03
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	20	1.03
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	5	1.03
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	5	1.03
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	18	1.03
(1,23)	1:11:A:PHE:HB2	1:84:A:SER:HB2	20	1.03
(1,23)	1:11:A:PHE:HB2	1:84:A:SER:HB3	20	1.03
(1,23)	1:11:A:PHE:HB3	1:84:A:SER:HB2	20	1.03
(1,23)	1:11:A:PHE:HB3	1:84:A:SER:HB3	20	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	11	1.03
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	11	1.03
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	4	1.02
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	4	1.02
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	4	1.02
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	7	1.02
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	7	1.02
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	5	1.02
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	5	1.02
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	5	1.02
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	5	1.02
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	5	1.02
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	14	1.02
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	14	1.02
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	14	1.02
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	13	1.02
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	13	1.02
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	13	1.02
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	8	1.02
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	8	1.02
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	2	1.02
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	11	1.02
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	8	1.02
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	8	1.02
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	14	1.02
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	11	1.02
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	6	1.02
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	8	1.02
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	13	1.02
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	18	1.02
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	16	1.02
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	16	1.02
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	16	1.02
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	4	1.02
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	19	1.02
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	19	1.02
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	17	1.02
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	17	1.02
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	14	1.02
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	14	1.02
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	14	1.02
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	14	1.02
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	14	1.02
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	20	1.02
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	20	1.02
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	20	1.02
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	20	1.02
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	20	1.02
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	20	1.02
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	20	1.02
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	20	1.02
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	20	1.02
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	7	1.02
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	7	1.02
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	7	1.02
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	20	1.02
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	20	1.02
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	20	1.02
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	5	1.02
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	5	1.02
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	5	1.02
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	8	1.02
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	8	1.02
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	8	1.02
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	8	1.02
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	8	1.02
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	8	1.02
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	13	1.02
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	13	1.02
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	13	1.02
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	13	1.02
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	13	1.02
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	13	1.02
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	14	1.02
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	14	1.02
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	14	1.02
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	17	1.02
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	17	1.02
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	17	1.02
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	15	1.02
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	15	1.02
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	15	1.02
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	7	1.02
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	7	1.02
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	7	1.02
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	7	1.02
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	7	1.02
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	7	1.02
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	7	1.02
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	7	1.02
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	10	1.02
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	10	1.02
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	10	1.02
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	1	1.02
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	1	1.02
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	1	1.02
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	1	1.02
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	1	1.02
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	1	1.02
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	17	1.02
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	17	1.02
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	17	1.02
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	17	1.02
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	17	1.02
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	17	1.02
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	17	1.02
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	17	1.02
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	17	1.02
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	17	1.02
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	17	1.02
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	17	1.02
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	10	1.02
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	10	1.02
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	10	1.02
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	20	1.02
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	20	1.02
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	20	1.02
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	10	1.02
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	10	1.02
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	10	1.02
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	15	1.02
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	15	1.02
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	15	1.02
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	14	1.02
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	14	1.02
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	15	1.02
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	15	1.02
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	15	1.02
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	8	1.02
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	8	1.02
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	8	1.02
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	20	1.02
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	20	1.02
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	20	1.02
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	14	1.02
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	14	1.02
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	14	1.02
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	12	1.02
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	12	1.02
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	12	1.02
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	4	1.02
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	4	1.02
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	4	1.02
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	6	1.02
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	3	1.02
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	6	1.02
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	5	1.02
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	15	1.02
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	19	1.02
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	16	1.02
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	19	1.02
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	12	1.02
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	12	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	2	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	2	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	2	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	4	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	4	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	4	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	14	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	14	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	14	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	17	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	17	1.02
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	17	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	20	1.02
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	19	1.02
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	19	1.02
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	19	1.02
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	19	1.02
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	1	1.02
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	15	1.02
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	19	1.02
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	17	1.02
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	19	1.02
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	19	1.02
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	1	1.02
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	1	1.02
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	1	1.02
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	1	1.02
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	1	1.02
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	1	1.02
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	10	1.02
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	10	1.02
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	10	1.02
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	15	1.02
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	15	1.02
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	9	1.01
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	9	1.01
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	9	1.01
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	11	1.01
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	11	1.01
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	11	1.01
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	12	1.01
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	12	1.01
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	12	1.01
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	1	1.01
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	1	1.01
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	1	1.01
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	3	1.01
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	3	1.01
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	3	1.01
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	12	1.01
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	12	1.01
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	12	1.01
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	15	1.01
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	15	1.01
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	3	1.01
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	3	1.01
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	12	1.01
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	12	1.01
(1,1146)	1:3:A:ASP:HA	1:4:A:ASN:H	3	1.01
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	1	1.01
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	5	1.01
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	18	1.01
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	11	1.01
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	1	1.01
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	2	1.01
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	7	1.01
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	19	1.01
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	16	1.01
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	16	1.01
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	18	1.01
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	18	1.01
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	7	1.01
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	7	1.01
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	9	1.01
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	9	1.01
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	9	1.01
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	9	1.01
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	9	1.01
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	9	1.01
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	9	1.01
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	9	1.01
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	9	1.01
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	12	1.01
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	12	1.01
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	12	1.01
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	12	1.01
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	12	1.01
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	12	1.01
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	12	1.01
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	12	1.01
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	12	1.01
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	9	1.01
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	9	1.01
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	9	1.01
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	9	1.01
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	9	1.01
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	15	1.01
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	15	1.01
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	15	1.01
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	16	1.01
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	16	1.01
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	16	1.01
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	16	1.01
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	16	1.01
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	16	1.01
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	16	1.01
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	16	1.01
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	16	1.01
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	13	1.01
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	13	1.01
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	13	1.01
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	13	1.01
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	13	1.01
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	13	1.01
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	13	1.01
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	13	1.01
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	13	1.01
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	6	1.01
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	6	1.01
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	6	1.01
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	6	1.01
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	6	1.01
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	6	1.01
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	7	1.01
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	7	1.01
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	7	1.01
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	7	1.01
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	7	1.01
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	7	1.01
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	10	1.01
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	10	1.01
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	10	1.01
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	10	1.01
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	10	1.01
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	10	1.01
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	6	1.01
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	6	1.01
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	16	1.01
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	16	1.01
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	16	1.01
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	3	1.01
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	3	1.01
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	3	1.01
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	6	1.01
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	6	1.01
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	6	1.01
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	6	1.01
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	6	1.01
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	6	1.01
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	3	1.01
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	3	1.01
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	3	1.01
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	5	1.01
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	5	1.01
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	5	1.01
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	5	1.01
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	5	1.01
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	5	1.01
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	6	1.01
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	6	1.01
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	6	1.01
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	6	1.01
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	6	1.01
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	6	1.01
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	7	1.01
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	7	1.01
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	7	1.01
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	8	1.01
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	9	1.01
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	10	1.01
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	12	1.01
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	18	1.01
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	20	1.01
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	20	1.01
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	20	1.01
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	20	1.01
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	18	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	9	1.01
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	10	1.01
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	2	1.01
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	9	1.01
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	18	1.01
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	18	1.01
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	18	1.01
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	19	1.01
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	19	1.01
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	19	1.01
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	4	1.01
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	8	1.01
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	5	1.01
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	18	1.01
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	18	1.01
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	5	1.01
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	16	1.0
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	14	1.0
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	14	1.0
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	14	1.0
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	12	1.0
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	12	1.0
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	10	1.0
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	10	1.0
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	10	1.0
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	9	1.0
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	9	1.0
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	18	1.0
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	18	1.0
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	14	1.0
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	20	1.0
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	18	1.0
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	13	1.0
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	1	1.0
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	1	1.0
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	1	1.0
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	1	1.0
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	1	1.0
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	1	1.0
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD11	8	1.0
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD12	8	1.0
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD13	8	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	14	1.0
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	14	1.0
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	14	1.0
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	2	1.0
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	2	1.0
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	2	1.0
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	12	1.0
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	12	1.0
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	12	1.0
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	4	1.0
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	4	1.0
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	4	1.0
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	4	1.0
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	4	1.0
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	4	1.0
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	17	1.0
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	17	1.0
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	17	1.0
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	19	1.0
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	19	1.0
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	19	1.0
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	15	1.0
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	15	1.0
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	15	1.0
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	19	1.0
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	19	1.0
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	19	1.0
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	19	1.0
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	19	1.0
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	19	1.0
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	1	1.0
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	1	1.0
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	1	1.0
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	1	1.0
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	1	1.0
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	1	1.0
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	14	1.0
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	14	1.0
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	14	1.0
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	9	1.0
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	9	1.0
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	11	1.0
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	11	1.0
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	11	1.0
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	18	1.0
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	18	1.0
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	18	1.0
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	10	1.0
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	10	1.0
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	10	1.0
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	17	1.0
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	13	1.0
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	8	1.0
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	17	1.0
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	17	1.0
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	17	1.0
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	7	1.0
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	18	1.0
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	13	1.0
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	20	1.0
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	5	1.0
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	5	1.0
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	5	1.0
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	1	1.0
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	8	1.0
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	12	1.0
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	14	1.0
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	9	1.0
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	9	1.0
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	9	1.0
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	13	1.0
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	13	1.0
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	2	1.0
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	2	1.0
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	2	1.0
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	11	1.0
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	11	1.0
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	8	1.0
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	8	1.0
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	18	0.99
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	18	0.99
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	18	0.99
(1,1533)	1:13:A:GLY:H	1:80:A:HIS:HB3	3	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	5	0.99
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	5	0.99
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	5	0.99
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	19	0.99
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	19	0.99
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	11	0.99
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	11	0.99
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	16	0.99
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	16	0.99
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG12	19	0.99
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG13	19	0.99
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	13	0.99
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	11	0.99
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	11	0.99
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	12	0.99
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	12	0.99
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	12	0.99
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	12	0.99
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	10	0.99
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	10	0.99
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	12	0.99
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	12	0.99
(1,1146)	1:3:A:ASP:HA	1:4:A:ASN:H	16	0.99
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	1	0.99
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	16	0.99
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	7	0.99
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	7	0.99
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	7	0.99
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	13	0.99
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	13	0.99
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	13	0.99
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	17	0.99
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	17	0.99
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	17	0.99
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	6	0.99
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	6	0.99
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	6	0.99
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	6	0.99
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	6	0.99
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	6	0.99
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	1	0.99
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	1	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	1	0.99
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	1	0.99
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	1	0.99
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	1	0.99
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	1	0.99
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	1	0.99
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	1	0.99
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	2	0.99
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	2	0.99
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	2	0.99
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	15	0.99
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	15	0.99
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	15	0.99
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	12	0.99
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	12	0.99
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	12	0.99
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	10	0.99
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	10	0.99
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	10	0.99
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	19	0.99
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	19	0.99
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	19	0.99
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	16	0.99
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	16	0.99
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	16	0.99
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	16	0.99
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	16	0.99
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	16	0.99
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	11	0.99
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	11	0.99
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	11	0.99
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	12	0.99
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	12	0.99
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	12	0.99
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	19	0.99
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	19	0.99
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	19	0.99
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	14	0.99
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	14	0.99
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	14	0.99
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	9	0.99
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	9	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	9	0.99
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	9	0.99
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	9	0.99
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	9	0.99
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	15	0.99
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	15	0.99
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	15	0.99
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	15	0.99
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	15	0.99
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	15	0.99
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	3	0.99
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	3	0.99
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	3	0.99
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	16	0.99
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	16	0.99
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	16	0.99
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	15	0.99
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	15	0.99
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	15	0.99
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	7	0.99
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	7	0.99
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	7	0.99
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	12	0.99
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	12	0.99
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	20	0.99
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	20	0.99
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	3	0.99
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	3	0.99
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	3	0.99
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	10	0.99
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	10	0.99
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	10	0.99
(1,517)	1:37:A:ILE:HG12	1:54:A:VAL:HA	3	0.99
(1,517)	1:37:A:ILE:HG13	1:54:A:VAL:HA	3	0.99
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	12	0.99
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	12	0.99
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	5	0.99
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	1	0.99
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	15	0.99
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	3	0.99
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	3	0.99
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	3	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	3	0.99
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	6	0.99
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	10	0.99
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	3	0.99
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	15	0.99
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	15	0.99
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	13	0.99
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	13	0.99
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	2	0.99
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	2	0.99
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	16	0.99
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	16	0.99
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	2	0.98
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	2	0.98
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	2	0.98
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	3	0.98
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	3	0.98
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	3	0.98
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	8	0.98
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	8	0.98
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	8	0.98
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	11	0.98
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	11	0.98
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	11	0.98
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	11	0.98
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	12	0.98
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	12	0.98
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	12	0.98
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD21	6	0.98
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD22	6	0.98
(1,1418)	1:10:A:LEU:HA	1:10:A:LEU:HD23	6	0.98
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	8	0.98
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	8	0.98
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	20	0.98
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	20	0.98
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	3	0.98
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	10	0.98
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	16	0.98
(1,1146)	1:3:A:ASP:HA	1:4:A:ASN:H	7	0.98
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	8	0.98
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	9	0.98
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	5	0.98
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	5	0.98
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	5	0.98
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	6	0.98
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	17	0.98
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	15	0.98
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	15	0.98
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	15	0.98
(1,888)	1:34:A:ILE:HD11	1:35:A:ARG:H	2	0.98
(1,888)	1:34:A:ILE:HD12	1:35:A:ARG:H	2	0.98
(1,888)	1:34:A:ILE:HD13	1:35:A:ARG:H	2	0.98
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	6	0.98
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	6	0.98
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	6	0.98
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	13	0.98
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	13	0.98
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	13	0.98
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	12	0.98
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	12	0.98
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	12	0.98
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	1	0.98
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	1	0.98
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	1	0.98
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	1	0.98
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	1	0.98
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	1	0.98
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	5	0.98
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	5	0.98
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	5	0.98
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	15	0.98
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	15	0.98
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	15	0.98
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	11	0.98
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	11	0.98
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	11	0.98
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	3	0.98
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	3	0.98
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	3	0.98
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	7	0.98
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	7	0.98
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	7	0.98
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	7	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	7	0.98
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	7	0.98
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	11	0.98
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	11	0.98
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	11	0.98
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	5	0.98
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	5	0.98
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	5	0.98
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	13	0.98
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	13	0.98
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	13	0.98
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	6	0.98
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	6	0.98
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	6	0.98
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	6	0.98
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	6	0.98
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	6	0.98
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	6	0.98
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	6	0.98
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	6	0.98
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	18	0.98
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	18	0.98
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	18	0.98
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	13	0.98
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	13	0.98
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	13	0.98
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	16	0.98
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	16	0.98
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	12	0.98
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	12	0.98
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	12	0.98
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	8	0.98
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	8	0.98
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	8	0.98
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	2	0.98
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	3	0.98
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	10	0.98
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	18	0.98
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	20	0.98
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	14	0.98
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	11	0.98
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	14	0.98
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	6	0.98
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	9	0.98
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	12	0.97
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	9	0.97
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	9	0.97
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	9	0.97
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	2	0.97
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	2	0.97
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	2	0.97
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	15	0.97
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	15	0.97
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	15	0.97
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	1	0.97
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	1	0.97
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	1	0.97
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	7	0.97
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	7	0.97
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	7	0.97
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	2	0.97
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	2	0.97
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	18	0.97
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	18	0.97
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	18	0.97
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	14	0.97
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	4	0.97
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	4	0.97
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	4	0.97
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	5	0.97
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	10	0.97
(1,1146)	1:3:A:ASP:HA	1:4:A:ASN:H	8	0.97
(1,1146)	1:3:A:ASP:HA	1:4:A:ASN:H	13	0.97
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	15	0.97
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	3	0.97
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	11	0.97
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	4	0.97
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	18	0.97
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	4	0.97
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	4	0.97
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	5	0.97
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	5	0.97
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	3	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	3	0.97
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	13	0.97
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	13	0.97
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	13	0.97
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	1	0.97
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	1	0.97
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	1	0.97
(1,721)	1:39:A:VAL:HG11	1:40:A:PRO:HD2	15	0.97
(1,721)	1:39:A:VAL:HG12	1:40:A:PRO:HD2	15	0.97
(1,721)	1:39:A:VAL:HG13	1:40:A:PRO:HD2	15	0.97
(1,721)	1:39:A:VAL:HG21	1:40:A:PRO:HD2	15	0.97
(1,721)	1:39:A:VAL:HG22	1:40:A:PRO:HD2	15	0.97
(1,721)	1:39:A:VAL:HG23	1:40:A:PRO:HD2	15	0.97
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	4	0.97
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	4	0.97
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	4	0.97
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	15	0.97
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	15	0.97
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	15	0.97
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	16	0.97
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	16	0.97
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	16	0.97
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	19	0.97
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	19	0.97
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	19	0.97
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	17	0.97
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	17	0.97
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	17	0.97
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	18	0.97
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	18	0.97
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	18	0.97
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	10	0.97
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	10	0.97
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	10	0.97
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	1	0.97
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	1	0.97
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	1	0.97
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	6	0.97
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	6	0.97
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	6	0.97
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	13	0.97
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	13	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	13	0.97
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	10	0.97
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	10	0.97
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	10	0.97
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	7	0.97
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	7	0.97
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	8	0.97
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	8	0.97
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	10	0.97
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	9	0.97
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	3	0.97
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	16	0.97
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	3	0.97
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	3	0.97
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	3	0.97
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	20	0.97
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	20	0.97
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	11	0.97
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	14	0.97
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	11	0.97
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	9	0.97
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	4	0.97
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	17	0.97
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	18	0.97
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	18	0.97
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	18	0.97
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	18	0.97
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	7	0.97
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	6	0.97
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	6	0.97
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	18	0.97
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	1	0.97
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	1	0.97
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	3	0.97
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	3	0.97
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	4	0.97
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	4	0.97
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	13	0.97
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	13	0.97
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	14	0.97
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	14	0.97
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	18	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	18	0.97
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	7	0.96
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	7	0.96
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	7	0.96
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	9	0.96
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	9	0.96
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	9	0.96
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	10	0.96
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	10	0.96
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	10	0.96
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	16	0.96
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	16	0.96
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	16	0.96
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	12	0.96
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	12	0.96
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	12	0.96
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	5	0.96
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	5	0.96
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	5	0.96
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	5	0.96
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	5	0.96
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	5	0.96
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	3	0.96
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	3	0.96
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	15	0.96
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	15	0.96
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	9	0.96
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	9	0.96
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	9	0.96
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	19	0.96
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	19	0.96
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	19	0.96
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	15	0.96
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	15	0.96
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	10	0.96
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	20	0.96
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	20	0.96
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	20	0.96
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	4	0.96
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	18	0.96
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	8	0.96
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	8	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	14	0.96
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	14	0.96
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	14	0.96
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	13	0.96
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	13	0.96
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	5	0.96
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	5	0.96
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	5	0.96
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	10	0.96
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	7	0.96
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	7	0.96
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	19	0.96
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	19	0.96
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	5	0.96
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	5	0.96
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	9	0.96
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	9	0.96
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	19	0.96
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	19	0.96
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	19	0.96
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD11	4	0.96
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD12	4	0.96
(1,866)	1:78:A:ARG:HA	1:79:A:ILE:HD13	4	0.96
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	1	0.96
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	1	0.96
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	1	0.96
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	16	0.96
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	16	0.96
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	16	0.96
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	18	0.96
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	18	0.96
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	18	0.96
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	11	0.96
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	11	0.96
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	11	0.96
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	19	0.96
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	19	0.96
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	19	0.96
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	16	0.96
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	16	0.96
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	16	0.96
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	11	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	11	0.96
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	11	0.96
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	12	0.96
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	12	0.96
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	12	0.96
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	5	0.96
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	5	0.96
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	5	0.96
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	8	0.96
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	8	0.96
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	8	0.96
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	12	0.96
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	12	0.96
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	12	0.96
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	1	0.96
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	1	0.96
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	1	0.96
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	13	0.96
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	13	0.96
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	13	0.96
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	12	0.96
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	12	0.96
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	12	0.96
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	12	0.96
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	12	0.96
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	12	0.96
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	12	0.96
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	12	0.96
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	12	0.96
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	12	0.96
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	12	0.96
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	12	0.96
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	12	0.96
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	12	0.96
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	12	0.96
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	12	0.96
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	12	0.96
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	12	0.96
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	11	0.96
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	11	0.96
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	11	0.96
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	11	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	11	0.96
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	11	0.96
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	17	0.96
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	17	0.96
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	17	0.96
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	1	0.96
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	1	0.96
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	1	0.96
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	10	0.96
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	10	0.96
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	10	0.96
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	6	0.96
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	6	0.96
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	6	0.96
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	14	0.96
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	14	0.96
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	14	0.96
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	14	0.96
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	14	0.96
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	14	0.96
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	8	0.96
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	8	0.96
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	8	0.96
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	13	0.96
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	13	0.96
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	13	0.96
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	18	0.96
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	18	0.96
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	18	0.96
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	4	0.96
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	4	0.96
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	4	0.96
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	20	0.96
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	20	0.96
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	20	0.96
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	14	0.96
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	14	0.96
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	14	0.96
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	14	0.96
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	14	0.96
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	14	0.96
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	10	0.96
(1,643)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	10	0.96
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	20	0.96
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	20	0.96
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	20	0.96
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	9	0.96
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	9	0.96
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	9	0.96
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	19	0.96
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	19	0.96
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	19	0.96
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	5	0.96
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	5	0.96
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	5	0.96
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	12	0.96
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	12	0.96
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	4	0.96
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	20	0.96
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	18	0.96
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	2	0.96
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	7	0.96
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	9	0.96
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	13	0.96
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	20	0.96
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	7	0.96
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	7	0.96
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	10	0.96
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	10	0.96
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	17	0.96
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	17	0.96
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	15	0.95
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	15	0.95
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	15	0.95
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	15	0.95
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	15	0.95
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	15	0.95
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	2	0.95
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	2	0.95
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	2	0.95
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	9	0.95
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	9	0.95
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	10	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	10	0.95
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	5	0.95
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	5	0.95
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	5	0.95
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	19	0.95
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	19	0.95
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	9	0.95
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	20	0.95
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	20	0.95
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	15	0.95
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	20	0.95
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	3	0.95
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	3	0.95
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	3	0.95
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	8	0.95
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	1	0.95
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	2	0.95
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	15	0.95
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	15	0.95
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	1	0.95
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	1	0.95
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	1	0.95
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	1	0.95
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	1	0.95
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	1	0.95
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	1	0.95
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	1	0.95
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	1	0.95
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	19	0.95
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	19	0.95
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	19	0.95
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	19	0.95
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	19	0.95
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	19	0.95
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	4	0.95
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	4	0.95
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	4	0.95
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	10	0.95
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	10	0.95
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	10	0.95
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	14	0.95
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	14	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	14	0.95
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	17	0.95
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	17	0.95
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	17	0.95
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	19	0.95
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	19	0.95
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	19	0.95
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	4	0.95
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	4	0.95
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	4	0.95
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	7	0.95
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	7	0.95
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	7	0.95
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	5	0.95
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	5	0.95
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	5	0.95
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	12	0.95
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	12	0.95
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	12	0.95
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	12	0.95
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	12	0.95
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	12	0.95
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	7	0.95
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	7	0.95
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	7	0.95
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	7	0.95
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	7	0.95
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	7	0.95
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	7	0.95
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	7	0.95
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	7	0.95
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	12	0.95
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	12	0.95
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	12	0.95
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	2	0.95
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	2	0.95
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	2	0.95
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	16	0.95
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	16	0.95
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	16	0.95
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	9	0.95
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	9	0.95
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	5	0.95
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	4	0.95
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	10	0.95
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	13	0.95
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	15	0.95
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	9	0.95
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	1	0.95
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	6	0.95
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	13	0.95
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	15	0.95
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	15	0.95
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	15	0.95
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	15	0.95
(1,235)	1:4:A:ASN:HD21	1:82:A:ASN:HB3	19	0.95
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	5	0.95
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	17	0.95
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	15	0.95
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	15	0.95
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	19	0.95
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	19	0.95
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	17	0.94
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	17	0.94
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	17	0.94
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG21	5	0.94
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG22	5	0.94
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG23	5	0.94
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	6	0.94
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	6	0.94
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	6	0.94
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	1	0.94
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	1	0.94
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	18	0.94
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	18	0.94
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	18	0.94
(1,1400)	1:1:A:MET:HA	1:1:A:MET:HG2	13	0.94
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	12	0.94
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	12	0.94
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	12	0.94
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG12	15	0.94
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG13	15	0.94
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	11	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	1	0.94
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	1	0.94
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	3	0.94
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	3	0.94
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	14	0.94
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	14	0.94
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	11	0.94
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	11	0.94
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	11	0.94
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	3	0.94
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	11	0.94
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	17	0.94
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	6	0.94
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	6	0.94
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	19	0.94
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	19	0.94
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	19	0.94
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	14	0.94
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	14	0.94
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	3	0.94
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	3	0.94
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	3	0.94
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	19	0.94
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD1	18	0.94
(1,923)	1:53:A:PHE:H	1:53:A:PHE:HD2	18	0.94
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	17	0.94
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	17	0.94
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	10	0.94
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	10	0.94
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	10	0.94
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	6	0.94
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	6	0.94
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	6	0.94
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	3	0.94
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	3	0.94
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	3	0.94
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	4	0.94
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	4	0.94
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	4	0.94
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	11	0.94
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	11	0.94
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	11	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	8	0.94
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	8	0.94
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	8	0.94
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	8	0.94
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	8	0.94
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	8	0.94
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	8	0.94
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	8	0.94
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	8	0.94
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	9	0.94
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	9	0.94
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	9	0.94
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	15	0.94
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	15	0.94
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	15	0.94
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	15	0.94
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	15	0.94
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	15	0.94
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	15	0.94
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	15	0.94
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	15	0.94
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	15	0.94
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	15	0.94
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	15	0.94
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	18	0.94
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	18	0.94
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	18	0.94
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	17	0.94
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	17	0.94
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	17	0.94
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	16	0.94
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	16	0.94
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	16	0.94
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	17	0.94
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	17	0.94
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	17	0.94
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	8	0.94
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	8	0.94
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	8	0.94
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	7	0.94
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	7	0.94
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	7	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	7	0.94
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	7	0.94
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	7	0.94
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	4	0.94
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	4	0.94
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	4	0.94
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	7	0.94
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	7	0.94
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	7	0.94
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	7	0.94
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	7	0.94
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	7	0.94
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	7	0.94
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	7	0.94
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	7	0.94
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	8	0.94
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	8	0.94
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	8	0.94
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	18	0.94
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	18	0.94
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	18	0.94
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	11	0.94
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	11	0.94
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	11	0.94
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	5	0.94
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	5	0.94
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	5	0.94
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	14	0.94
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	14	0.94
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	14	0.94
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	4	0.94
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	19	0.94
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	20	0.94
(1,339)	1:83:A:TYR:H	1:83:A:TYR:HB3	18	0.94
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	2	0.94
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	11	0.94
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	11	0.94
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB2	6	0.94
(1,289)	1:11:A:PHE:H	1:11:A:PHE:HB3	6	0.94
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	2	0.94
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	2	0.94
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	2	0.94
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	2	0.94
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	2	0.94
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	17	0.94
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	7	0.94
(1,92)	1:22:A:LYS:HA	1:25:A:TYR:HB3	11	0.94
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	5	0.94
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	5	0.94
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	6	0.94
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	6	0.94
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	1	0.94
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	1	0.94
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	1	0.94
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	15	0.93
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	15	0.93
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	15	0.93
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	17	0.93
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	17	0.93
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	17	0.93
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	17	0.93
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	17	0.93
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	17	0.93
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	13	0.93
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	13	0.93
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	13	0.93
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	1	0.93
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	1	0.93
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	8	0.93
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	15	0.93
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	1	0.93
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	1	0.93
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	3	0.93
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	3	0.93
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	8	0.93
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	8	0.93
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	8	0.93
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	16	0.93
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	16	0.93
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	18	0.93
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	18	0.93
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	2	0.93
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	2	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	11	0.93
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	10	0.93
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	16	0.93
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	16	0.93
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	3	0.93
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	11	0.93
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	20	0.93
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	7	0.93
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	7	0.93
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	7	0.93
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	7	0.93
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	7	0.93
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	7	0.93
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	7	0.93
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	7	0.93
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	7	0.93
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	5	0.93
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	5	0.93
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	5	0.93
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	7	0.93
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	7	0.93
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	7	0.93
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	7	0.93
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	7	0.93
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	7	0.93
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	7	0.93
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	7	0.93
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	7	0.93
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	13	0.93
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	13	0.93
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	13	0.93
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	13	0.93
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	13	0.93
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	13	0.93
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	2	0.93
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	2	0.93
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	2	0.93
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	16	0.93
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	16	0.93
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	16	0.93
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	11	0.93
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	11	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	11	0.93
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	1	0.93
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	1	0.93
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	1	0.93
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	7	0.93
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	7	0.93
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	7	0.93
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	18	0.93
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	18	0.93
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	18	0.93
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	20	0.93
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	20	0.93
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	20	0.93
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	15	0.93
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	15	0.93
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	15	0.93
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	15	0.93
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	15	0.93
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	15	0.93
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	2	0.93
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	2	0.93
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	2	0.93
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	9	0.93
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	9	0.93
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	9	0.93
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	14	0.93
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	14	0.93
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	14	0.93
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	17	0.93
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	17	0.93
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	17	0.93
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	19	0.93
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	19	0.93
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	19	0.93
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	19	0.93
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	19	0.93
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	19	0.93
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	19	0.93
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	19	0.93
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	19	0.93
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	3	0.93
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	11	0.93
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	11	0.93
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	11	0.93
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	14	0.93
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	6	0.93
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	6	0.93
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	6	0.93
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	7	0.93
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	8	0.93
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	5	0.93
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	14	0.93
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	8	0.93
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	8	0.93
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	8	0.93
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	2	0.93
(1,232)	1:20:A:ASP:HB3	1:21:A:GLU:H	7	0.93
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	6	0.93
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	8	0.93
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	15	0.93
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	12	0.93
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	12	0.93
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	20	0.93
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	20	0.93
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	9	0.93
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	9	0.93
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	9	0.93
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	7	0.92
(1,1506)	1:62:A:ALA:HB1	1:63:A:LYS:HA	18	0.92
(1,1506)	1:62:A:ALA:HB2	1:63:A:LYS:HA	18	0.92
(1,1506)	1:62:A:ALA:HB3	1:63:A:LYS:HA	18	0.92
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	14	0.92
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	14	0.92
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	12	0.92
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	12	0.92
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	12	0.92
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	9	0.92
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	2	0.92
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	16	0.92
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	8	0.92
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	3	0.92
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	3	0.92
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	3	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	10	0.92
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	10	0.92
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	10	0.92
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	6	0.92
(1,1154)	1:56:A:TYR:HB3	1:58:A:GLU:H	6	0.92
(1,1019)	1:80:A:HIS:HB2	1:81:A:VAL:H	11	0.92
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	14	0.92
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	4	0.92
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	4	0.92
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	10	0.92
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	10	0.92
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	10	0.92
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	9	0.92
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	15	0.92
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	1	0.92
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	1	0.92
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	14	0.92
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	14	0.92
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	3	0.92
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	3	0.92
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	3	0.92
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	15	0.92
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	15	0.92
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	15	0.92
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG11	18	0.92
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG12	18	0.92
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG13	18	0.92
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG11	18	0.92
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG12	18	0.92
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG13	18	0.92
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG11	18	0.92
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG12	18	0.92
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG13	18	0.92
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	19	0.92
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	19	0.92
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	19	0.92
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	5	0.92
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	5	0.92
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	5	0.92
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	9	0.92
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	9	0.92
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	9	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	11	0.92
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	11	0.92
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	11	0.92
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	16	0.92
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	16	0.92
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	16	0.92
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	19	0.92
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	19	0.92
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	19	0.92
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	10	0.92
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	10	0.92
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	10	0.92
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	2	0.92
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	2	0.92
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	2	0.92
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	2	0.92
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	2	0.92
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	2	0.92
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	19	0.92
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	19	0.92
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	19	0.92
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	19	0.92
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	19	0.92
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	19	0.92
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	1	0.92
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	1	0.92
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	1	0.92
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	5	0.92
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	5	0.92
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	5	0.92
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	3	0.92
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	3	0.92
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	3	0.92
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	20	0.92
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	20	0.92
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	20	0.92
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	12	0.92
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	12	0.92
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	12	0.92
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	12	0.92
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	12	0.92
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	12	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	16	0.92
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	16	0.92
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	16	0.92
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	16	0.92
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	16	0.92
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	16	0.92
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	13	0.92
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	13	0.92
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	13	0.92
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	13	0.92
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	13	0.92
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	13	0.92
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	13	0.92
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	13	0.92
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	13	0.92
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	7	0.92
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	7	0.92
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	7	0.92
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	18	0.92
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	18	0.92
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	18	0.92
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	18	0.92
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	18	0.92
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	18	0.92
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	18	0.92
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	18	0.92
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	18	0.92
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	19	0.92
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	19	0.92
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	12	0.92
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	13	0.92
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	16	0.92
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD11	16	0.92
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD12	16	0.92
(1,307)	1:9:A:ILE:HB	1:9:A:ILE:HD13	16	0.92
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	5	0.92
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	20	0.92
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	9	0.92
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	9	0.92
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	8	0.92
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	8	0.92
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG12	9	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:27:A:ILE:HA	1:27:A:ILE:HG13	9	0.92
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	13	0.91
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	13	0.91
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	13	0.91
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	18	0.91
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	18	0.91
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	18	0.91
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	18	0.91
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	7	0.91
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	7	0.91
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	7	0.91
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	11	0.91
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	11	0.91
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	11	0.91
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	18	0.91
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	18	0.91
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	18	0.91
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	18	0.91
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	18	0.91
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	18	0.91
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	8	0.91
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	8	0.91
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	19	0.91
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	19	0.91
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	19	0.91
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD1	13	0.91
(1,1378)	1:56:A:TYR:HA	1:56:A:TYR:HD2	13	0.91
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	5	0.91
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	5	0.91
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	5	0.91
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	12	0.91
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	20	0.91
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	14	0.91
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	5	0.91
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	8	0.91
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	8	0.91
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	18	0.91
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	18	0.91
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	18	0.91
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	19	0.91
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	19	0.91
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	19	0.91
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	19	0.91
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	19	0.91
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	19	0.91
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	19	0.91
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	19	0.91
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	10	0.91
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	10	0.91
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	10	0.91
(1,875)	1:15:A:ILE:HD11	1:48:A:ASN:HB3	6	0.91
(1,875)	1:15:A:ILE:HD12	1:48:A:ASN:HB3	6	0.91
(1,875)	1:15:A:ILE:HD13	1:48:A:ASN:HB3	6	0.91
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG21	8	0.91
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG22	8	0.91
(1,845)	1:27:A:ILE:HA	1:27:A:ILE:HG23	8	0.91
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	8	0.91
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	8	0.91
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	8	0.91
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	8	0.91
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	8	0.91
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	8	0.91
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	4	0.91
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	4	0.91
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	4	0.91
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	10	0.91
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	10	0.91
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	10	0.91
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	10	0.91
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	10	0.91
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	10	0.91
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	10	0.91
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	10	0.91
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	10	0.91
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	17	0.91
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	17	0.91
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	17	0.91
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	13	0.91
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	13	0.91
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	13	0.91
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	9	0.91
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	9	0.91
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	9	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	9	0.91
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	9	0.91
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	9	0.91
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	18	0.91
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	18	0.91
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	18	0.91
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	7	0.91
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	7	0.91
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	7	0.91
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	18	0.91
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	18	0.91
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	18	0.91
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	2	0.91
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	2	0.91
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	2	0.91
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	11	0.91
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	11	0.91
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	11	0.91
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	15	0.91
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	15	0.91
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	15	0.91
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	2	0.91
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	2	0.91
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	2	0.91
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	5	0.91
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	5	0.91
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	5	0.91
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	3	0.91
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	20	0.91
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	7	0.91
(1,441)	1:43:A:MET:HA	1:43:A:MET:HG2	18	0.91
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	19	0.91
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	8	0.91
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	5	0.91
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	20	0.91
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	20	0.91
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	3	0.91
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	18	0.91
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	15	0.91
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	11	0.91
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	4	0.91
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	7	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	19	0.91
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	19	0.91
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	19	0.91
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	13	0.91
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	13	0.91
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	10	0.9
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	5	0.9
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	5	0.9
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	5	0.9
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	3	0.9
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	3	0.9
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	3	0.9
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	20	0.9
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	20	0.9
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	20	0.9
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	2	0.9
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	2	0.9
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	6	0.9
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	6	0.9
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	7	0.9
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	9	0.9
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	16	0.9
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	17	0.9
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	16	0.9
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	14	0.9
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	14	0.9
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	14	0.9
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	13	0.9
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	13	0.9
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	13	0.9
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	13	0.9
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	13	0.9
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	13	0.9
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	9	0.9
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	9	0.9
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	9	0.9
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	14	0.9
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	14	0.9
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	14	0.9
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	10	0.9
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	10	0.9
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	19	0.9
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	19	0.9
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	19	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	8	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	8	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	8	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	9	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	9	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	9	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	16	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	16	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	16	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	18	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	18	0.9
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	18	0.9
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	19	0.9
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	19	0.9
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	19	0.9
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	1	0.9
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	1	0.9
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	1	0.9
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	1	0.9
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	1	0.9
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	1	0.9
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	3	0.9
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	3	0.9
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	3	0.9
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	3	0.9
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	3	0.9
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	3	0.9
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	3	0.9
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	3	0.9
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	3	0.9
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	3	0.9
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	3	0.9
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	3	0.9
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	3	0.9
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	3	0.9
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	3	0.9
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	3	0.9
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	3	0.9
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	3	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	5	0.9
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	5	0.9
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	5	0.9
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	10	0.9
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	10	0.9
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	10	0.9
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	17	0.9
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	17	0.9
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	17	0.9
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	1	0.9
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	1	0.9
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	1	0.9
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	4	0.9
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	4	0.9
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	4	0.9
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	12	0.9
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	12	0.9
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	12	0.9
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	20	0.9
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	20	0.9
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	20	0.9
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	8	0.9
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	8	0.9
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	8	0.9
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	18	0.9
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	18	0.9
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	18	0.9
(1,517)	1:37:A:ILE:HG12	1:54:A:VAL:HA	10	0.9
(1,517)	1:37:A:ILE:HG13	1:54:A:VAL:HA	10	0.9
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	16	0.9
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	17	0.9
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	20	0.9
(1,472)	1:80:A:HIS:H	1:80:A:HIS:HB3	15	0.9
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	19	0.9
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	20	0.9
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	1	0.9
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	6	0.9
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	15	0.9
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	17	0.9
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	1	0.9
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	17	0.9
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	16	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	2	0.9
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	14	0.9
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	14	0.9
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	14	0.9
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	12	0.9
(1,178)	1:6:A:ALA:HA	1:83:A:TYR:HB2	16	0.9
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	4	0.9
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	20	0.9
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	4	0.9
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	4	0.9
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	7	0.9
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	7	0.9
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	7	0.9
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	9	0.89
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	5	0.89
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	5	0.89
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	5	0.89
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	20	0.89
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	13	0.89
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	13	0.89
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	15	0.89
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	15	0.89
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	15	0.89
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	3	0.89
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	12	0.89
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	13	0.89
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	19	0.89
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	19	0.89
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	8	0.89
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	8	0.89
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	1	0.89
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	1	0.89
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	1	0.89
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	2	0.89
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	2	0.89
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	9	0.89
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	13	0.89
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	10	0.89
(1,913)	1:83:A:TYR:H	1:83:A:TYR:HD1	13	0.89
(1,913)	1:83:A:TYR:H	1:83:A:TYR:HD2	13	0.89
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	9	0.89
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	9	0.89
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	9	0.89
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	9	0.89
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	9	0.89
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	9	0.89
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	9	0.89
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	9	0.89
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	13	0.89
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	13	0.89
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	13	0.89
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	13	0.89
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	13	0.89
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	13	0.89
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	13	0.89
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	13	0.89
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	13	0.89
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	17	0.89
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	17	0.89
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	17	0.89
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	17	0.89
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	17	0.89
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	17	0.89
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	17	0.89
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	17	0.89
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	17	0.89
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	11	0.89
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	11	0.89
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	11	0.89
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	11	0.89
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	11	0.89
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	11	0.89
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	11	0.89
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	11	0.89
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	11	0.89
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	6	0.89
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	6	0.89
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	6	0.89
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	7	0.89
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	7	0.89
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	7	0.89
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	17	0.89
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	17	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	17	0.89
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	18	0.89
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	18	0.89
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	18	0.89
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	10	0.89
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	10	0.89
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	10	0.89
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	2	0.89
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	2	0.89
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	2	0.89
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	6	0.89
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	6	0.89
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	6	0.89
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	2	0.89
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	2	0.89
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	2	0.89
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	9	0.89
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	9	0.89
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	9	0.89
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	13	0.89
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	13	0.89
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	13	0.89
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	20	0.89
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	20	0.89
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	20	0.89
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	8	0.89
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	8	0.89
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	8	0.89
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	8	0.89
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	8	0.89
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	8	0.89
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	8	0.89
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	8	0.89
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	8	0.89
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	18	0.89
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	18	0.89
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	18	0.89
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	10	0.89
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	10	0.89
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	10	0.89
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	10	0.89
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	10	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	10	0.89
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	10	0.89
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	10	0.89
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	10	0.89
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	7	0.89
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	7	0.89
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	7	0.89
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	15	0.89
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	15	0.89
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	15	0.89
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	9	0.89
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	9	0.89
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	9	0.89
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	11	0.89
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	11	0.89
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	11	0.89
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	11	0.89
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	11	0.89
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	11	0.89
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	11	0.89
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	11	0.89
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	11	0.89
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	11	0.89
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	11	0.89
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	11	0.89
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	11	0.89
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	11	0.89
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	11	0.89
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	11	0.89
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	11	0.89
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	11	0.89
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	6	0.89
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	6	0.89
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	6	0.89
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	6	0.89
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	6	0.89
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	6	0.89
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	1	0.89
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	1	0.89
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	1	0.89
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	1	0.89
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	1	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	1	0.89
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	19	0.89
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	19	0.89
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	19	0.89
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	10	0.89
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	10	0.89
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	10	0.89
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	18	0.89
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	18	0.89
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	18	0.89
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	19	0.89
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	19	0.89
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	19	0.89
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	13	0.89
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	13	0.89
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	13	0.89
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	16	0.89
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	16	0.89
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	16	0.89
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	19	0.89
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	19	0.89
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	19	0.89
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	15	0.89
(1,472)	1:80:A:HIS:H	1:80:A:HIS:HB3	5	0.89
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	8	0.89
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	8	0.89
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	5	0.89
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	15	0.89
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	15	0.89
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	18	0.89
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	9	0.89
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	12	0.89
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	18	0.89
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	2	0.89
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	2	0.89
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	2	0.89
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	14	0.89
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	14	0.89
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	14	0.89
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	18	0.89
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	18	0.89
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	20	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	20	0.88
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	20	0.88
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	16	0.88
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	16	0.88
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	16	0.88
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	12	0.88
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	12	0.88
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	17	0.88
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	17	0.88
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	3	0.88
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	6	0.88
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	6	0.88
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	6	0.88
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG12	10	0.88
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG13	10	0.88
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	9	0.88
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	5	0.88
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	11	0.88
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	11	0.88
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	18	0.88
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	18	0.88
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	18	0.88
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	3	0.88
(1,1114)	1:26:A:ASP:H	1:26:A:ASP:HB2	19	0.88
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	1	0.88
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	10	0.88
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	10	0.88
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	10	0.88
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	4	0.88
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	1	0.88
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	1	0.88
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	8	0.88
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	8	0.88
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	3	0.88
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	3	0.88
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	3	0.88
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	3	0.88
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	3	0.88
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	3	0.88
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	3	0.88
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	3	0.88
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	14	0.88
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	14	0.88
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	14	0.88
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	14	0.88
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	14	0.88
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	14	0.88
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	14	0.88
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	14	0.88
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	14	0.88
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	5	0.88
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	5	0.88
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	5	0.88
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	5	0.88
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	5	0.88
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	5	0.88
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	18	0.88
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	18	0.88
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	18	0.88
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	18	0.88
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	18	0.88
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	18	0.88
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	1	0.88
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	1	0.88
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	1	0.88
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	2	0.88
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	2	0.88
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	2	0.88
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	13	0.88
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	13	0.88
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	13	0.88
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	18	0.88
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	18	0.88
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	18	0.88
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	5	0.88
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	5	0.88
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	5	0.88
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	20	0.88
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	20	0.88
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	20	0.88
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	20	0.88
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	20	0.88
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	20	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	5	0.88
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	5	0.88
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	5	0.88
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	10	0.88
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	10	0.88
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	10	0.88
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	2	0.88
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	2	0.88
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	2	0.88
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG21	13	0.88
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG22	13	0.88
(1,816)	1:9:A:ILE:HA	1:9:A:ILE:HG23	13	0.88
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	18	0.88
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	18	0.88
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	18	0.88
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	16	0.88
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	16	0.88
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	16	0.88
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	8	0.88
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	8	0.88
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	8	0.88
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	10	0.88
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	10	0.88
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	10	0.88
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	4	0.88
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	4	0.88
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	4	0.88
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	4	0.88
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	4	0.88
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	4	0.88
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	15	0.88
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	15	0.88
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	15	0.88
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	15	0.88
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	15	0.88
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	15	0.88
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	1	0.88
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	1	0.88
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	1	0.88
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	13	0.88
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	13	0.88
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	13	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	17	0.88
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	17	0.88
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	17	0.88
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	16	0.88
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	16	0.88
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	16	0.88
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	2	0.88
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	2	0.88
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	2	0.88
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	15	0.88
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	15	0.88
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	20	0.88
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	17	0.88
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	4	0.88
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	4	0.88
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	14	0.88
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	14	0.88
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	7	0.88
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	7	0.88
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	7	0.88
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG21	19	0.88
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG22	19	0.88
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG23	19	0.88
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG21	19	0.88
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG22	19	0.88
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG23	19	0.88
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	10	0.88
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	2	0.88
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	5	0.88
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	15	0.88
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	7	0.88
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	7	0.88
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	5	0.87
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	5	0.87
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	5	0.87
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	17	0.87
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	17	0.87
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	17	0.87
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	8	0.87
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	8	0.87
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	8	0.87
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	17	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	17	0.87
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	6	0.87
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	6	0.87
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	7	0.87
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	7	0.87
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	1	0.87
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	11	0.87
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	18	0.87
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	20	0.87
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	16	0.87
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	2	0.87
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	2	0.87
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	12	0.87
(1,967)	1:55:A:GLU:HG2	1:56:A:TYR:H	1	0.87
(1,940)	1:63:A:LYS:HB2	1:64:A:HIS:HD2	1	0.87
(1,940)	1:63:A:LYS:HB3	1:64:A:HIS:HD2	1	0.87
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	11	0.87
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	11	0.87
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	11	0.87
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	11	0.87
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	11	0.87
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	11	0.87
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	11	0.87
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	11	0.87
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	11	0.87
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	11	0.87
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	11	0.87
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	11	0.87
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	11	0.87
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	11	0.87
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	11	0.87
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	7	0.87
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	7	0.87
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	7	0.87
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	7	0.87
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	7	0.87
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	7	0.87
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	7	0.87
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	7	0.87
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	7	0.87
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	16	0.87
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	16	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	16	0.87
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	20	0.87
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	20	0.87
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	20	0.87
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG11	6	0.87
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG12	6	0.87
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG13	6	0.87
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG11	6	0.87
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG12	6	0.87
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG13	6	0.87
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG11	6	0.87
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG12	6	0.87
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG13	6	0.87
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	9	0.87
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	9	0.87
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	9	0.87
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	7	0.87
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	7	0.87
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	7	0.87
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	9	0.87
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	9	0.87
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	9	0.87
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	19	0.87
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	19	0.87
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	19	0.87
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	13	0.87
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	13	0.87
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	13	0.87
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	20	0.87
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	20	0.87
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	20	0.87
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	7	0.87
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	7	0.87
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	7	0.87
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	18	0.87
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	18	0.87
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	18	0.87
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	18	0.87
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	18	0.87
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	18	0.87
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	18	0.87
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	18	0.87
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	2	0.87
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	2	0.87
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	2	0.87
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	10	0.87
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	10	0.87
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	10	0.87
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	13	0.87
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	13	0.87
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	13	0.87
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	13	0.87
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	13	0.87
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	13	0.87
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	2	0.87
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	2	0.87
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	2	0.87
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	2	0.87
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	2	0.87
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	2	0.87
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	2	0.87
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	2	0.87
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	2	0.87
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	2	0.87
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	2	0.87
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	2	0.87
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	3	0.87
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	3	0.87
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	3	0.87
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	6	0.87
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	6	0.87
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	6	0.87
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	7	0.87
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	7	0.87
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	7	0.87
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	12	0.87
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	12	0.87
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	12	0.87
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	11	0.87
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	11	0.87
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	11	0.87
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	15	0.87
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	15	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	15	0.87
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	5	0.87
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	5	0.87
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	5	0.87
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	16	0.87
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	16	0.87
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	16	0.87
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	16	0.87
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	16	0.87
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	16	0.87
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	6	0.87
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	6	0.87
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	6	0.87
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	14	0.87
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	14	0.87
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	17	0.87
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	17	0.87
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	15	0.87
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	7	0.87
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	9	0.87
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	5	0.87
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	12	0.87
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	14	0.87
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	6	0.87
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	7	0.87
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	7	0.87
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	13	0.87
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	19	0.87
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	16	0.87
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	16	0.87
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	2	0.87
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	2	0.87
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	5	0.87
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	5	0.87
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	5	0.87
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	10	0.87
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	10	0.87
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	10	0.87
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	12	0.87
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	12	0.87
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	12	0.87
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	1	0.86
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	1	0.86
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	14	0.86
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	14	0.86
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	14	0.86
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	18	0.86
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	18	0.86
(1,1391)	1:11:A:PHE:HB2	1:84:A:SER:HA	16	0.86
(1,1391)	1:11:A:PHE:HB3	1:84:A:SER:HA	16	0.86
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	1	0.86
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	1	0.86
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	1	0.86
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	2	0.86
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	2	0.86
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	12	0.86
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	12	0.86
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	2	0.86
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	2	0.86
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	2	0.86
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	14	0.86
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	14	0.86
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	14	0.86
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	20	0.86
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	20	0.86
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	9	0.86
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	9	0.86
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	1	0.86
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	15	0.86
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	15	0.86
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	20	0.86
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	20	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	2	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	2	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	2	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	2	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	2	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	2	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	2	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	2	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	2	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	5	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	5	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	5	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	5	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	5	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	5	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	5	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	5	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	6	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	6	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	6	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	6	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	6	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	6	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	6	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	6	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	6	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	15	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	15	0.86
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	15	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	15	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	15	0.86
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	15	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	15	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	15	0.86
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	15	0.86
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	9	0.86
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	9	0.86
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	9	0.86
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	4	0.86
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	4	0.86
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	4	0.86
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	17	0.86
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	17	0.86
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	17	0.86
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	5	0.86
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	5	0.86
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	5	0.86
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	1	0.86
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	1	0.86
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	1	0.86
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	19	0.86
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	19	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	6	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	6	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	6	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	7	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	7	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	7	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	12	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	12	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	12	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	15	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	15	0.86
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	15	0.86
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	11	0.86
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	11	0.86
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	11	0.86
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	13	0.86
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	13	0.86
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	13	0.86
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	13	0.86
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	13	0.86
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	13	0.86
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	1	0.86
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	1	0.86
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	1	0.86
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	1	0.86
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	1	0.86
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	1	0.86
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	8	0.86
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	8	0.86
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	8	0.86
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	9	0.86
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	9	0.86
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	9	0.86
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	16	0.86
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	16	0.86
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	16	0.86
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD11	20	0.86
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD12	20	0.86
(1,615)	1:66:A:LEU:HA	1:66:A:LEU:HD13	20	0.86
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	15	0.86
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	15	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	15	0.86
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	17	0.86
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	17	0.86
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	17	0.86
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	3	0.86
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	3	0.86
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	3	0.86
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	1	0.86
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	1	0.86
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	1	0.86
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	1	0.86
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	1	0.86
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	1	0.86
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	1	0.86
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	1	0.86
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	1	0.86
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	4	0.86
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	14	0.86
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	14	0.86
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	14	0.86
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	14	0.86
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	14	0.86
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	5	0.86
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	12	0.86
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	4	0.86
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	10	0.86
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	14	0.86
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	16	0.86
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	19	0.86
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	6	0.86
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	2	0.86
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	4	0.86
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	11	0.86
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	10	0.86
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	2	0.86
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	2	0.86
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	2	0.86
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	19	0.85
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	19	0.85
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	19	0.85
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	4	0.85
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	4	0.85
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	18	0.85
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	18	0.85
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	18	0.85
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	1	0.85
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	1	0.85
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	1	0.85
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	2	0.85
(1,1138)	1:36:A:ASN:H	1:57:A:VAL:H	10	0.85
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	10	0.85
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	5	0.85
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	5	0.85
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	8	0.85
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	8	0.85
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	2	0.85
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	2	0.85
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	2	0.85
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	12	0.85
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	12	0.85
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	12	0.85
(1,981)	1:38:A:GLU:HA	1:39:A:VAL:H	6	0.85
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	19	0.85
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	19	0.85
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	19	0.85
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	7	0.85
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	7	0.85
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	5	0.85
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	5	0.85
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	20	0.85
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	20	0.85
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	16	0.85
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	16	0.85
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	16	0.85
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	16	0.85
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	16	0.85
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	16	0.85
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	16	0.85
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	16	0.85
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	16	0.85
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	16	0.85
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	16	0.85
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	20	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	20	0.85
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	20	0.85
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	20	0.85
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	20	0.85
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	20	0.85
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	3	0.85
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	3	0.85
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	3	0.85
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	19	0.85
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	19	0.85
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	19	0.85
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	16	0.85
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	16	0.85
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	16	0.85
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	13	0.85
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	13	0.85
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	13	0.85
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	13	0.85
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	13	0.85
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	13	0.85
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	19	0.85
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	19	0.85
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	19	0.85
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	9	0.85
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	9	0.85
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	9	0.85
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	9	0.85
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	9	0.85
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	9	0.85
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	9	0.85
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	9	0.85
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	9	0.85
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	15	0.85
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	15	0.85
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	15	0.85
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	15	0.85
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	15	0.85
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	15	0.85
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	15	0.85
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	15	0.85
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	15	0.85
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	4	0.85
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	4	0.85
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	10	0.85
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	10	0.85
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	10	0.85
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	10	0.85
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	10	0.85
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	10	0.85
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	10	0.85
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	10	0.85
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	10	0.85
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	10	0.85
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	10	0.85
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	10	0.85
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	10	0.85
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	10	0.85
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	10	0.85
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	10	0.85
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	10	0.85
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	10	0.85
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	15	0.85
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	15	0.85
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	15	0.85
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	15	0.85
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	15	0.85
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	15	0.85
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	11	0.85
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	11	0.85
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	11	0.85
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	20	0.85
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	20	0.85
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	20	0.85
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	15	0.85
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	15	0.85
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	15	0.85
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	14	0.85
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	14	0.85
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	14	0.85
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	9	0.85
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	9	0.85
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	18	0.85
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	18	0.85
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	16	0.85
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	1	0.85
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	17	0.85
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	20	0.85
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	19	0.85
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	20	0.85
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	13	0.85
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	13	0.85
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	13	0.85
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	20	0.85
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	3	0.85
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	11	0.85
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	17	0.85
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	20	0.85
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	20	0.85
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	3	0.85
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	3	0.85
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	3	0.85
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	5	0.85
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	10	0.84
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	10	0.84
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	10	0.84
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	15	0.84
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	15	0.84
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	15	0.84
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	15	0.84
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	15	0.84
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	15	0.84
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	16	0.84
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	16	0.84
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	10	0.84
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	10	0.84
(1,1372)	1:12:A:VAL:HG11	1:81:A:VAL:HA	3	0.84
(1,1372)	1:12:A:VAL:HG12	1:81:A:VAL:HA	3	0.84
(1,1372)	1:12:A:VAL:HG13	1:81:A:VAL:HA	3	0.84
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG21	17	0.84
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG22	17	0.84
(1,1369)	1:15:A:ILE:HA	1:15:A:ILE:HG23	17	0.84
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	12	0.84
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	4	0.84
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	4	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	4	0.84
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	9	0.84
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	9	0.84
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	14	0.84
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	14	0.84
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	14	0.84
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	2	0.84
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	2	0.84
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	2	0.84
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	12	0.84
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	12	0.84
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	9	0.84
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	9	0.84
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	9	0.84
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	20	0.84
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	20	0.84
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	20	0.84
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	20	0.84
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	20	0.84
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	20	0.84
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	20	0.84
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	20	0.84
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	20	0.84
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	4	0.84
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	4	0.84
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	4	0.84
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	4	0.84
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	4	0.84
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	4	0.84
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	12	0.84
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	12	0.84
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	12	0.84
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	12	0.84
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	12	0.84
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	12	0.84
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	11	0.84
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	11	0.84
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	11	0.84
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD11	12	0.84
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD12	12	0.84
(1,880)	1:79:A:ILE:HB	1:79:A:ILE:HD13	12	0.84
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG11	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG12	2	0.84
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG13	2	0.84
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG11	2	0.84
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG12	2	0.84
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG13	2	0.84
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG11	2	0.84
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG12	2	0.84
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG13	2	0.84
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	11	0.84
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	11	0.84
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	11	0.84
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	11	0.84
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	11	0.84
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	11	0.84
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	14	0.84
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	14	0.84
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	14	0.84
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	15	0.84
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	15	0.84
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	15	0.84
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	17	0.84
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	17	0.84
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	17	0.84
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	12	0.84
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	12	0.84
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	12	0.84
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	18	0.84
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	18	0.84
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	18	0.84
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	11	0.84
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	11	0.84
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	11	0.84
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	1	0.84
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	1	0.84
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	1	0.84
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	5	0.84
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	5	0.84
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	5	0.84
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	10	0.84
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	10	0.84
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	10	0.84
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	13	0.84
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	13	0.84
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	6	0.84
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	6	0.84
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	6	0.84
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	6	0.84
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	6	0.84
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	6	0.84
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	6	0.84
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	6	0.84
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	6	0.84
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	12	0.84
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	12	0.84
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	12	0.84
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	17	0.84
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	17	0.84
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	17	0.84
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	17	0.84
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	17	0.84
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	17	0.84
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	2	0.84
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	2	0.84
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	2	0.84
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG11	6	0.84
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG12	6	0.84
(1,657)	1:59:A:VAL:H	1:59:A:VAL:HG13	6	0.84
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	2	0.84
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	2	0.84
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	2	0.84
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	13	0.84
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	13	0.84
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	13	0.84
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	19	0.84
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	19	0.84
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	19	0.84
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	19	0.84
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	19	0.84
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	19	0.84
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	19	0.84
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	19	0.84
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	19	0.84
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	14	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	14	0.84
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	14	0.84
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	15	0.84
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	15	0.84
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	15	0.84
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	15	0.84
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	15	0.84
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	15	0.84
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	18	0.84
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	18	0.84
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	18	0.84
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	13	0.84
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	13	0.84
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	2	0.84
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	6	0.84
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	7	0.84
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	6	0.84
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	3	0.84
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	10	0.84
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	16	0.84
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	3	0.84
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	3	0.84
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	3	0.84
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	3	0.84
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	9	0.84
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	4	0.84
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	2	0.84
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	19	0.84
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	19	0.84
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	19	0.84
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	19	0.84
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	19	0.84
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	7	0.84
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	11	0.84
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	20	0.84
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	11	0.84
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	16	0.84
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	3	0.84
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	11	0.84
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	6	0.84
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	17	0.84
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	1	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	1	0.84
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	8	0.84
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	8	0.84
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	9	0.84
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	9	0.84
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	5	0.84
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	5	0.84
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	5	0.84
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	5	0.84
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	5	0.84
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	5	0.84
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	5	0.83
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	20	0.83
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	20	0.83
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	20	0.83
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	4	0.83
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	4	0.83
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	1	0.83
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	1	0.83
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	12	0.83
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	12	0.83
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	12	0.83
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	17	0.83
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	17	0.83
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	11	0.83
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	1	0.83
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	1	0.83
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	1	0.83
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	6	0.83
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	16	0.83
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	13	0.83
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	12	0.83
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	12	0.83
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	10	0.83
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	10	0.83
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	10	0.83
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	10	0.83
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	10	0.83
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	10	0.83
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	5	0.83
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	5	0.83
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	5	0.83
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	5	0.83
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	5	0.83
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	5	0.83
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	5	0.83
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	5	0.83
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	13	0.83
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	13	0.83
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	13	0.83
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	13	0.83
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	13	0.83
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	13	0.83
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	13	0.83
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	13	0.83
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	13	0.83
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	18	0.83
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	18	0.83
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	18	0.83
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	18	0.83
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	18	0.83
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	18	0.83
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	18	0.83
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	18	0.83
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	18	0.83
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	3	0.83
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	3	0.83
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	3	0.83
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	9	0.83
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	9	0.83
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	9	0.83
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	1	0.83
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	1	0.83
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	1	0.83
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	14	0.83
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	14	0.83
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	14	0.83
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	3	0.83
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	3	0.83
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	3	0.83
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	4	0.83
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	4	0.83
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	4	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	11	0.83
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	11	0.83
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	11	0.83
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	11	0.83
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	11	0.83
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	11	0.83
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	11	0.83
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	11	0.83
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	11	0.83
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	7	0.83
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	7	0.83
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	7	0.83
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	17	0.83
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	17	0.83
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	17	0.83
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	16	0.83
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	16	0.83
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	16	0.83
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	6	0.83
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	6	0.83
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	6	0.83
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	6	0.83
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	6	0.83
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	6	0.83
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	9	0.83
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	9	0.83
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	9	0.83
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	9	0.83
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	9	0.83
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	9	0.83
(1,641)	1:10:A:LEU:HD21	1:66:A:LEU:HB3	9	0.83
(1,641)	1:10:A:LEU:HD22	1:66:A:LEU:HB3	9	0.83
(1,641)	1:10:A:LEU:HD23	1:66:A:LEU:HB3	9	0.83
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	1	0.83
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	1	0.83
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	1	0.83
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	13	0.83
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	13	0.83
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	13	0.83
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	19	0.83
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	19	0.83
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	19	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	7	0.83
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	7	0.83
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	7	0.83
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	3	0.83
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	3	0.83
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	3	0.83
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	3	0.83
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	3	0.83
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	3	0.83
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	3	0.83
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	3	0.83
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	3	0.83
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	19	0.83
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	2	0.83
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	1	0.83
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	15	0.83
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	19	0.83
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	8	0.83
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	15	0.83
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	8	0.83
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	1	0.83
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	1	0.83
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	1	0.83
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	1	0.83
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	12	0.83
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	15	0.83
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	13	0.83
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	9	0.83
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	6	0.83
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	6	0.83
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	6	0.83
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	15	0.82
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	10	0.82
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	10	0.82
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	10	0.82
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	1	0.82
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	1	0.82
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	1	0.82
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	13	0.82
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD1	6	0.82
(1,1428)	1:32:A:GLY:HA3	1:56:A:TYR:HD2	6	0.82
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	3	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	3	0.82
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	3	0.82
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	10	0.82
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	10	0.82
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	20	0.82
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	14	0.82
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	14	0.82
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	3	0.82
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	1	0.82
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	1	0.82
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	1	0.82
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	20	0.82
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	2	0.82
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	2	0.82
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	11	0.82
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	11	0.82
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	14	0.82
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	14	0.82
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	14	0.82
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	13	0.82
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	13	0.82
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	13	0.82
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	18	0.82
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	18	0.82
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	18	0.82
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	15	0.82
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	15	0.82
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	15	0.82
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	15	0.82
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	15	0.82
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	15	0.82
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	15	0.82
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	15	0.82
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	15	0.82
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	16	0.82
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	16	0.82
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	16	0.82
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	16	0.82
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	16	0.82
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	16	0.82
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	1	0.82
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	1	0.82
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	1	0.82
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	1	0.82
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	1	0.82
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	5	0.82
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	5	0.82
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	5	0.82
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	8	0.82
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	8	0.82
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	8	0.82
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	8	0.82
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	8	0.82
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	8	0.82
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	8	0.82
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	8	0.82
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	8	0.82
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	2	0.82
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	2	0.82
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	2	0.82
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	13	0.82
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	13	0.82
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	13	0.82
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	6	0.82
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	6	0.82
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	6	0.82
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	2	0.82
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	2	0.82
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	2	0.82
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD21	14	0.82
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD22	14	0.82
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD23	14	0.82
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD21	14	0.82
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD22	14	0.82
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD23	14	0.82
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD21	14	0.82
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD22	14	0.82
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD23	14	0.82
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	1	0.82
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	1	0.82
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	1	0.82
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	5	0.82
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	5	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	5	0.82
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	5	0.82
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	5	0.82
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	5	0.82
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	5	0.82
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	5	0.82
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	5	0.82
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	18	0.82
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	13	0.82
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	6	0.82
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	14	0.82
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	6	0.82
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	4	0.82
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	13	0.82
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	7	0.82
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	17	0.82
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	17	0.82
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	2	0.82
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	10	0.82
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	10	0.82
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	10	0.82
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	19	0.82
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	17	0.82
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	19	0.82
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	3	0.82
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	3	0.82
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	8	0.82
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	8	0.82
(1,271)	1:72:A:PHE:H	1:72:A:PHE:HB3	8	0.82
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	4	0.82
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	1	0.82
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	1	0.82
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	1	0.82
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	1	0.82
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	13	0.82
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	18	0.82
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	17	0.82
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	17	0.82
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	17	0.82
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	7	0.82
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	7	0.82
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	19	0.82
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	19	0.82
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	15	0.82
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	15	0.82
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	15	0.82
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	13	0.81
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	11	0.81
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	11	0.81
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	11	0.81
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	11	0.81
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	11	0.81
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	11	0.81
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	6	0.81
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	6	0.81
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	6	0.81
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	6	0.81
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	6	0.81
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	6	0.81
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	10	0.81
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	10	0.81
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	10	0.81
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	10	0.81
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	10	0.81
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	10	0.81
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	2	0.81
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	2	0.81
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	5	0.81
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	5	0.81
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	19	0.81
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	19	0.81
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	19	0.81
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	17	0.81
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	17	0.81
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	17	0.81
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	11	0.81
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	11	0.81
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	11	0.81
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	1	0.81
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	18	0.81
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	18	0.81
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	18	0.81
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	18	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	17	0.81
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	17	0.81
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	17	0.81
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	7	0.81
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	7	0.81
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	17	0.81
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	17	0.81
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	5	0.81
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	5	0.81
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	5	0.81
(1,940)	1:63:A:LYS:HB2	1:64:A:HIS:HD2	9	0.81
(1,940)	1:63:A:LYS:HB3	1:64:A:HIS:HD2	9	0.81
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	7	0.81
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	7	0.81
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	7	0.81
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	7	0.81
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	7	0.81
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	7	0.81
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	10	0.81
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	10	0.81
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	10	0.81
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	10	0.81
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	10	0.81
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	10	0.81
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	10	0.81
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	10	0.81
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	10	0.81
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	7	0.81
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	7	0.81
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	7	0.81
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	3	0.81
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	3	0.81
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	3	0.81
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	3	0.81
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	3	0.81
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	3	0.81
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	8	0.81
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	8	0.81
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	8	0.81
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	15	0.81
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	15	0.81
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	15	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	12	0.81
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	12	0.81
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	12	0.81
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	2	0.81
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	2	0.81
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	2	0.81
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	14	0.81
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	14	0.81
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	14	0.81
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	16	0.81
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	16	0.81
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	16	0.81
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	16	0.81
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	16	0.81
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	16	0.81
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	16	0.81
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	16	0.81
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	16	0.81
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	12	0.81
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	12	0.81
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	12	0.81
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	1	0.81
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	1	0.81
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	1	0.81
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	1	0.81
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	1	0.81
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	1	0.81
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	1	0.81
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	1	0.81
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	1	0.81
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	2	0.81
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	2	0.81
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	2	0.81
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	15	0.81
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	15	0.81
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	15	0.81
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	1	0.81
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	1	0.81
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	1	0.81
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	1	0.81
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	1	0.81
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	1	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	19	0.81
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	19	0.81
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	16	0.81
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	17	0.81
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	9	0.81
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	19	0.81
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	4	0.81
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	1	0.81
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	5	0.81
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	18	0.81
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	4	0.81
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	4	0.81
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	4	0.81
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	7	0.81
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	19	0.81
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB2	11	0.81
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB3	11	0.81
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	13	0.81
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	13	0.81
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	13	0.81
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	17	0.8
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	17	0.8
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	17	0.8
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	12	0.8
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	12	0.8
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	12	0.8
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	19	0.8
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	19	0.8
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	19	0.8
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	19	0.8
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	19	0.8
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	19	0.8
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	9	0.8
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	16	0.8
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	16	0.8
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	10	0.8
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	10	0.8
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	5	0.8
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	5	0.8
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	8	0.8
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	8	0.8
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	8	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	16	0.8
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	16	0.8
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	16	0.8
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	7	0.8
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	8	0.8
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	18	0.8
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	18	0.8
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	8	0.8
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	8	0.8
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	8	0.8
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	8	0.8
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	8	0.8
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	8	0.8
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	8	0.8
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	8	0.8
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	8	0.8
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	14	0.8
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	14	0.8
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	14	0.8
(1,852)	1:37:A:ILE:HG21	1:54:A:VAL:HA	19	0.8
(1,852)	1:37:A:ILE:HG22	1:54:A:VAL:HA	19	0.8
(1,852)	1:37:A:ILE:HG23	1:54:A:VAL:HA	19	0.8
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	7	0.8
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	7	0.8
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	7	0.8
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	13	0.8
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	13	0.8
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	13	0.8
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	13	0.8
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	13	0.8
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	13	0.8
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	13	0.8
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	13	0.8
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	13	0.8
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	15	0.8
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	15	0.8
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	15	0.8
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB1	17	0.8
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB2	17	0.8
(1,794)	1:62:A:ALA:H	1:62:A:ALA:HB3	17	0.8
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	2	0.8
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	2	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	2	0.8
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	11	0.8
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	11	0.8
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	11	0.8
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	9	0.8
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	9	0.8
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	9	0.8
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	12	0.8
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	12	0.8
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	12	0.8
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	5	0.8
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	5	0.8
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	5	0.8
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	5	0.8
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	5	0.8
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	5	0.8
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	9	0.8
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	9	0.8
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	9	0.8
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	17	0.8
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	17	0.8
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	17	0.8
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	8	0.8
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	8	0.8
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	8	0.8
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	19	0.8
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	3	0.8
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	7	0.8
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	11	0.8
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	18	0.8
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	20	0.8
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	16	0.8
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	9	0.8
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	6	0.8
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	6	0.8
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	10	0.8
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	13	0.8
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	13	0.8
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	13	0.8
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	13	0.8
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	5	0.8
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	8	0.8
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	16	0.8
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	13	0.8
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	9	0.8
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	9	0.8
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	9	0.8
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	6	0.79
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	6	0.79
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	6	0.79
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	15	0.79
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	13	0.79
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	13	0.79
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	13	0.79
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	19	0.79
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	19	0.79
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	19	0.79
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	15	0.79
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	15	0.79
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	8	0.79
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	8	0.79
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	8	0.79
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	20	0.79
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	20	0.79
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	20	0.79
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	9	0.79
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	13	0.79
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	13	0.79
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	5	0.79
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	16	0.79
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	16	0.79
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	9	0.79
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	9	0.79
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	9	0.79
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	9	0.79
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	9	0.79
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	9	0.79
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	4	0.79
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	4	0.79
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	4	0.79
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	10	0.79
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	10	0.79
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	10	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	10	0.79
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	10	0.79
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	10	0.79
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	6	0.79
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	6	0.79
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	6	0.79
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	19	0.79
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	19	0.79
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	19	0.79
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	18	0.79
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	18	0.79
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	18	0.79
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	12	0.79
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	12	0.79
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	12	0.79
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	17	0.79
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	17	0.79
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	17	0.79
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	8	0.79
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	8	0.79
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	8	0.79
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	8	0.79
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	8	0.79
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	8	0.79
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	11	0.79
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	11	0.79
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	11	0.79
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	1	0.79
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	1	0.79
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	1	0.79
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	6	0.79
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	6	0.79
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	6	0.79
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	6	0.79
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	6	0.79
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	6	0.79
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	3	0.79
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	3	0.79
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	3	0.79
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	20	0.79
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	20	0.79
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	20	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	20	0.79
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	20	0.79
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	20	0.79
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	20	0.79
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	20	0.79
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	20	0.79
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	11	0.79
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	11	0.79
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	11	0.79
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	11	0.79
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	11	0.79
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	11	0.79
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	8	0.79
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	8	0.79
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	8	0.79
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	8	0.79
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	9	0.79
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	16	0.79
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	20	0.79
(1,394)	1:55:A:GLU:H	1:55:A:GLU:HG3	17	0.79
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	1	0.79
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	13	0.79
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	15	0.79
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	3	0.79
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	14	0.79
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	10	0.79
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	15	0.79
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	15	0.79
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	15	0.79
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	17	0.79
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	17	0.79
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	17	0.79
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	8	0.78
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	8	0.78
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	8	0.78
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	8	0.78
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	6	0.78
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	6	0.78
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	6	0.78
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	14	0.78
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	14	0.78
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	4	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	9	0.78
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	16	0.78
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	13	0.78
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	13	0.78
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	13	0.78
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	12	0.78
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	17	0.78
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	20	0.78
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	20	0.78
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	20	0.78
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	10	0.78
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	10	0.78
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	18	0.78
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	18	0.78
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	18	0.78
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	18	0.78
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	18	0.78
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	18	0.78
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	18	0.78
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	18	0.78
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	18	0.78
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	3	0.78
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	3	0.78
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	3	0.78
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	3	0.78
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	3	0.78
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	3	0.78
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	12	0.78
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	12	0.78
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	12	0.78
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	12	0.78
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	12	0.78
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	12	0.78
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	20	0.78
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	20	0.78
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	20	0.78
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	3	0.78
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	3	0.78
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	3	0.78
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	2	0.78
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	2	0.78
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	11	0.78
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	11	0.78
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	11	0.78
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	11	0.78
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	11	0.78
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	11	0.78
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	2	0.78
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	2	0.78
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	2	0.78
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	3	0.78
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	3	0.78
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	3	0.78
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	20	0.78
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	20	0.78
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	20	0.78
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	20	0.78
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	20	0.78
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	20	0.78
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	20	0.78
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	20	0.78
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	20	0.78
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	20	0.78
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	20	0.78
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	20	0.78
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD21	2	0.78
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD22	2	0.78
(1,569)	1:63:A:LYS:HA	1:66:A:LEU:HD23	2	0.78
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	5	0.78
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	6	0.78
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	9	0.78
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	12	0.78
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	20	0.78
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	4	0.78
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	10	0.78
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	7	0.78
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	7	0.78
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	19	0.78
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	12	0.78
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	10	0.78
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	5	0.78
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	5	0.78
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	5	0.78
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	4	0.78
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	4	0.78
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	4	0.78
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	14	0.78
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	1	0.78
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	11	0.78
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	18	0.78
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	18	0.78
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	18	0.78
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	14	0.78
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	14	0.78
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	14	0.78
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	19	0.78
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	19	0.78
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	19	0.78
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	16	0.77
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	14	0.77
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	14	0.77
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	16	0.77
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	16	0.77
(1,1189)	1:47:A:LYS:HA	1:48:A:ASN:H	4	0.77
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	11	0.77
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	11	0.77
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	15	0.77
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	15	0.77
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	1	0.77
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	16	0.77
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	8	0.77
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	8	0.77
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	19	0.77
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	19	0.77
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	12	0.77
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	12	0.77
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	12	0.77
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	12	0.77
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	12	0.77
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	12	0.77
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	12	0.77
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	12	0.77
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	12	0.77
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG11	9	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG12	9	0.77
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG13	9	0.77
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG11	9	0.77
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG12	9	0.77
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG13	9	0.77
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG11	9	0.77
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG12	9	0.77
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG13	9	0.77
(1,836)	1:34:A:ILE:HG21	1:35:A:ARG:HA	3	0.77
(1,836)	1:34:A:ILE:HG22	1:35:A:ARG:HA	3	0.77
(1,836)	1:34:A:ILE:HG23	1:35:A:ARG:HA	3	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	11	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	11	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	11	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	12	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	12	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	12	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	16	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	16	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	16	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	20	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	20	0.77
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	20	0.77
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	1	0.77
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	1	0.77
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	1	0.77
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	1	0.77
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	1	0.77
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	1	0.77
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	20	0.77
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	20	0.77
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	20	0.77
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	15	0.77
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	15	0.77
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	15	0.77
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	5	0.77
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	5	0.77
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	5	0.77
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	5	0.77
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	5	0.77
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	5	0.77
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	5	0.77
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	5	0.77
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	14	0.77
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	14	0.77
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	14	0.77
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG2	20	0.77
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG3	20	0.77
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG2	20	0.77
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG3	20	0.77
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG2	20	0.77
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG3	20	0.77
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	20	0.77
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	20	0.77
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	20	0.77
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	20	0.77
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	20	0.77
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	20	0.77
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	20	0.77
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	20	0.77
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	20	0.77
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	9	0.77
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	9	0.77
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	9	0.77
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	6	0.77
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	6	0.77
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	6	0.77
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	19	0.77
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	19	0.77
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	19	0.77
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	17	0.77
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	17	0.77
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	17	0.77
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	17	0.77
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	17	0.77
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	17	0.77
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	5	0.77
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	5	0.77
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	5	0.77
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	11	0.77
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	11	0.77
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	11	0.77
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	20	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	4	0.77
(1,447)	1:57:A:VAL:H	1:57:A:VAL:HB	2	0.77
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	11	0.77
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	11	0.77
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	11	0.77
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	11	0.77
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	17	0.77
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	15	0.77
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	15	0.77
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	15	0.77
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	7	0.77
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	12	0.77
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	9	0.77
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	9	0.77
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	18	0.77
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	18	0.77
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	9	0.77
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	2	0.77
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	15	0.77
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	16	0.77
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	2	0.77
(1,171)	1:42:A:ASN:HA	1:43:A:MET:H	12	0.77
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	4	0.77
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	4	0.77
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	1	0.77
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	1	0.77
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	1	0.77
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	7	0.76
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	7	0.76
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	7	0.76
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	7	0.76
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	7	0.76
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	7	0.76
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	7	0.76
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	7	0.76
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	7	0.76
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	3	0.76
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	3	0.76
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	3	0.76
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	3	0.76
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	3	0.76
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	16	0.76
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	16	0.76
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	16	0.76
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	8	0.76
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	8	0.76
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	13	0.76
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	13	0.76
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	10	0.76
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	10	0.76
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	9	0.76
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	16	0.76
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	16	0.76
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	6	0.76
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	6	0.76
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	6	0.76
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	8	0.76
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	2	0.76
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	13	0.76
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	13	0.76
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	13	0.76
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	19	0.76
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	19	0.76
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	17	0.76
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	18	0.76
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	18	0.76
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	18	0.76
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	1	0.76
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	1	0.76
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	4	0.76
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	4	0.76
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	4	0.76
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	4	0.76
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	4	0.76
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	4	0.76
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	4	0.76
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	4	0.76
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	4	0.76
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	2	0.76
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	2	0.76
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	2	0.76
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	2	0.76
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	2	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	2	0.76
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	13	0.76
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	13	0.76
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	13	0.76
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	13	0.76
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	13	0.76
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	13	0.76
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	4	0.76
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	4	0.76
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	4	0.76
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	10	0.76
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	10	0.76
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	10	0.76
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	8	0.76
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	8	0.76
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	8	0.76
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	7	0.76
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	7	0.76
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	7	0.76
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	10	0.76
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	10	0.76
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	10	0.76
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	8	0.76
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	8	0.76
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	8	0.76
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	9	0.76
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	9	0.76
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	9	0.76
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	9	0.76
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	9	0.76
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	9	0.76
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	20	0.76
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	20	0.76
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	20	0.76
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	20	0.76
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	20	0.76
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	20	0.76
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	4	0.76
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	4	0.76
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	4	0.76
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	17	0.76
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	17	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	17	0.76
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	17	0.76
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	8	0.76
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	19	0.76
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	1	0.76
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	1	0.76
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	20	0.76
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	8	0.76
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	13	0.76
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	16	0.76
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	9	0.76
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	11	0.76
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	15	0.76
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	9	0.76
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	9	0.76
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	9	0.76
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	16	0.76
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	16	0.76
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	16	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	2	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	2	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	2	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	3	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	3	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	3	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	6	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	6	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	6	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	10	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	10	0.76
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	10	0.76
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	17	0.75
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	17	0.75
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	17	0.75
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	4	0.75
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	4	0.75
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	4	0.75
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	17	0.75
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	17	0.75
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	17	0.75
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	19	0.75
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	19	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	19	0.75
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	20	0.75
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	20	0.75
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	20	0.75
(1,1483)	1:10:A:LEU:HD21	1:62:A:ALA:HA	18	0.75
(1,1483)	1:10:A:LEU:HD22	1:62:A:ALA:HA	18	0.75
(1,1483)	1:10:A:LEU:HD23	1:62:A:ALA:HA	18	0.75
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	10	0.75
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	16	0.75
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	16	0.75
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	16	0.75
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	20	0.75
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	20	0.75
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	20	0.75
(1,1391)	1:11:A:PHE:HB2	1:84:A:SER:HA	8	0.75
(1,1391)	1:11:A:PHE:HB3	1:84:A:SER:HA	8	0.75
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	19	0.75
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	19	0.75
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	13	0.75
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	13	0.75
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	13	0.75
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	19	0.75
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	19	0.75
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	19	0.75
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	14	0.75
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	8	0.75
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	8	0.75
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	8	0.75
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	13	0.75
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	13	0.75
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	19	0.75
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	4	0.75
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD1	9	0.75
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD2	9	0.75
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	20	0.75
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	20	0.75
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	20	0.75
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	20	0.75
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	6	0.75
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	6	0.75
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD11	10	0.75
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD12	10	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:34:A:ILE:HG21	1:34:A:ILE:HD13	10	0.75
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD11	10	0.75
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD12	10	0.75
(1,902)	1:34:A:ILE:HG22	1:34:A:ILE:HD13	10	0.75
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD11	10	0.75
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD12	10	0.75
(1,902)	1:34:A:ILE:HG23	1:34:A:ILE:HD13	10	0.75
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	3	0.75
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	3	0.75
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	3	0.75
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	3	0.75
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	3	0.75
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	3	0.75
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	6	0.75
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	6	0.75
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	6	0.75
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	3	0.75
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	3	0.75
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	3	0.75
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	18	0.75
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	18	0.75
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	18	0.75
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	16	0.75
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	16	0.75
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	16	0.75
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	9	0.75
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	9	0.75
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	9	0.75
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	20	0.75
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	20	0.75
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	20	0.75
(1,706)	1:57:A:VAL:HG11	1:58:A:GLU:HA	2	0.75
(1,706)	1:57:A:VAL:HG12	1:58:A:GLU:HA	2	0.75
(1,706)	1:57:A:VAL:HG13	1:58:A:GLU:HA	2	0.75
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	5	0.75
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	5	0.75
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	5	0.75
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	16	0.75
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	16	0.75
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	16	0.75
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	13	0.75
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,613)	1:66:A:LEU:HD11	1:82:A:ASN:HD22	6	0.75
(1,613)	1:66:A:LEU:HD12	1:82:A:ASN:HD22	6	0.75
(1,613)	1:66:A:LEU:HD13	1:82:A:ASN:HD22	6	0.75
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	5	0.75
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	5	0.75
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	5	0.75
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	17	0.75
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	17	0.75
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	17	0.75
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	12	0.75
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	12	0.75
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	12	0.75
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	12	0.75
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	12	0.75
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	12	0.75
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	12	0.75
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	12	0.75
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	12	0.75
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	12	0.75
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	12	0.75
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	12	0.75
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	16	0.75
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	1	0.75
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	19	0.75
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	9	0.75
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	17	0.75
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	14	0.75
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	11	0.75
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	5	0.75
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	8	0.75
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	8	0.75
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	8	0.75
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	13	0.75
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	13	0.75
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	13	0.75
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	17	0.75
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	17	0.75
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	17	0.75
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	4	0.75
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	4	0.75
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	4	0.75
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	20	0.75
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	20	0.75
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	9	0.74
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	9	0.74
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	9	0.74
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	7	0.74
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	7	0.74
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	19	0.74
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	19	0.74
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	10	0.74
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	10	0.74
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	10	0.74
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	20	0.74
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	20	0.74
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	20	0.74
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	11	0.74
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	3	0.74
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	3	0.74
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	3	0.74
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	12	0.74
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	12	0.74
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	12	0.74
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	4	0.74
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	4	0.74
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	4	0.74
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	9	0.74
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	9	0.74
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	3	0.74
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	3	0.74
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	11	0.74
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	16	0.74
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	16	0.74
(1,1089)	1:85:A:LYS:HB3	1:86:A:THR:H	5	0.74
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	13	0.74
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	6	0.74
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	6	0.74
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	6	0.74
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	2	0.74
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	15	0.74
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	15	0.74
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	7	0.74
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	7	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	7	0.74
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	16	0.74
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	16	0.74
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	16	0.74
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	5	0.74
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	5	0.74
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	5	0.74
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	9	0.74
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	9	0.74
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	9	0.74
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	7	0.74
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	7	0.74
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	7	0.74
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	7	0.74
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	7	0.74
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	7	0.74
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	7	0.74
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	7	0.74
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	7	0.74
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	9	0.74
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	9	0.74
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	9	0.74
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	5	0.74
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	5	0.74
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	5	0.74
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	8	0.74
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	8	0.74
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	8	0.74
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	8	0.74
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	8	0.74
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	8	0.74
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	14	0.74
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	14	0.74
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	14	0.74
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	1	0.74
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	1	0.74
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	1	0.74
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	1	0.74
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	4	0.74
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	4	0.74
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	4	0.74
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	4	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	15	0.74
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	19	0.74
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	3	0.74
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	9	0.74
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	9	0.74
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	20	0.74
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	19	0.74
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	19	0.74
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	19	0.74
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	18	0.74
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	15	0.74
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	20	0.74
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	1	0.74
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	1	0.74
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	12	0.74
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	12	0.74
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	7	0.74
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	7	0.74
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	7	0.74
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	10	0.74
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	10	0.74
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	10	0.74
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	20	0.74
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	20	0.74
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	20	0.74
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	8	0.74
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	8	0.74
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	8	0.74
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	16	0.74
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	16	0.74
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	16	0.74
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	12	0.73
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	12	0.73
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	12	0.73
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	16	0.73
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	16	0.73
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	16	0.73
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	16	0.73
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	16	0.73
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	16	0.73
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	16	0.73
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	16	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	16	0.73
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	3	0.73
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	3	0.73
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	3	0.73
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	1	0.73
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	14	0.73
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	14	0.73
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	2	0.73
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	2	0.73
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	2	0.73
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	14	0.73
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	14	0.73
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	14	0.73
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	19	0.73
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	19	0.73
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	10	0.73
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	13	0.73
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	13	0.73
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	13	0.73
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	13	0.73
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	4	0.73
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	4	0.73
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	14	0.73
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	14	0.73
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	12	0.73
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	4	0.73
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	3	0.73
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	3	0.73
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	8	0.73
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	10	0.73
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	10	0.73
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	10	0.73
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	18	0.73
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	18	0.73
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	10	0.73
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	10	0.73
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	10	0.73
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	10	0.73
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	10	0.73
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	10	0.73
(1,852)	1:37:A:ILE:HG21	1:54:A:VAL:HA	4	0.73
(1,852)	1:37:A:ILE:HG22	1:54:A:VAL:HA	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:37:A:ILE:HG23	1:54:A:VAL:HA	4	0.73
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	8	0.73
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	8	0.73
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	8	0.73
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG21	18	0.73
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG22	18	0.73
(1,831)	1:34:A:ILE:HA	1:34:A:ILE:HG23	18	0.73
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	4	0.73
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	4	0.73
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	4	0.73
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	4	0.73
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	4	0.73
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	4	0.73
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	6	0.73
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	6	0.73
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	6	0.73
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	15	0.73
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	15	0.73
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	15	0.73
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	15	0.73
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	15	0.73
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	15	0.73
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	15	0.73
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	15	0.73
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	15	0.73
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	18	0.73
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	18	0.73
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	18	0.73
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	2	0.73
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	2	0.73
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	2	0.73
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG2	13	0.73
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG3	13	0.73
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG2	13	0.73
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG3	13	0.73
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG2	13	0.73
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG3	13	0.73
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	1	0.73
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	1	0.73
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	1	0.73
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	7	0.73
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	7	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	7	0.73
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	7	0.73
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	7	0.73
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	7	0.73
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	3	0.73
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	3	0.73
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	3	0.73
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	3	0.73
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	3	0.73
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	3	0.73
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	3	0.73
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	3	0.73
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	3	0.73
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	14	0.73
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	14	0.73
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	14	0.73
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	3	0.73
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	3	0.73
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	3	0.73
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	6	0.73
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	6	0.73
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	6	0.73
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	11	0.73
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	11	0.73
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	13	0.73
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	13	0.73
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	13	0.73
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	9	0.73
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	9	0.73
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	9	0.73
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	9	0.73
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	9	0.73
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	9	0.73
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	16	0.73
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	16	0.73
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	16	0.73
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	16	0.73
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	9	0.73
(1,472)	1:80:A:HIS:H	1:80:A:HIS:HB3	7	0.73
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	6	0.73
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	3	0.73
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	9	0.73
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	12	0.73
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	14	0.73
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	5	0.73
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	5	0.73
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	16	0.73
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	16	0.73
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	1	0.73
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	3	0.73
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	3	0.73
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	3	0.73
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	3	0.73
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	5	0.73
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	8	0.73
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	12	0.73
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	1	0.73
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	1	0.73
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	15	0.73
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	15	0.73
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	15	0.73
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	7	0.73
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	7	0.73
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	7	0.73
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	18	0.73
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	18	0.73
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	18	0.73
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	1	0.72
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	20	0.72
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	17	0.72
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	17	0.72
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	4	0.72
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	4	0.72
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	7	0.72
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	8	0.72
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	16	0.72
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	18	0.72
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	19	0.72
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	1	0.72
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	1	0.72
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	19	0.72
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	19	0.72
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	19	0.72
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	8	0.72
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	8	0.72
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	8	0.72
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	17	0.72
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	17	0.72
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	17	0.72
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG21	6	0.72
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG22	6	0.72
(1,777)	1:54:A:VAL:HA	1:54:A:VAL:HG23	6	0.72
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	4	0.72
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	4	0.72
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	4	0.72
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	1	0.72
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	1	0.72
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	1	0.72
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	14	0.72
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	14	0.72
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	14	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	4	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	4	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	4	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	4	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	4	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	4	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	20	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	20	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	20	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	20	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	20	0.72
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	20	0.72
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	4	0.72
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	4	0.72
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	4	0.72
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	4	0.72
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	4	0.72
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	4	0.72
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	4	0.72
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	4	0.72
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	4	0.72
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	5	0.72
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	5	0.72
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	12	0.72
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	12	0.72
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	12	0.72
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	1	0.72
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	1	0.72
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	15	0.72
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	15	0.72
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	15	0.72
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	15	0.72
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	15	0.72
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	15	0.72
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	16	0.72
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	16	0.72
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	15	0.72
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	10	0.72
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	6	0.72
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	1	0.72
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	7	0.72
(1,232)	1:20:A:ASP:HB3	1:21:A:GLU:H	13	0.72
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	9	0.72
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	7	0.72
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	8	0.72
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	18	0.72
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	1	0.72
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	1	0.72
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	1	0.72
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	20	0.72
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	20	0.72
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	20	0.72
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	18	0.71
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	18	0.71
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	18	0.71
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	11	0.71
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	11	0.71
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	1	0.71
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	1	0.71
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	11	0.71
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	11	0.71
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	15	0.71
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	1	0.71
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	5	0.71
(1,1089)	1:85:A:LYS:HB3	1:86:A:THR:H	11	0.71
(1,1063)	1:3:A:ASP:H	1:82:A:ASN:HB2	19	0.71
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	5	0.71
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	12	0.71
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	12	0.71
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	12	0.71
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	20	0.71
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	20	0.71
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	20	0.71
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	10	0.71
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	10	0.71
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	10	0.71
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	8	0.71
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	8	0.71
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	8	0.71
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	4	0.71
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	4	0.71
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	4	0.71
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	12	0.71
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	12	0.71
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	12	0.71
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	12	0.71
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	12	0.71
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	12	0.71
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	12	0.71
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	12	0.71
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	12	0.71
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	20	0.71
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	20	0.71
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	20	0.71
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	14	0.71
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	14	0.71
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	14	0.71
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	17	0.71
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	17	0.71
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	17	0.71
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	2	0.71
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	2	0.71
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	2	0.71
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	14	0.71
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	14	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	14	0.71
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	14	0.71
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	14	0.71
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	14	0.71
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD21	19	0.71
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD22	19	0.71
(1,649)	1:24:A:LEU:HA	1:24:A:LEU:HD23	19	0.71
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	13	0.71
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	13	0.71
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	13	0.71
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	4	0.71
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	4	0.71
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	7	0.71
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	7	0.71
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	7	0.71
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	11	0.71
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	11	0.71
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	11	0.71
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	11	0.71
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	2	0.71
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	5	0.71
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	1	0.71
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	5	0.71
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	16	0.71
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	7	0.71
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	2	0.71
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	10	0.71
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	10	0.71
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	13	0.71
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	13	0.71
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	5	0.71
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	16	0.71
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	16	0.71
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	2	0.71
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	2	0.71
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	2	0.71
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	14	0.71
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	14	0.71
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	14	0.71
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	15	0.71
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	15	0.71
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	3	0.7
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	3	0.7
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	3	0.7
(1,1372)	1:12:A:VAL:HG11	1:81:A:VAL:HA	4	0.7
(1,1372)	1:12:A:VAL:HG12	1:81:A:VAL:HA	4	0.7
(1,1372)	1:12:A:VAL:HG13	1:81:A:VAL:HA	4	0.7
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	4	0.7
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	4	0.7
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	4	0.7
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	15	0.7
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	15	0.7
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	17	0.7
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	17	0.7
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	2	0.7
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	19	0.7
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	19	0.7
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	7	0.7
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	7	0.7
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	7	0.7
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	8	0.7
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	13	0.7
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	2	0.7
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	2	0.7
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	2	0.7
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	2	0.7
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	6	0.7
(1,937)	1:80:A:HIS:HB2	1:80:A:HIS:HD2	4	0.7
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	20	0.7
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	20	0.7
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	20	0.7
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	20	0.7
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	20	0.7
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	20	0.7
(1,822)	1:34:A:ILE:HG21	1:35:A:ARG:H	3	0.7
(1,822)	1:34:A:ILE:HG22	1:35:A:ARG:H	3	0.7
(1,822)	1:34:A:ILE:HG23	1:35:A:ARG:H	3	0.7
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	6	0.7
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	6	0.7
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	6	0.7
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	9	0.7
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	9	0.7
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	4	0.7
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	4	0.7
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	4	0.7
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	4	0.7
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	4	0.7
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	4	0.7
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	7	0.7
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	7	0.7
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	7	0.7
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	8	0.7
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	8	0.7
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	8	0.7
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	10	0.7
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	10	0.7
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	10	0.7
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	8	0.7
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	8	0.7
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	20	0.7
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	20	0.7
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	4	0.7
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	4	0.7
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	4	0.7
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	18	0.7
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	12	0.7
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	18	0.7
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	11	0.7
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	8	0.7
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	2	0.7
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	2	0.7
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	8	0.7
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	8	0.7
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	3	0.7
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	7	0.7
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	7	0.7
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	7	0.7
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	15	0.7
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	14	0.7
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	14	0.7
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD2	11	0.7
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD3	11	0.7
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	3	0.7
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	10	0.7
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	11	0.7
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	11	0.7
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	11	0.7
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG21	12	0.7
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG22	12	0.7
(1,15)	1:57:A:VAL:HA	1:57:A:VAL:HG23	12	0.7
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	10	0.69
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	10	0.69
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	10	0.69
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	6	0.69
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	6	0.69
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	11	0.69
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	11	0.69
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	6	0.69
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	6	0.69
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	2	0.69
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	2	0.69
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	12	0.69
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	12	0.69
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	13	0.69
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	13	0.69
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	17	0.69
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	3	0.69
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	3	0.69
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	16	0.69
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	16	0.69
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	19	0.69
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	19	0.69
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	19	0.69
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	6	0.69
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	1	0.69
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	18	0.69
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	18	0.69
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	18	0.69
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	16	0.69
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	2	0.69
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	2	0.69
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	2	0.69
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	16	0.69
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	16	0.69
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	16	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	16	0.69
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	16	0.69
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	16	0.69
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	15	0.69
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	15	0.69
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	15	0.69
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	4	0.69
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	4	0.69
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	4	0.69
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	5	0.69
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	5	0.69
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	5	0.69
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB1	18	0.69
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB2	18	0.69
(1,790)	1:10:A:LEU:HD21	1:62:A:ALA:HB3	18	0.69
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB1	18	0.69
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB2	18	0.69
(1,790)	1:10:A:LEU:HD22	1:62:A:ALA:HB3	18	0.69
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB1	18	0.69
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB2	18	0.69
(1,790)	1:10:A:LEU:HD23	1:62:A:ALA:HB3	18	0.69
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	1	0.69
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	1	0.69
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	1	0.69
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	1	0.69
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	1	0.69
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	1	0.69
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	17	0.69
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	17	0.69
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	17	0.69
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	6	0.69
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	6	0.69
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	6	0.69
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	19	0.69
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	19	0.69
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	19	0.69
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	11	0.69
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	11	0.69
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	11	0.69
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	17	0.69
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	17	0.69
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	6	0.69
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	6	0.69
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	6	0.69
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	6	0.69
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	12	0.69
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	12	0.69
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	12	0.69
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	12	0.69
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	18	0.69
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	18	0.69
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	18	0.69
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	18	0.69
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	18	0.69
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	2	0.69
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	2	0.69
(1,232)	1:20:A:ASP:HB3	1:21:A:GLU:H	15	0.69
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	10	0.69
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	7	0.69
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	8	0.69
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	19	0.69
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	4	0.69
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	4	0.69
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	5	0.68
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	5	0.68
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	5	0.68
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG21	8	0.68
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG22	8	0.68
(1,1486)	1:34:A:ILE:HA	1:57:A:VAL:HG23	8	0.68
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	3	0.68
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	3	0.68
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	3	0.68
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	1	0.68
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	1	0.68
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	1	0.68
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	18	0.68
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	18	0.68
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	12	0.68
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	12	0.68
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	10	0.68
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	10	0.68
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	5	0.68
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	12	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:77:A:LYS:H	1:77:A:LYS:HB2	19	0.68
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	13	0.68
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	14	0.68
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	17	0.68
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	15	0.68
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	15	0.68
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	15	0.68
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	12	0.68
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	4	0.68
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	4	0.68
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	19	0.68
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	19	0.68
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	14	0.68
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	14	0.68
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	14	0.68
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	14	0.68
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	14	0.68
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	14	0.68
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	16	0.68
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	16	0.68
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	16	0.68
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	20	0.68
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	20	0.68
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	20	0.68
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	3	0.68
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	3	0.68
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	3	0.68
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	8	0.68
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	8	0.68
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	8	0.68
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	8	0.68
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	8	0.68
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	8	0.68
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	8	0.68
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	8	0.68
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	8	0.68
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	15	0.68
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	15	0.68
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	15	0.68
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	14	0.68
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	14	0.68
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	10	0.68
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	10	0.68
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	10	0.68
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	10	0.68
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	10	0.68
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	10	0.68
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	20	0.68
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	20	0.68
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	20	0.68
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	10	0.68
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	10	0.68
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	10	0.68
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	13	0.68
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	12	0.68
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	12	0.68
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	12	0.68
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	12	0.68
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	2	0.68
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	4	0.68
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	1	0.68
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	3	0.68
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	15	0.68
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	17	0.68
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	17	0.68
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	20	0.68
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	20	0.68
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	20	0.68
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	20	0.68
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	9	0.68
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	9	0.68
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	9	0.68
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	4	0.68
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	12	0.68
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	13	0.68
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	19	0.68
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	10	0.68
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG21	4	0.68
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG22	4	0.68
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG23	4	0.68
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	4	0.68
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	16	0.68
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	12	0.68
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	12	0.68
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	2	0.67
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	2	0.67
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	2	0.67
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	19	0.67
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	11	0.67
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	11	0.67
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	11	0.67
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	3	0.67
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	9	0.67
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	19	0.67
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	9	0.67
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	9	0.67
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	9	0.67
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	20	0.67
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	20	0.67
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	18	0.67
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	8	0.67
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	1	0.67
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	1	0.67
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	9	0.67
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	9	0.67
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	20	0.67
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	3	0.67
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	1	0.67
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	1	0.67
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	1	0.67
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	5	0.67
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	5	0.67
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	13	0.67
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	13	0.67
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	3	0.67
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	3	0.67
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	3	0.67
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	8	0.67
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	8	0.67
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	8	0.67
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	8	0.67
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	8	0.67
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	8	0.67
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	13	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	13	0.67
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	13	0.67
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	16	0.67
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	16	0.67
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	16	0.67
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	14	0.67
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	14	0.67
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	14	0.67
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	14	0.67
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	14	0.67
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	14	0.67
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	14	0.67
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	14	0.67
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	14	0.67
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	11	0.67
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	11	0.67
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	11	0.67
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	3	0.67
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	3	0.67
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	3	0.67
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	3	0.67
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	3	0.67
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	3	0.67
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	3	0.67
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	18	0.67
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	19	0.67
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	16	0.67
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	15	0.67
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	13	0.67
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	1	0.67
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	1	0.67
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	5	0.67
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	5	0.67
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	16	0.67
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	17	0.67
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	17	0.67
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	17	0.67
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	17	0.67
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	17	0.67
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	17	0.67
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	7	0.67
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	8	0.67
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	8	0.67
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	9	0.67
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	20	0.67
(1,104)	1:26:A:ASP:HA	1:29:A:SER:H	8	0.67
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	3	0.67
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	3	0.67
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	3	0.67
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG21	13	0.67
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG22	13	0.67
(1,25)	1:86:A:THR:HA	1:86:A:THR:HG23	13	0.67
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	20	0.66
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	9	0.66
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	9	0.66
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	3	0.66
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	3	0.66
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	3	0.66
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	16	0.66
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	16	0.66
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	17	0.66
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	7	0.66
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	7	0.66
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	9	0.66
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	17	0.66
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	16	0.66
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	16	0.66
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	16	0.66
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	1	0.66
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	11	0.66
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	5	0.66
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	14	0.66
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	20	0.66
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	3	0.66
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	20	0.66
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	20	0.66
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	4	0.66
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	15	0.66
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	13	0.66
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	13	0.66
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	13	0.66
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	7	0.66
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD1	16	0.66
(1,920)	1:11:A:PHE:H	1:11:A:PHE:HD2	16	0.66
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	16	0.66
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	16	0.66
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	16	0.66
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	16	0.66
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	16	0.66
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	16	0.66
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	9	0.66
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	9	0.66
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	9	0.66
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	9	0.66
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	9	0.66
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	9	0.66
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	19	0.66
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	19	0.66
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	19	0.66
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	19	0.66
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	19	0.66
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	19	0.66
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	19	0.66
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	19	0.66
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	19	0.66
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	20	0.66
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	20	0.66
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	20	0.66
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	8	0.66
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	8	0.66
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	8	0.66
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	16	0.66
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	16	0.66
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	16	0.66
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG2	11	0.66
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG3	11	0.66
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG2	11	0.66
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG3	11	0.66
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG2	11	0.66
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG3	11	0.66
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	20	0.66
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	20	0.66
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	20	0.66
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	10	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	10	0.66
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	10	0.66
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	18	0.66
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	18	0.66
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	18	0.66
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	18	0.66
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	18	0.66
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	18	0.66
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	18	0.66
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	18	0.66
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	18	0.66
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	1	0.66
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	1	0.66
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	1	0.66
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	6	0.66
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	6	0.66
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	6	0.66
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	15	0.66
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	15	0.66
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	15	0.66
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	8	0.66
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	8	0.66
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	8	0.66
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	8	0.66
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	8	0.66
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	8	0.66
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	8	0.66
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	8	0.66
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	8	0.66
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	5	0.66
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	8	0.66
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	20	0.66
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	14	0.66
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	14	0.66
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	14	0.66
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	14	0.66
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	11	0.66
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	11	0.66
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	11	0.66
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	11	0.66
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	6	0.66
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	19	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	13	0.66
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	19	0.66
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	6	0.66
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	10	0.66
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	18	0.65
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	14	0.65
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	14	0.65
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	9	0.65
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	9	0.65
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	9	0.65
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	3	0.65
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	3	0.65
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	6	0.65
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	6	0.65
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	7	0.65
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	7	0.65
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	20	0.65
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	20	0.65
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	5	0.65
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	14	0.65
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	14	0.65
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	17	0.65
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	1	0.65
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	1	0.65
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	4	0.65
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	4	0.65
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	12	0.65
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	12	0.65
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	10	0.65
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	15	0.65
(1,875)	1:15:A:ILE:HD11	1:48:A:ASN:HB3	14	0.65
(1,875)	1:15:A:ILE:HD12	1:48:A:ASN:HB3	14	0.65
(1,875)	1:15:A:ILE:HD13	1:48:A:ASN:HB3	14	0.65
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	20	0.65
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	20	0.65
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	20	0.65
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	20	0.65
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	20	0.65
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	20	0.65
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	4	0.65
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	4	0.65
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	4	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	9	0.65
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	9	0.65
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	9	0.65
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	17	0.65
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	17	0.65
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	17	0.65
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	17	0.65
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	17	0.65
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	17	0.65
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	17	0.65
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	17	0.65
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	17	0.65
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	17	0.65
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	17	0.65
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	17	0.65
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	9	0.65
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	9	0.65
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	9	0.65
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	15	0.65
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	15	0.65
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	15	0.65
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	8	0.65
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	8	0.65
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	8	0.65
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	20	0.65
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	20	0.65
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	20	0.65
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG11	4	0.65
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG12	4	0.65
(1,625)	1:81:A:VAL:H	1:81:A:VAL:HG13	4	0.65
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	3	0.65
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	3	0.65
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	14	0.65
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	14	0.65
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	11	0.65
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	11	0.65
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	11	0.65
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	11	0.65
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	11	0.65
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	11	0.65
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	11	0.65
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	11	0.65
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD2	5	0.65
(1,516)	1:22:A:LYS:HB2	1:22:A:LYS:HD3	5	0.65
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD2	5	0.65
(1,516)	1:22:A:LYS:HB3	1:22:A:LYS:HD3	5	0.65
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	8	0.65
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	19	0.65
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	7	0.65
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	8	0.65
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	15	0.65
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	18	0.65
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	2	0.65
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	2	0.65
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	19	0.65
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	19	0.65
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	11	0.65
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	11	0.65
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	2	0.65
(1,262)	1:24:A:LEU:H	1:24:A:LEU:HB2	19	0.65
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	7	0.65
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	7	0.65
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	7	0.65
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	19	0.65
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	19	0.65
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	11	0.65
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	11	0.65
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	12	0.65
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	12	0.65
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	8	0.65
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	9	0.65
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	14	0.65
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	18	0.65
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	11	0.65
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	11	0.64
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	11	0.64
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	11	0.64
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	9	0.64
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	10	0.64
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD1	12	0.64
(1,1396)	1:53:A:PHE:HA	1:53:A:PHE:HD2	12	0.64
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	5	0.64
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	8	0.64
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	8	0.64
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	10	0.64
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	10	0.64
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	3	0.64
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	4	0.64
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	15	0.64
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	8	0.64
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	8	0.64
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	8	0.64
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	7	0.64
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	7	0.64
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	7	0.64
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	10	0.64
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	10	0.64
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	18	0.64
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	18	0.64
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	18	0.64
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	14	0.64
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	14	0.64
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	14	0.64
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	14	0.64
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	14	0.64
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	14	0.64
(1,852)	1:37:A:ILE:HG21	1:54:A:VAL:HA	8	0.64
(1,852)	1:37:A:ILE:HG22	1:54:A:VAL:HA	8	0.64
(1,852)	1:37:A:ILE:HG23	1:54:A:VAL:HA	8	0.64
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	7	0.64
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	7	0.64
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	7	0.64
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	15	0.64
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	15	0.64
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	15	0.64
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	16	0.64
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	16	0.64
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	16	0.64
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	20	0.64
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	20	0.64
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	20	0.64
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	20	0.64
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	20	0.64
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	11	0.64
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	11	0.64
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	11	0.64
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	13	0.64
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	13	0.64
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	13	0.64
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	15	0.64
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	15	0.64
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	15	0.64
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	19	0.64
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	19	0.64
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	19	0.64
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	7	0.64
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	7	0.64
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	7	0.64
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	18	0.64
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	18	0.64
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	18	0.64
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	18	0.64
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	18	0.64
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	18	0.64
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	20	0.64
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	20	0.64
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	20	0.64
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	14	0.64
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	14	0.64
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	14	0.64
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	2	0.64
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	11	0.64
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	20	0.64
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	14	0.64
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	4	0.64
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	5	0.64
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	6	0.64
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	20	0.64
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	3	0.64
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	10	0.64
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	10	0.64
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	10	0.64
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	10	0.64
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	19	0.64
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	18	0.64
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	14	0.64
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	2	0.64
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	7	0.64
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	1	0.64
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	1	0.64
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	3	0.63
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	3	0.63
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	3	0.63
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	12	0.63
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	7	0.63
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	7	0.63
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	7	0.63
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	17	0.63
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	17	0.63
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	17	0.63
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	18	0.63
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	12	0.63
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	20	0.63
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	20	0.63
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	4	0.63
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	6	0.63
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	9	0.63
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	9	0.63
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	10	0.63
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	4	0.63
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	4	0.63
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	2	0.63
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	2	0.63
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	2	0.63
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	14	0.63
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	14	0.63
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	14	0.63
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	17	0.63
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	17	0.63
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	17	0.63
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	13	0.63
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	13	0.63
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	13	0.63
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	17	0.63
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	17	0.63
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	17	0.63
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	17	0.63
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	17	0.63
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	17	0.63
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	17	0.63
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	17	0.63
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	10	0.63
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	10	0.63
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	10	0.63
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	11	0.63
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	11	0.63
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	11	0.63
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	13	0.63
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	13	0.63
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	13	0.63
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	17	0.63
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	17	0.63
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	17	0.63
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	16	0.63
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	16	0.63
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	16	0.63
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	3	0.63
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	3	0.63
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	3	0.63
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	8	0.63
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	8	0.63
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	8	0.63
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	4	0.63
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	4	0.63
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	4	0.63
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	13	0.63
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	13	0.63
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	13	0.63
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	7	0.63
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	7	0.63
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	7	0.63
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	9	0.63
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	9	0.63
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	9	0.63
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	17	0.63
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	17	0.63
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	13	0.63
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	17	0.63
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	1	0.63
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	1	0.63
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	16	0.63
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	16	0.63
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	17	0.63
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	7	0.63
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	14	0.63
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	20	0.63
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	20	0.63
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	11	0.63
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	11	0.63
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	14	0.63
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	19	0.62
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	19	0.62
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	12	0.62
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	13	0.62
(1,1319)	1:17:A:GLU:HB2	1:18:A:THR:H	14	0.62
(1,1319)	1:17:A:GLU:HB3	1:18:A:THR:H	14	0.62
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	2	0.62
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	2	0.62
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	2	0.62
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	13	0.62
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	13	0.62
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	1	0.62
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	8	0.62
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	8	0.62
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	18	0.62
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	18	0.62
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	6	0.62
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB1	15	0.62
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB2	15	0.62
(1,886)	1:15:A:ILE:HD11	1:52:A:ALA:HB3	15	0.62
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB1	15	0.62
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB2	15	0.62
(1,886)	1:15:A:ILE:HD12	1:52:A:ALA:HB3	15	0.62
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB1	15	0.62
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB2	15	0.62
(1,886)	1:15:A:ILE:HD13	1:52:A:ALA:HB3	15	0.62
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	18	0.62
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	18	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	18	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	2	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	2	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	2	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	5	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	5	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	5	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	8	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	8	0.62
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	8	0.62
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	19	0.62
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	19	0.62
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	19	0.62
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	20	0.62
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	20	0.62
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	20	0.62
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	7	0.62
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	7	0.62
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	7	0.62
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	3	0.62
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	3	0.62
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	3	0.62
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	11	0.62
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	11	0.62
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	11	0.62
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	11	0.62
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	11	0.62
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	11	0.62
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	19	0.62
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	19	0.62
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	19	0.62
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	16	0.62
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	16	0.62
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	16	0.62
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	10	0.62
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	10	0.62
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG2	15	0.62
(1,604)	1:63:A:LYS:HA	1:63:A:LYS:HG3	15	0.62
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	3	0.62
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	3	0.62
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	3	0.62
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	11	0.62
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	11	0.62
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	14	0.62
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	2	0.62
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	10	0.62
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	9	0.62
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	9	0.62
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	7	0.62
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	18	0.62
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	18	0.62
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	18	0.62
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	1	0.62
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	1	0.62
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	1	0.62
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	1	0.62
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	11	0.62
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	11	0.62
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	11	0.62
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	10	0.62
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	10	0.62
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	10	0.62
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	2	0.62
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	18	0.62
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	2	0.62
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	4	0.62
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	6	0.62
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	9	0.62
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	17	0.62
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	13	0.62
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	13	0.62
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	17	0.62
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	17	0.62
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	17	0.62
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	12	0.62
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	6	0.62
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	6	0.62
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	6	0.62
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	11	0.62
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	11	0.62
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	3	0.61
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	18	0.61
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	18	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	18	0.61
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	18	0.61
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	18	0.61
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	18	0.61
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	18	0.61
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	18	0.61
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	18	0.61
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	15	0.61
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	15	0.61
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	15	0.61
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	18	0.61
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	3	0.61
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	3	0.61
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	16	0.61
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	16	0.61
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	20	0.61
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	20	0.61
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	5	0.61
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	5	0.61
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	5	0.61
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	4	0.61
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	14	0.61
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	5	0.61
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	5	0.61
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	18	0.61
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	10	0.61
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	10	0.61
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	17	0.61
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	17	0.61
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	17	0.61
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	20	0.61
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	16	0.61
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	16	0.61
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	16	0.61
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	16	0.61
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	16	0.61
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	16	0.61
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	1	0.61
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	1	0.61
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	1	0.61
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	3	0.61
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	3	0.61
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	10	0.61
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	10	0.61
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	10	0.61
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	12	0.61
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	12	0.61
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	12	0.61
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	12	0.61
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	12	0.61
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	12	0.61
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	13	0.61
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	13	0.61
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	13	0.61
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	13	0.61
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	13	0.61
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	13	0.61
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	13	0.61
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	13	0.61
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	13	0.61
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	17	0.61
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	17	0.61
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	17	0.61
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	12	0.61
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	12	0.61
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	12	0.61
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	6	0.61
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	3	0.61
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	4	0.61
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	7	0.61
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	7	0.61
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	16	0.61
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	16	0.61
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	13	0.61
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	13	0.61
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	13	0.61
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	10	0.61
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	10	0.61
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	10	0.61
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	13	0.61
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	1	0.61
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	7	0.61
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	2	0.61
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	2	0.61
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	19	0.61
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	19	0.61
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	15	0.61
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	4	0.61
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	4	0.61
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	4	0.61
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	12	0.61
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	12	0.61
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	12	0.61
(1,65)	1:21:A:GLU:HA	1:21:A:GLU:HG3	14	0.61
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	19	0.6
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	19	0.6
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	19	0.6
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	20	0.6
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	20	0.6
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	6	0.6
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	6	0.6
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	4	0.6
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	19	0.6
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	8	0.6
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	8	0.6
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	8	0.6
(1,1142)	1:4:A:ASN:H	1:82:A:ASN:HB2	20	0.6
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	2	0.6
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	2	0.6
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	8	0.6
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	8	0.6
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	11	0.6
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	11	0.6
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	11	0.6
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD1	12	0.6
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD2	12	0.6
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	1	0.6
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	1	0.6
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	1	0.6
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	7	0.6
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	7	0.6
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	7	0.6
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	12	0.6
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	12	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	12	0.6
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	18	0.6
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	18	0.6
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	18	0.6
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	10	0.6
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	10	0.6
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	10	0.6
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	15	0.6
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	15	0.6
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	15	0.6
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	4	0.6
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	4	0.6
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	4	0.6
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	12	0.6
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	12	0.6
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	12	0.6
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	14	0.6
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	14	0.6
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	14	0.6
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	14	0.6
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	14	0.6
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	14	0.6
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	13	0.6
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	13	0.6
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	13	0.6
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	5	0.6
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	5	0.6
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	5	0.6
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	8	0.6
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	8	0.6
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	8	0.6
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	6	0.6
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	6	0.6
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	6	0.6
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	8	0.6
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	8	0.6
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	8	0.6
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	20	0.6
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	20	0.6
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	20	0.6
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	1	0.6
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	1	0.6
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	5	0.6
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	11	0.6
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	19	0.6
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	7	0.6
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	13	0.6
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	13	0.6
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	16	0.6
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	13	0.6
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	13	0.6
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	13	0.6
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	13	0.6
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	17	0.6
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	17	0.6
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	17	0.6
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	17	0.6
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	5	0.6
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	7	0.6
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	19	0.6
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	14	0.6
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	5	0.6
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	5	0.6
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	5	0.6
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	17	0.6
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	17	0.6
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	1	0.6
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	10	0.6
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	4	0.6
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	6	0.6
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	6	0.6
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	10	0.59
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	10	0.59
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	10	0.59
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	10	0.59
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	10	0.59
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	10	0.59
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	1	0.59
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	1	0.59
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	1	0.59
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	9	0.59
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	9	0.59
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	9	0.59
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	9	0.59
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	9	0.59
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	1	0.59
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	1	0.59
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	1	0.59
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	3	0.59
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	12	0.59
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	13	0.59
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	2	0.59
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	2	0.59
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	12	0.59
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	12	0.59
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	12	0.59
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	2	0.59
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	2	0.59
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	2	0.59
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	1	0.59
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	1	0.59
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	1	0.59
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	15	0.59
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	15	0.59
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	15	0.59
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	12	0.59
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	12	0.59
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	12	0.59
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	16	0.59
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	16	0.59
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	16	0.59
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	16	0.59
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	16	0.59
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	16	0.59
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	16	0.59
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	16	0.59
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	16	0.59
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	16	0.59
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	16	0.59
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	16	0.59
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	15	0.59
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	15	0.59
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	15	0.59
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	3	0.59
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	12	0.59
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	7	0.59
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	18	0.59
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	6	0.59
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	6	0.59
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	6	0.59
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	6	0.59
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	1	0.59
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	20	0.59
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	4	0.59
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	4	0.59
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	11	0.59
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	11	0.59
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	6	0.59
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	6	0.59
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	6	0.59
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	12	0.59
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	12	0.59
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	12	0.59
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	12	0.59
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	8	0.59
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	8	0.59
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	8	0.59
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	8	0.59
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	17	0.59
(1,180)	1:6:A:ALA:HA	1:7:A:THR:H	1	0.59
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	4	0.59
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	8	0.59
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	3	0.59
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	3	0.59
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	4	0.59
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	4	0.59
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	6	0.59
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	6	0.59
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	6	0.59
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	6	0.59
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG21	11	0.59
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG22	11	0.59
(1,73)	1:81:A:VAL:HA	1:81:A:VAL:HG23	11	0.59
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	2	0.58
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	19	0.58
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	6	0.58
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	20	0.58
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	20	0.58
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	20	0.58
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	9	0.58
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	9	0.58
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	9	0.58
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	14	0.58
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	14	0.58
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	14	0.58
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	7	0.58
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	7	0.58
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	7	0.58
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	8	0.58
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	8	0.58
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	8	0.58
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	8	0.58
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	8	0.58
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	8	0.58
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	8	0.58
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	8	0.58
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	8	0.58
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	12	0.58
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	12	0.58
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	20	0.58
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	20	0.58
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	2	0.58
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	12	0.58
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	20	0.58
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	20	0.58
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	5	0.58
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	3	0.58
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	5	0.58
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	12	0.58
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	12	0.58
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	20	0.58
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	20	0.58
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	20	0.58
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	12	0.58
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	19	0.58
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	8	0.58
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	15	0.58
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	1	0.58
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	15	0.57
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	15	0.57
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	15	0.57
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	8	0.57
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	8	0.57
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	8	0.57
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	8	0.57
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	8	0.57
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	8	0.57
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	8	0.57
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	8	0.57
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	8	0.57
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	8	0.57
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	8	0.57
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	8	0.57
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	8	0.57
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	8	0.57
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	8	0.57
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	3	0.57
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	3	0.57
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	3	0.57
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	19	0.57
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	19	0.57
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	8	0.57
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	8	0.57
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	8	0.57
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	19	0.57
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	1	0.57
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	1	0.57
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	1	0.57
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	2	0.57
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	8	0.57
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	1	0.57
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	1	0.57
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	16	0.57
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	16	0.57
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	7	0.57
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	8	0.57
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	16	0.57
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	16	0.57
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	18	0.57
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	18	0.57
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	18	0.57
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	18	0.57
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	18	0.57
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	18	0.57
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	18	0.57
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	18	0.57
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	18	0.57
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	16	0.57
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	16	0.57
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	16	0.57
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	9	0.57
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	9	0.57
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	9	0.57
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	9	0.57
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	9	0.57
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	9	0.57
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	10	0.57
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	10	0.57
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	10	0.57
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	10	0.57
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	10	0.57
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	10	0.57
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	16	0.57
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	16	0.57
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	16	0.57
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	16	0.57
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	16	0.57
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	16	0.57
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	16	0.57
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	16	0.57
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	16	0.57
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	7	0.57
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	7	0.57
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	12	0.57
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	12	0.57
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	4	0.57
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	4	0.57
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	1	0.57
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	1	0.57
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	1	0.57
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	3	0.57
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	5	0.57
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	5	0.57
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	5	0.57
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	1	0.57
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	1	0.57
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	1	0.57
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	4	0.57
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	4	0.57
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	4	0.57
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	4	0.57
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	17	0.57
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	17	0.57
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	17	0.57
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	1	0.57
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	9	0.57
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	12	0.57
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	9	0.57
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	9	0.57
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	14	0.57
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	14	0.57
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	15	0.57
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	15	0.57
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	1	0.57
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	1	0.57
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	3	0.57
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	4	0.57
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	7	0.57
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	7	0.57
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	18	0.57
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	18	0.57
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	11	0.56
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	11	0.56
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	11	0.56
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	7	0.56
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	7	0.56
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	7	0.56
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	4	0.56
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1400)	1:1:A:MET:HA	1:1:A:MET:HG2	2	0.56
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	18	0.56
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	18	0.56
(1,1391)	1:11:A:PHE:HB2	1:84:A:SER:HA	14	0.56
(1,1391)	1:11:A:PHE:HB3	1:84:A:SER:HA	14	0.56
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	17	0.56
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	12	0.56
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	12	0.56
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	12	0.56
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	3	0.56
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	7	0.56
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	7	0.56
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	7	0.56
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	19	0.56
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	19	0.56
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	19	0.56
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	9	0.56
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	9	0.56
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	9	0.56
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	18	0.56
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	18	0.56
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	18	0.56
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	17	0.56
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	17	0.56
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	17	0.56
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	2	0.56
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	2	0.56
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	2	0.56
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	18	0.56
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	18	0.56
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	18	0.56
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	14	0.56
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	14	0.56
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	14	0.56
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	18	0.56
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	18	0.56
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	18	0.56
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	18	0.56
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	18	0.56
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	18	0.56
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	18	0.56
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	18	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	18	0.56
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	1	0.56
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	1	0.56
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	1	0.56
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	3	0.56
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	3	0.56
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	3	0.56
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	3	0.56
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	3	0.56
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	3	0.56
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	3	0.56
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	3	0.56
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	3	0.56
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	9	0.56
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	9	0.56
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	4	0.56
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	4	0.56
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	4	0.56
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	10	0.56
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	10	0.56
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	10	0.56
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	10	0.56
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	10	0.56
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	10	0.56
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	10	0.56
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	10	0.56
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	10	0.56
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	6	0.56
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	8	0.56
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	17	0.56
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	12	0.56
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	2	0.56
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	2	0.56
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	2	0.56
(1,376)	1:21:A:GLU:HG3	1:39:A:VAL:H	14	0.56
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	3	0.56
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	4	0.56
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	7	0.56
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	7	0.56
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	1	0.56
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	1	0.56
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	6	0.56
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	6	0.56
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	11	0.56
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	16	0.56
(1,146)	1:51:A:PHE:HA	1:52:A:ALA:H	20	0.56
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	11	0.56
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	11	0.56
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	16	0.56
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	16	0.56
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	3	0.56
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	17	0.56
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	6	0.56
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	1	0.56
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	5	0.56
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	5	0.56
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	18	0.55
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	18	0.55
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	18	0.55
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	20	0.55
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	20	0.55
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	20	0.55
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	20	0.55
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	20	0.55
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	20	0.55
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	6	0.55
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	6	0.55
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	6	0.55
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	15	0.55
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	7	0.55
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	7	0.55
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	18	0.55
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	14	0.55
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	14	0.55
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	7	0.55
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	11	0.55
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	8	0.55
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	18	0.55
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	18	0.55
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	13	0.55
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	13	0.55
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	13	0.55
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	14	0.55
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	14	0.55
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	5	0.55
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	5	0.55
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	5	0.55
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	6	0.55
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	6	0.55
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	6	0.55
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	10	0.55
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	10	0.55
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	10	0.55
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	2	0.55
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	2	0.55
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	2	0.55
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	11	0.55
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	11	0.55
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	11	0.55
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	12	0.55
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	12	0.55
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	12	0.55
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	15	0.55
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	15	0.55
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	5	0.55
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	5	0.55
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	9	0.55
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	9	0.55
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	9	0.55
(1,519)	1:37:A:ILE:HG12	1:38:A:GLU:H	16	0.55
(1,519)	1:37:A:ILE:HG13	1:38:A:GLU:H	16	0.55
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	3	0.55
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	5	0.55
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	18	0.55
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	9	0.55
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	1	0.55
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	18	0.55
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	19	0.55
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	3	0.55
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	6	0.55
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	12	0.55
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	17	0.55
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	17	0.55
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	17	0.55
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	20	0.55
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	20	0.55
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	20	0.55
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	4	0.55
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	7	0.55
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	3	0.55
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	3	0.55
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	3	0.55
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	3	0.55
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	5	0.55
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	16	0.55
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	18	0.55
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	18	0.54
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	18	0.54
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	18	0.54
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	9	0.54
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	9	0.54
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	9	0.54
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	6	0.54
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	6	0.54
(1,1305)	1:74:A:LEU:HD21	1:75:A:ASN:HD22	10	0.54
(1,1305)	1:74:A:LEU:HD22	1:75:A:ASN:HD22	10	0.54
(1,1305)	1:74:A:LEU:HD23	1:75:A:ASN:HD22	10	0.54
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	6	0.54
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	15	0.54
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	18	0.54
(1,1081)	1:77:A:LYS:H	1:77:A:LYS:HB2	8	0.54
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	2	0.54
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	1	0.54
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	3	0.54
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	3	0.54
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	3	0.54
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	15	0.54
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	15	0.54
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	14	0.54
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	14	0.54
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	14	0.54
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	12	0.54
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	12	0.54
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	12	0.54
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	12	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	12	0.54
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	12	0.54
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	12	0.54
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	12	0.54
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	12	0.54
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	6	0.54
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	6	0.54
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	6	0.54
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	6	0.54
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	6	0.54
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	6	0.54
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	14	0.54
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	14	0.54
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	14	0.54
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	16	0.54
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	16	0.54
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	16	0.54
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	17	0.54
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	17	0.54
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	17	0.54
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	5	0.54
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	5	0.54
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	5	0.54
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	5	0.54
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	5	0.54
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	5	0.54
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	5	0.54
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	5	0.54
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	5	0.54
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	7	0.54
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	7	0.54
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	7	0.54
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	19	0.54
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	10	0.54
(1,472)	1:80:A:HIS:H	1:80:A:HIS:HB3	3	0.54
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	12	0.54
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	14	0.54
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	14	0.54
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	6	0.54
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	14	0.54
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	14	0.54
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	9	0.54
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	12	0.54
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	12	0.54
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	11	0.54
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	11	0.54
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	11	0.54
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	11	0.54
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	15	0.54
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	15	0.54
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	15	0.54
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	15	0.54
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	18	0.54
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	18	0.54
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	18	0.54
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	9	0.54
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	10	0.54
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	10	0.54
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	10	0.54
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	11	0.54
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	15	0.54
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	7	0.54
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	18	0.53
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	18	0.53
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	18	0.53
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	17	0.53
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	4	0.53
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	4	0.53
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	4	0.53
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	4	0.53
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	4	0.53
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	4	0.53
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	4	0.53
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	4	0.53
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	4	0.53
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	17	0.53
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	17	0.53
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	17	0.53
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	17	0.53
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	17	0.53
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	17	0.53
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	17	0.53
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	17	0.53
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	5	0.53
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	5	0.53
(1,1337)	1:14:A:GLY:H	1:52:A:ALA:H	9	0.53
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	9	0.53
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	5	0.53
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	5	0.53
(1,1194)	1:69:A:MET:HB2	1:70:A:ASN:H	13	0.53
(1,1194)	1:69:A:MET:HB3	1:70:A:ASN:H	13	0.53
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	1	0.53
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	7	0.53
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	17	0.53
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	6	0.53
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	6	0.53
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	6	0.53
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	11	0.53
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	11	0.53
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	11	0.53
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	17	0.53
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	17	0.53
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	17	0.53
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	4	0.53
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	4	0.53
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	4	0.53
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	20	0.53
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	20	0.53
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	6	0.53
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	6	0.53
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	6	0.53
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	17	0.53
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	17	0.53
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	17	0.53
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	4	0.53
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	4	0.53
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	4	0.53
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	5	0.53
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	5	0.53
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	5	0.53
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	19	0.53
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	19	0.53
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	19	0.53
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	3	0.53
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	3	0.53
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG21	9	0.53
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG22	9	0.53
(1,651)	1:34:A:ILE:H	1:57:A:VAL:HG23	9	0.53
(1,598)	1:41:A:LEU:HD11	1:42:A:ASN:H	14	0.53
(1,598)	1:41:A:LEU:HD12	1:42:A:ASN:H	14	0.53
(1,598)	1:41:A:LEU:HD13	1:42:A:ASN:H	14	0.53
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	1	0.53
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	2	0.53
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	3	0.53
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	5	0.53
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	3	0.53
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	6	0.53
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	6	0.53
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	8	0.53
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	8	0.53
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	15	0.53
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	15	0.53
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	18	0.53
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	18	0.53
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	6	0.53
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	7	0.53
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	7	0.53
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	7	0.53
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	10	0.53
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	10	0.53
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	10	0.53
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	14	0.53
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	14	0.53
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	14	0.53
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	20	0.53
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	3	0.53
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	6	0.53
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	1	0.53
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	13	0.52
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	13	0.52
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	13	0.52
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	4	0.52
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	4	0.52
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	10	0.52
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	6	0.52
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	6	0.52
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	6	0.52
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	14	0.52
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	14	0.52
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	14	0.52
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE1	15	0.52
(1,893)	1:34:A:ILE:HD11	1:56:A:TYR:HE2	15	0.52
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE1	15	0.52
(1,893)	1:34:A:ILE:HD12	1:56:A:TYR:HE2	15	0.52
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE1	15	0.52
(1,893)	1:34:A:ILE:HD13	1:56:A:TYR:HE2	15	0.52
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	2	0.52
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	2	0.52
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	2	0.52
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	4	0.52
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	4	0.52
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	4	0.52
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	12	0.52
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	12	0.52
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	12	0.52
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	1	0.52
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	1	0.52
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	1	0.52
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB1	6	0.52
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB2	6	0.52
(1,763)	1:65:A:ALA:H	1:65:A:ALA:HB3	6	0.52
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	14	0.52
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	14	0.52
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	14	0.52
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	7	0.52
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	7	0.52
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	7	0.52
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	18	0.52
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	18	0.52
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	18	0.52
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	4	0.52
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	4	0.52
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	4	0.52
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	8	0.52
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	8	0.52
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	8	0.52
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	8	0.52
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	8	0.52
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	8	0.52
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	8	0.52
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	8	0.52
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	2	0.52
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	2	0.52
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	4	0.52
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	5	0.52
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	20	0.52
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	15	0.52
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	18	0.52
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	16	0.52
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	7	0.52
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	18	0.52
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	18	0.52
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	18	0.52
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	18	0.52
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	11	0.52
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	11	0.52
(1,230)	1:4:A:ASN:HD21	1:82:A:ASN:HB2	6	0.52
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	4	0.52
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	2	0.52
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	1	0.52
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	1	0.52
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	11	0.52
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	11	0.52
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	7	0.52
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	7	0.52
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	1	0.52
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	1	0.52
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	2	0.52
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	2	0.52
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	3	0.52
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	10	0.52
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	11	0.52
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	5	0.52
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	8	0.52
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	19	0.52
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	2	0.51
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	7	0.51
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	7	0.51
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	7	0.51
(1,1317)	1:16:A:ASP:HB2	1:18:A:THR:H	17	0.51
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	6	0.51
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	6	0.51
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	16	0.51
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	11	0.51
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	8	0.51
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	14	0.51
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	14	0.51
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	3	0.51
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	3	0.51
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	3	0.51
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	9	0.51
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	9	0.51
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	9	0.51
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	2	0.51
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	2	0.51
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	2	0.51
(1,967)	1:55:A:GLU:HG2	1:56:A:TYR:H	19	0.51
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	6	0.51
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	6	0.51
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	6	0.51
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	6	0.51
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	6	0.51
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	6	0.51
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	14	0.51
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	14	0.51
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	14	0.51
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	9	0.51
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	9	0.51
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	9	0.51
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	14	0.51
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	14	0.51
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	14	0.51
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	5	0.51
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	5	0.51
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	5	0.51
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	5	0.51
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	5	0.51
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	5	0.51
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	5	0.51
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	5	0.51
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	1	0.51
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	1	0.51
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	1	0.51
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	5	0.51
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	5	0.51
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	5	0.51
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	5	0.51
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	5	0.51
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	5	0.51
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	8	0.51
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	8	0.51
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	8	0.51
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	11	0.51
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	11	0.51
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	11	0.51
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	13	0.51
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	13	0.51
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	13	0.51
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	9	0.51
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	15	0.51
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	16	0.51
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	17	0.51
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	13	0.51
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	2	0.51
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	2	0.51
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	19	0.51
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	19	0.51
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	13	0.51
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	7	0.51
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	7	0.51
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	7	0.51
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	7	0.51
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	18	0.51
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	10	0.51
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	15	0.51
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	13	0.51
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	13	0.51
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	13	0.51
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	16	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	17	0.51
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	17	0.51
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	18	0.51
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	18	0.51
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	16	0.51
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	17	0.51
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	10	0.5
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	14	0.5
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	4	0.5
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	4	0.5
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	4	0.5
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD21	19	0.5
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD22	19	0.5
(1,1488)	1:41:A:LEU:HB3	1:41:A:LEU:HD23	19	0.5
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	20	0.5
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	20	0.5
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	20	0.5
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	11	0.5
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	11	0.5
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	15	0.5
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	15	0.5
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	15	0.5
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	16	0.5
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	16	0.5
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	16	0.5
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	7	0.5
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	14	0.5
(1,1310)	1:4:A:ASN:HD21	1:82:A:ASN:H	10	0.5
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	11	0.5
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	11	0.5
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	11	0.5
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	6	0.5
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	11	0.5
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	11	0.5
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	17	0.5
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	6	0.5
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	6	0.5
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	13	0.5
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	20	0.5
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	1	0.5
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	1	0.5
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	2	0.5
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	1	0.5
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	1	0.5
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	1	0.5
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	11	0.5
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	11	0.5
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	11	0.5
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	2	0.5
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	2	0.5
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	2	0.5
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	4	0.5
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	4	0.5
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	4	0.5
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	15	0.5
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	15	0.5
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	15	0.5
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	12	0.5
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	12	0.5
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	12	0.5
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	20	0.5
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	20	0.5
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	20	0.5
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	4	0.5
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	4	0.5
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	4	0.5
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	12	0.5
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	12	0.5
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	12	0.5
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	12	0.5
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	12	0.5
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	12	0.5
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	8	0.5
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	8	0.5
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	8	0.5
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	17	0.5
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	17	0.5
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	17	0.5
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	15	0.5
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	15	0.5
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	15	0.5
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	15	0.5
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	15	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	15	0.5
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	19	0.5
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	19	0.5
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	10	0.5
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	10	0.5
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	10	0.5
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	2	0.5
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	2	0.5
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	2	0.5
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	2	0.5
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	2	0.5
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	2	0.5
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	16	0.5
(1,472)	1:80:A:HIS:H	1:80:A:HIS:HB3	14	0.5
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	9	0.5
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	2	0.5
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	4	0.5
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	16	0.5
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	14	0.5
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	16	0.5
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	16	0.5
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	7	0.5
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	18	0.5
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	11	0.5
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	11	0.5
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	13	0.5
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	20	0.5
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	6	0.5
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	6	0.5
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	6	0.5
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	6	0.5
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	9	0.5
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	9	0.5
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	9	0.5
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	9	0.5
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	16	0.5
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	16	0.5
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	16	0.5
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	16	0.5
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	20	0.5
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	20	0.5
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	20	0.5
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	4	0.5
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	9	0.5
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	9	0.5
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	9	0.5
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	20	0.5
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	5	0.5
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	1	0.5
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	20	0.5
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	20	0.5
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	8	0.5
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	8	0.5
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	12	0.5
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	2	0.5
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	19	0.5
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	7	0.5
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	7	0.5
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	7	0.5
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	7	0.5
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	7	0.5
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	7	0.49
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	7	0.49
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	7	0.49
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	10	0.49
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	10	0.49
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	10	0.49
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	6	0.49
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	11	0.49
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	11	0.49
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	8	0.49
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	8	0.49
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	8	0.49
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	8	0.49
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	13	0.49
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	13	0.49
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	15	0.49
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	15	0.49
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	10	0.49
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	10	0.49
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	10	0.49
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	18	0.49
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	20	0.49
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	20	0.49
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	1	0.49
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	17	0.49
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	17	0.49
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	18	0.49
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	1	0.49
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	1	0.49
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	9	0.49
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	12	0.49
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	8	0.49
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	4	0.49
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	11	0.49
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	11	0.49
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	5	0.49
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	14	0.49
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	14	0.49
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	14	0.49
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	17	0.49
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	17	0.49
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	17	0.49
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	17	0.49
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	3	0.49
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	3	0.49
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	3	0.49
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	20	0.49
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	20	0.49
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	20	0.49
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	13	0.49
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	13	0.49
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	13	0.49
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	11	0.49
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	11	0.49
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	11	0.49
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	1	0.49
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	1	0.49
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	1	0.49
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	17	0.49
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	17	0.49
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	17	0.49
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	13	0.49
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	13	0.49
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	7	0.49
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	7	0.49
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	7	0.49
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	15	0.49
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	15	0.49
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	15	0.49
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	19	0.49
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	19	0.49
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	19	0.49
(1,743)	1:12:A:VAL:HG21	1:13:A:GLY:H	13	0.49
(1,743)	1:12:A:VAL:HG22	1:13:A:GLY:H	13	0.49
(1,743)	1:12:A:VAL:HG23	1:13:A:GLY:H	13	0.49
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	20	0.49
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	20	0.49
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	20	0.49
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	20	0.49
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	20	0.49
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	20	0.49
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	20	0.49
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	20	0.49
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	20	0.49
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	18	0.49
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	18	0.49
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	18	0.49
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	9	0.49
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	9	0.49
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	9	0.49
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	10	0.49
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	10	0.49
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	10	0.49
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	10	0.49
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	10	0.49
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	7	0.49
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	7	0.49
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	15	0.49
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	15	0.49
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	13	0.49
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	17	0.49
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	5	0.49
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	14	0.49
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	14	0.49
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	3	0.49
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	3	0.49
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	13	0.49
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	1	0.49
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	4	0.49
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	14	0.49
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	8	0.49
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	10	0.49
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	16	0.49
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	17	0.49
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	4	0.49
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	4	0.49
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	6	0.49
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	6	0.49
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	10	0.49
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	10	0.49
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	10	0.49
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	10	0.49
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	10	0.49
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	10	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	8	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	8	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	8	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	15	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	15	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	15	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	16	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	16	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	16	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	19	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	19	0.49
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	19	0.49
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG21	12	0.49
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG22	12	0.49
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG23	12	0.49
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG21	12	0.49
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG22	12	0.49
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG23	12	0.49
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG21	20	0.49
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG22	20	0.49
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG23	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG21	20	0.49
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG22	20	0.49
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG23	20	0.49
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	18	0.49
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	18	0.49
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	18	0.49
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	16	0.49
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	2	0.49
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	16	0.49
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	16	0.49
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	16	0.49
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	3	0.49
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	13	0.49
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	12	0.49
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	9	0.49
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	13	0.49
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	20	0.49
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	4	0.49
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	15	0.49
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	15	0.49
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	1	0.48
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	1	0.48
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	1	0.48
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	1	0.48
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	1	0.48
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	1	0.48
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	1	0.48
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	1	0.48
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	1	0.48
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	1	0.48
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	1	0.48
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	1	0.48
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	19	0.48
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	19	0.48
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	19	0.48
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	19	0.48
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	19	0.48
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	19	0.48
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	19	0.48
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	19	0.48
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	19	0.48
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	17	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	17	0.48
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	17	0.48
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	17	0.48
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	17	0.48
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	17	0.48
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	2	0.48
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	2	0.48
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	2	0.48
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	10	0.48
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	10	0.48
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	10	0.48
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	17	0.48
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	9	0.48
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	9	0.48
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	9	0.48
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	9	0.48
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	18	0.48
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	18	0.48
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	18	0.48
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	5	0.48
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	11	0.48
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	14	0.48
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	19	0.48
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	19	0.48
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	19	0.48
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	15	0.48
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	15	0.48
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	3	0.48
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	3	0.48
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	13	0.48
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	13	0.48
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	2	0.48
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	7	0.48
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	15	0.48
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	14	0.48
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	15	0.48
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	2	0.48
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	14	0.48
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	15	0.48
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	17	0.48
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	1	0.48
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	2	0.48
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	2	0.48
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	10	0.48
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	20	0.48
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	20	0.48
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	20	0.48
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	9	0.48
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	9	0.48
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	9	0.48
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	13	0.48
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	13	0.48
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	13	0.48
(1,967)	1:55:A:GLU:HG2	1:56:A:TYR:H	14	0.48
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	12	0.48
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	2	0.48
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	2	0.48
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	2	0.48
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	2	0.48
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	2	0.48
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	2	0.48
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	3	0.48
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	3	0.48
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	3	0.48
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	3	0.48
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	3	0.48
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	3	0.48
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	8	0.48
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	8	0.48
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	12	0.48
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	12	0.48
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	12	0.48
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	10	0.48
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	10	0.48
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	10	0.48
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	11	0.48
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	11	0.48
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	11	0.48
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	7	0.48
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	7	0.48
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	7	0.48
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	13	0.48
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	13	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	13	0.48
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	15	0.48
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	15	0.48
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	15	0.48
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	15	0.48
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	15	0.48
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	15	0.48
(1,852)	1:37:A:ILE:HG21	1:54:A:VAL:HA	5	0.48
(1,852)	1:37:A:ILE:HG22	1:54:A:VAL:HA	5	0.48
(1,852)	1:37:A:ILE:HG23	1:54:A:VAL:HA	5	0.48
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	17	0.48
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	17	0.48
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	17	0.48
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	20	0.48
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	20	0.48
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	20	0.48
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	3	0.48
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	3	0.48
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	3	0.48
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	15	0.48
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	15	0.48
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	15	0.48
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	4	0.48
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	4	0.48
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	4	0.48
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	4	0.48
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	4	0.48
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	4	0.48
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	4	0.48
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	4	0.48
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	4	0.48
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	8	0.48
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	8	0.48
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	8	0.48
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	11	0.48
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	11	0.48
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	11	0.48
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	12	0.48
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	12	0.48
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	12	0.48
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	8	0.48
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	8	0.48
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	19	0.48
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	19	0.48
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	19	0.48
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	19	0.48
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	19	0.48
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	19	0.48
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	19	0.48
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	19	0.48
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	19	0.48
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG11	19	0.48
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG12	19	0.48
(1,737)	1:54:A:VAL:HA	1:54:A:VAL:HG13	19	0.48
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	4	0.48
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	4	0.48
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	4	0.48
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	14	0.48
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	14	0.48
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	14	0.48
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	14	0.48
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	14	0.48
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	14	0.48
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	19	0.48
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	19	0.48
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	19	0.48
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	19	0.48
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	19	0.48
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	19	0.48
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	20	0.48
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	20	0.48
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	20	0.48
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	20	0.48
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	20	0.48
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	20	0.48
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	5	0.48
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	5	0.48
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	5	0.48
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	14	0.48
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	18	0.48
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	10	0.48
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	2	0.48
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	16	0.48
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	12	0.48
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	12	0.48
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	4	0.48
(1,380)	1:17:A:GLU:H	1:17:A:GLU:HG2	14	0.48
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	2	0.48
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	20	0.48
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	20	0.48
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	9	0.48
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	1	0.48
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	12	0.48
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	12	0.48
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	12	0.48
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG21	4	0.48
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG22	4	0.48
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG23	4	0.48
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG21	4	0.48
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG22	4	0.48
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG23	4	0.48
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	3	0.48
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	3	0.48
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	3	0.48
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	7	0.48
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	7	0.48
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	7	0.48
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	3	0.48
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	4	0.48
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	12	0.48
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	14	0.48
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	20	0.48
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	14	0.48
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	13	0.48
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	13	0.48
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	13	0.48
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	7	0.48
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG2	12	0.48
(1,117)	1:46:A:LYS:HA	1:46:A:LYS:HG3	12	0.48
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	4	0.48
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	5	0.48
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	11	0.48
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	12	0.48
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG21	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG22	7	0.48
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG23	7	0.48
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	6	0.48
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	6	0.48
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	5	0.48
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	5	0.48
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	5	0.48
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	12	0.47
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	12	0.47
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	12	0.47
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	5	0.47
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	8	0.47
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	13	0.47
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	12	0.47
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	12	0.47
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	12	0.47
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	5	0.47
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	5	0.47
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	5	0.47
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	5	0.47
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	5	0.47
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	5	0.47
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	5	0.47
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	5	0.47
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	5	0.47
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	6	0.47
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	6	0.47
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	6	0.47
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	6	0.47
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	6	0.47
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	6	0.47
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	6	0.47
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	6	0.47
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	6	0.47
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG11	6	0.47
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG12	6	0.47
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG13	6	0.47
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG11	6	0.47
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG12	6	0.47
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG13	6	0.47
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG11	6	0.47
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG12	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG13	6	0.47
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	5	0.47
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	5	0.47
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	5	0.47
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	5	0.47
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	11	0.47
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	11	0.47
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	11	0.47
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	11	0.47
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	12	0.47
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	12	0.47
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	13	0.47
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	16	0.47
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	4	0.47
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	17	0.47
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	17	0.47
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	20	0.47
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	20	0.47
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	11	0.47
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	11	0.47
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	13	0.47
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	13	0.47
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	10	0.47
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	19	0.47
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	6	0.47
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	19	0.47
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	19	0.47
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	11	0.47
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	15	0.47
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	1	0.47
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	11	0.47
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	6	0.47
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	4	0.47
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	4	0.47
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	5	0.47
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	5	0.47
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	8	0.47
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	7	0.47
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	7	0.47
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	4	0.47
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	4	0.47
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	11	0.47
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	11	0.47
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	11	0.47
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	3	0.47
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	3	0.47
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	15	0.47
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	15	0.47
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	17	0.47
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	17	0.47
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	19	0.47
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	19	0.47
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	11	0.47
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	11	0.47
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	20	0.47
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	20	0.47
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	3	0.47
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	3	0.47
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	3	0.47
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	7	0.47
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	7	0.47
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	7	0.47
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	10	0.47
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	10	0.47
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	10	0.47
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	14	0.47
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	14	0.47
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	14	0.47
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	3	0.47
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	3	0.47
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	3	0.47
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	18	0.47
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	18	0.47
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	18	0.47
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	8	0.47
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	8	0.47
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	8	0.47
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	3	0.47
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	3	0.47
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	3	0.47
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	5	0.47
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	5	0.47
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	14	0.47
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	14	0.47
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	14	0.47
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	14	0.47
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	14	0.47
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	14	0.47
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	1	0.47
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	1	0.47
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	1	0.47
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	3	0.47
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	3	0.47
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	3	0.47
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	3	0.47
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	3	0.47
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	3	0.47
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	5	0.47
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	5	0.47
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	5	0.47
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	5	0.47
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	5	0.47
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	5	0.47
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	1	0.47
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	1	0.47
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	1	0.47
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	12	0.47
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	12	0.47
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	12	0.47
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	12	0.47
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	12	0.47
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	12	0.47
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	12	0.47
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	12	0.47
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	12	0.47
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	5	0.47
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	5	0.47
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	18	0.47
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	18	0.47
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	18	0.47
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	8	0.47
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	8	0.47
(1,517)	1:37:A:ILE:HG12	1:54:A:VAL:HA	6	0.47
(1,517)	1:37:A:ILE:HG13	1:54:A:VAL:HA	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	1	0.47
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	1	0.47
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	14	0.47
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	20	0.47
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	13	0.47
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	1	0.47
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	8	0.47
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	19	0.47
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	10	0.47
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	20	0.47
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	8	0.47
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	5	0.47
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	20	0.47
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	12	0.47
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	16	0.47
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	1	0.47
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	9	0.47
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	15	0.47
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	15	0.47
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	15	0.47
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	12	0.47
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	19	0.47
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	11	0.47
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	1	0.47
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	1	0.47
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	5	0.47
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	5	0.47
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	18	0.47
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	18	0.47
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	8	0.47
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD11	3	0.47
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD12	3	0.47
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD13	3	0.47
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	5	0.47
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	5	0.47
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	5	0.47
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG21	11	0.47
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG22	11	0.47
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG23	11	0.47
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG21	11	0.47
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG22	11	0.47
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG23	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG21	17	0.47
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG22	17	0.47
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG23	17	0.47
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG21	17	0.47
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG22	17	0.47
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG23	17	0.47
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	5	0.47
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	5	0.47
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	1	0.47
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	9	0.47
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	10	0.47
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	12	0.47
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	3	0.47
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	4	0.47
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	17	0.47
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	7	0.47
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	2	0.47
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	15	0.47
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	11	0.47
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	12	0.47
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	12	0.47
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	19	0.47
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	19	0.47
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	3	0.47
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	3	0.47
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	17	0.47
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	17	0.47
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	6	0.47
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	6	0.47
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	6	0.47
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	1	0.46
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	6	0.46
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	6	0.46
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	6	0.46
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	8	0.46
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	8	0.46
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	8	0.46
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	8	0.46
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	8	0.46
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	8	0.46
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	10	0.46
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	10	0.46
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	13	0.46
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	13	0.46
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	13	0.46
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	13	0.46
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	13	0.46
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	13	0.46
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	13	0.46
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	13	0.46
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	13	0.46
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	14	0.46
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	14	0.46
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	14	0.46
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	14	0.46
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	14	0.46
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	14	0.46
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	14	0.46
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	14	0.46
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	14	0.46
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	12	0.46
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	12	0.46
(1,1317)	1:16:A:ASP:HB2	1:18:A:THR:H	8	0.46
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	3	0.46
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	6	0.46
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	12	0.46
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	16	0.46
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	17	0.46
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	7	0.46
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	3	0.46
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	10	0.46
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	10	0.46
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	12	0.46
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	12	0.46
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	2	0.46
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	15	0.46
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	13	0.46
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	14	0.46
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	14	0.46
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	14	0.46
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	1	0.46
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	9	0.46
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	19	0.46
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	3	0.46
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	3	0.46
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	17	0.46
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	4	0.46
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	4	0.46
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	4	0.46
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	17	0.46
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	17	0.46
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	17	0.46
(1,1059)	1:53:A:PHE:HD1	1:54:A:VAL:H	9	0.46
(1,1059)	1:53:A:PHE:HD2	1:54:A:VAL:H	9	0.46
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	12	0.46
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	7	0.46
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	18	0.46
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	6	0.46
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	6	0.46
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	3	0.46
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	6	0.46
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	2	0.46
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	15	0.46
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	15	0.46
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	15	0.46
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	15	0.46
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	15	0.46
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	15	0.46
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	4	0.46
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	4	0.46
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	6	0.46
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	6	0.46
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	17	0.46
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	17	0.46
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	17	0.46
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	19	0.46
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	19	0.46
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	19	0.46
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	7	0.46
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	7	0.46
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	7	0.46
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	10	0.46
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	10	0.46
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	18	0.46
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	18	0.46
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	18	0.46
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	10	0.46
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	10	0.46
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	10	0.46
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	9	0.46
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	9	0.46
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	9	0.46
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	20	0.46
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	20	0.46
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	20	0.46
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	3	0.46
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	3	0.46
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	3	0.46
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	11	0.46
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	11	0.46
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	11	0.46
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	12	0.46
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	12	0.46
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	12	0.46
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	16	0.46
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	16	0.46
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	16	0.46
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	18	0.46
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	18	0.46
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	18	0.46
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	1	0.46
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	1	0.46
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	1	0.46
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	13	0.46
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	13	0.46
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	13	0.46
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	13	0.46
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	13	0.46
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	13	0.46
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	13	0.46
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	13	0.46
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	13	0.46
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	2	0.46
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	2	0.46
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	10	0.46
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	10	0.46
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	10	0.46
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE1	11	0.46
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE2	11	0.46
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE1	11	0.46
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE2	11	0.46
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE1	11	0.46
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE2	11	0.46
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	3	0.46
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	3	0.46
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	3	0.46
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	11	0.46
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	11	0.46
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	11	0.46
(1,743)	1:12:A:VAL:HG21	1:13:A:GLY:H	18	0.46
(1,743)	1:12:A:VAL:HG22	1:13:A:GLY:H	18	0.46
(1,743)	1:12:A:VAL:HG23	1:13:A:GLY:H	18	0.46
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	5	0.46
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	5	0.46
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	5	0.46
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	2	0.46
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	2	0.46
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	2	0.46
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	6	0.46
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	6	0.46
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	6	0.46
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	8	0.46
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	8	0.46
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	8	0.46
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	15	0.46
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	15	0.46
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	15	0.46
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	6	0.46
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	6	0.46
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	6	0.46
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	6	0.46
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	6	0.46
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	6	0.46
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	13	0.46
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	13	0.46
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	13	0.46
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	13	0.46
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	13	0.46
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	17	0.46
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	17	0.46
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	17	0.46
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	17	0.46
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	17	0.46
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	17	0.46
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	7	0.46
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	7	0.46
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	7	0.46
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	7	0.46
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	7	0.46
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	7	0.46
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG11	9	0.46
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG12	9	0.46
(1,659)	1:58:A:GLU:HA	1:59:A:VAL:HG13	9	0.46
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	5	0.46
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	5	0.46
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	5	0.46
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	5	0.46
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	5	0.46
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	5	0.46
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	5	0.46
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	5	0.46
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	5	0.46
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	2	0.46
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	2	0.46
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	2	0.46
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	2	0.46
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	2	0.46
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	2	0.46
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	2	0.46
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	2	0.46
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	2	0.46
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	16	0.46
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	16	0.46
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	15	0.46
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	15	0.46
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	19	0.46
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	20	0.46
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	20	0.46
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	20	0.46
(1,519)	1:37:A:ILE:HG12	1:38:A:GLU:H	12	0.46
(1,519)	1:37:A:ILE:HG13	1:38:A:GLU:H	12	0.46
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	19	0.46
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	18	0.46
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	4	0.46
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	9	0.46
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	11	0.46
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	13	0.46
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	5	0.46
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	14	0.46
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	20	0.46
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	15	0.46
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	7	0.46
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	1	0.46
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	18	0.46
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	1	0.46
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	7	0.46
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	3	0.46
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	4	0.46
(1,411)	1:81:A:VAL:H	1:81:A:VAL:HB	11	0.46
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	2	0.46
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	6	0.46
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	19	0.46
(1,346)	1:67:A:TYR:H	1:67:A:TYR:HB2	3	0.46
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	1	0.46
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	2	0.46
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	20	0.46
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	9	0.46
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	9	0.46
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	13	0.46
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	13	0.46
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	18	0.46
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	3	0.46
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	4	0.46
(1,272)	1:3:A:ASP:HB2	1:4:A:ASN:H	18	0.46
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	8	0.46
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	8	0.46
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	8	0.46
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	5	0.46
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	5	0.46
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	5	0.46
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	5	0.46
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	5	0.46
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	3	0.46
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	3	0.46
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	3	0.46
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	2	0.46
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	11	0.46
(1,174)	1:10:A:LEU:HA	1:11:A:PHE:H	17	0.46
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	19	0.46
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	19	0.46
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	3	0.46
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	5	0.46
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	11	0.46
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	6	0.46
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	9	0.46
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	12	0.46
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	14	0.46
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	5	0.46
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	6	0.46
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	17	0.46
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	10	0.46
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	10	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	1	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	1	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	1	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	2	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	2	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	2	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	13	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	13	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	13	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	15	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	15	0.46
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	15	0.46
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	20	0.45
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	20	0.45
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	5	0.45
(1,1531)	1:13:A:GLY:H	1:80:A:HIS:HB2	5	0.45
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	15	0.45
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	15	0.45
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	3	0.45
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	3	0.45
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	3	0.45
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	3	0.45
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	3	0.45
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	3	0.45
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	3	0.45
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	3	0.45
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	3	0.45
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	3	0.45
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	3	0.45
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	4	0.45
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	4	0.45
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	8	0.45
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	8	0.45
(1,1445)	1:73:A:GLU:HG3	1:74:A:LEU:HA	2	0.45
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	5	0.45
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	5	0.45
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	6	0.45
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	18	0.45
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	18	0.45
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG11	19	0.45
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG12	19	0.45
(1,1371)	1:81:A:VAL:HA	1:81:A:VAL:HG13	19	0.45
(1,1337)	1:14:A:GLY:H	1:52:A:ALA:H	6	0.45
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	8	0.45
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	8	0.45
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	8	0.45
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	8	0.45
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	8	0.45
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	8	0.45
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	17	0.45
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	17	0.45
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	17	0.45
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	4	0.45
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	4	0.45
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	7	0.45
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	7	0.45
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD11	8	0.45
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD12	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:27:A:ILE:H	1:27:A:ILE:HD13	8	0.45
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	8	0.45
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	8	0.45
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	20	0.45
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	20	0.45
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	5	0.45
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	10	0.45
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	17	0.45
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	1	0.45
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	16	0.45
(1,1146)	1:3:A:ASP:HA	1:4:A:ASN:H	5	0.45
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	2	0.45
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	2	0.45
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	20	0.45
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	20	0.45
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	9	0.45
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	10	0.45
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	20	0.45
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	16	0.45
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	16	0.45
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	16	0.45
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	19	0.45
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	12	0.45
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	20	0.45
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	19	0.45
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	19	0.45
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	1	0.45
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	1	0.45
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	8	0.45
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	8	0.45
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	5	0.45
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	20	0.45
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	12	0.45
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	1	0.45
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	8	0.45
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	18	0.45
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	17	0.45
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	17	0.45
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	17	0.45
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	17	0.45
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	9	0.45
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	3	0.45
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	18	0.45
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	18	0.45
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	6	0.45
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	6	0.45
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	5	0.45
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	5	0.45
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	5	0.45
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	5	0.45
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	5	0.45
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	5	0.45
(1,937)	1:80:A:HIS:HB2	1:80:A:HIS:HD2	11	0.45
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	5	0.45
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	5	0.45
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD11	4	0.45
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD12	4	0.45
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD13	4	0.45
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD11	4	0.45
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD12	4	0.45
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD13	4	0.45
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD11	4	0.45
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD12	4	0.45
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD13	4	0.45
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	4	0.45
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	4	0.45
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	4	0.45
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	12	0.45
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	12	0.45
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	12	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	2	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	2	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	2	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	3	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	3	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	3	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	11	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	11	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	11	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	16	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	16	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	16	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	19	0.45
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	19	0.45
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	7	0.45
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	7	0.45
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	7	0.45
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	9	0.45
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	9	0.45
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	9	0.45
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	7	0.45
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	7	0.45
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	7	0.45
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	19	0.45
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	19	0.45
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	19	0.45
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	17	0.45
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	17	0.45
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	17	0.45
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	8	0.45
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	8	0.45
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	8	0.45
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	17	0.45
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	17	0.45
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	17	0.45
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	18	0.45
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	18	0.45
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	18	0.45
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	2	0.45
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	2	0.45
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	2	0.45
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	2	0.45
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	2	0.45
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	2	0.45
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	5	0.45
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	5	0.45
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	5	0.45
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	5	0.45
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	5	0.45
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	5	0.45
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	8	0.45
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	8	0.45
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	8	0.45
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	8	0.45
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	8	0.45
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	9	0.45
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	9	0.45
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	9	0.45
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	9	0.45
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	9	0.45
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	9	0.45
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	6	0.45
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	6	0.45
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	6	0.45
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	6	0.45
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	6	0.45
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	6	0.45
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	7	0.45
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	7	0.45
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	7	0.45
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	2	0.45
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	2	0.45
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	2	0.45
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	11	0.45
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	11	0.45
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	11	0.45
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	11	0.45
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	11	0.45
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	11	0.45
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	11	0.45
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	11	0.45
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	11	0.45
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	11	0.45
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	11	0.45
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	11	0.45
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	2	0.45
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	2	0.45
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	2	0.45
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	8	0.45
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	8	0.45
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	8	0.45
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	19	0.45
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	19	0.45
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	19	0.45
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	9	0.45
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	9	0.45
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	20	0.45
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	20	0.45
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	20	0.45
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	20	0.45
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	20	0.45
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	20	0.45
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	13	0.45
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	13	0.45
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	13	0.45
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	6	0.45
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	6	0.45
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	13	0.45
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	15	0.45
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	7	0.45
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	8	0.45
(1,493)	1:21:A:GLU:H	1:21:A:GLU:HB2	5	0.45
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	14	0.45
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	15	0.45
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	7	0.45
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	15	0.45
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	4	0.45
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	11	0.45
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	14	0.45
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	3	0.45
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	3	0.45
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	9	0.45
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	9	0.45
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	9	0.45
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	11	0.45
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	3	0.45
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	14	0.45
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	20	0.45
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	4	0.45
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	20	0.45
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	8	0.45
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	16	0.45
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	5	0.45
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	10	0.45
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	10	0.45
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	17	0.45
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	8	0.45
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	10	0.45
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	11	0.45
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	2	0.45
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	4	0.45
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	15	0.45
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	2	0.45
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	2	0.45
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	2	0.45
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	13	0.45
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD2	1	0.45
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD3	1	0.45
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	10	0.45
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	10	0.45
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	20	0.45
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	20	0.45
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	20	0.45
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	12	0.45
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	17	0.45
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	9	0.45
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	9	0.45
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	15	0.45
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	15	0.45
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	15	0.45
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	8	0.45
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	14	0.45
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	20	0.45
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	11	0.45
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	20	0.45
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	6	0.45
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	18	0.45
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	14	0.45
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	14	0.45
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	17	0.45
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	14	0.45
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	14	0.45
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	6	0.45
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	6	0.45
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	6	0.45
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	9	0.45
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	13	0.45
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	10	0.45
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	6	0.45
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	4	0.45
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	4	0.45
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	4	0.45
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	5	0.45
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	5	0.45
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	9	0.45
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	9	0.45
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	10	0.45
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	10	0.45
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	10	0.45
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	17	0.45
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	17	0.45
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	17	0.45
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	20	0.44
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	20	0.44
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	20	0.44
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	10	0.44
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	12	0.44
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	12	0.44
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	12	0.44
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	12	0.44
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	12	0.44
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	12	0.44
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	12	0.44
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	12	0.44
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	12	0.44
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG21	11	0.44
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG22	11	0.44
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG23	11	0.44
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	4	0.44
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	4	0.44
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	4	0.44
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	4	0.44
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	20	0.44
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	20	0.44
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	20	0.44
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	20	0.44
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	12	0.44
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	13	0.44
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	13	0.44
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	15	0.44
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	15	0.44
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	8	0.44
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	7	0.44
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	7	0.44
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	10	0.44
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	10	0.44
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	13	0.44
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	13	0.44
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	15	0.44
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	15	0.44
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	17	0.44
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	19	0.44
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	12	0.44
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	2	0.44
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	2	0.44
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	12	0.44
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	13	0.44
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	3	0.44
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	7	0.44
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	7	0.44
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	7	0.44
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	19	0.44
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	19	0.44
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	14	0.44
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	1	0.44
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	3	0.44
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	7	0.44
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	19	0.44
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	2	0.44
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	2	0.44
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	11	0.44
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	11	0.44
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	9	0.44
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	3	0.44
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	7	0.44
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	9	0.44
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	13	0.44
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	13	0.44
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	16	0.44
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	5	0.44
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	5	0.44
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	16	0.44
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	16	0.44
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	16	0.44
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	16	0.44
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	13	0.44
(1,1017)	1:10:A:LEU:HD21	1:11:A:PHE:H	12	0.44
(1,1017)	1:10:A:LEU:HD22	1:11:A:PHE:H	12	0.44
(1,1017)	1:10:A:LEU:HD23	1:11:A:PHE:H	12	0.44
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	9	0.44
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	18	0.44
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	7	0.44
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	14	0.44
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	14	0.44
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	14	0.44
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	6	0.44
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	3	0.44
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	9	0.44
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	9	0.44
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	10	0.44
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	10	0.44
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	1	0.44
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	1	0.44
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	3	0.44
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	3	0.44
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	13	0.44
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	13	0.44
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD1	6	0.44
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD2	6	0.44
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	16	0.44
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	16	0.44
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	16	0.44
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	9	0.44
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	9	0.44
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	9	0.44
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	19	0.44
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	19	0.44
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	19	0.44
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	4	0.44
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	4	0.44
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	6	0.44
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	6	0.44
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	6	0.44
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	18	0.44
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	18	0.44
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	18	0.44
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG11	4	0.44
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG12	4	0.44
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG13	4	0.44
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG11	4	0.44
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG12	4	0.44
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG13	4	0.44
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG11	4	0.44
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG12	4	0.44
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG13	4	0.44
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	5	0.44
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	5	0.44
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	5	0.44
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	5	0.44
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	5	0.44
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	5	0.44
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	5	0.44
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	5	0.44
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	5	0.44
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	1	0.44
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	1	0.44
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	1	0.44
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	19	0.44
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	19	0.44
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	19	0.44
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	13	0.44
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	13	0.44
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	13	0.44
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	16	0.44
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	16	0.44
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	16	0.44
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	11	0.44
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	11	0.44
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	11	0.44
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	11	0.44
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	11	0.44
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	11	0.44
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	11	0.44
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	11	0.44
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG21	4	0.44
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG22	4	0.44
(1,802)	1:19:A:ILE:HA	1:19:A:ILE:HG23	4	0.44
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	8	0.44
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	8	0.44
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	8	0.44
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	8	0.44
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	8	0.44
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	8	0.44
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	8	0.44
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	8	0.44
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	8	0.44
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	14	0.44
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	14	0.44
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	14	0.44
(1,743)	1:12:A:VAL:HG21	1:13:A:GLY:H	16	0.44
(1,743)	1:12:A:VAL:HG22	1:13:A:GLY:H	16	0.44
(1,743)	1:12:A:VAL:HG23	1:13:A:GLY:H	16	0.44
(1,743)	1:12:A:VAL:HG21	1:13:A:GLY:H	19	0.44
(1,743)	1:12:A:VAL:HG22	1:13:A:GLY:H	19	0.44
(1,743)	1:12:A:VAL:HG23	1:13:A:GLY:H	19	0.44
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	10	0.44
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	10	0.44
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	10	0.44
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	11	0.44
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	11	0.44
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	11	0.44
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	1	0.44
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	1	0.44
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	1	0.44
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	1	0.44
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	1	0.44
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	1	0.44
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	18	0.44
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	18	0.44
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	18	0.44
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	18	0.44
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	18	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	9	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	9	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	9	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	9	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	9	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	9	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	17	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	17	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	17	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	17	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	17	0.44
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	17	0.44
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG11	14	0.44
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG12	14	0.44
(1,714)	1:12:A:VAL:HA	1:12:A:VAL:HG13	14	0.44
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	18	0.44
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	18	0.44
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	18	0.44
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	4	0.44
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	4	0.44
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	4	0.44
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	13	0.44
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	13	0.44
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	13	0.44
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	6	0.44
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	6	0.44
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	6	0.44
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	5	0.44
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	5	0.44
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	17	0.44
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	17	0.44
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	18	0.44
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	18	0.44
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	4	0.44
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	4	0.44
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	4	0.44
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	4	0.44
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	8	0.44
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	20	0.44
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	6	0.44
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	6	0.44
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	6	0.44
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	6	0.44
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	6	0.44
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	14	0.44
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	14	0.44
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	4	0.44
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	1	0.44
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	8	0.44
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	1	0.44
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	8	0.44
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	2	0.44
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	7	0.44
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	10	0.44
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	17	0.44
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	20	0.44
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	9	0.44
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	19	0.44
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	19	0.44
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	19	0.44
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	14	0.44
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	13	0.44
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	15	0.44
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	18	0.44
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	5	0.44
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	5	0.44
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	14	0.44
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	14	0.44
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	14	0.44
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	6	0.44
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	12	0.44
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	18	0.44
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	6	0.44
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	6	0.44
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	6	0.44
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	6	0.44
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	5	0.44
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	10	0.44
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	15	0.44
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	18	0.44
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	4	0.44
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:74:A:LEU:H	1:74:A:LEU:HB2	2	0.44
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	13	0.44
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	13	0.44
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	18	0.44
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	1	0.44
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	19	0.44
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	8	0.44
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	11	0.44
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	10	0.44
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	15	0.44
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	18	0.44
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	18	0.44
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	18	0.44
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	8	0.44
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	16	0.44
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	8	0.44
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	20	0.44
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	8	0.44
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	12	0.44
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	20	0.44
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	13	0.44
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	13	0.44
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	10	0.44
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	10	0.44
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	20	0.44
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	20	0.44
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	20	0.44
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	20	0.44
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	20	0.44
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	2	0.43
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	2	0.43
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	2	0.43
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	2	0.43
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	2	0.43
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	2	0.43
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	2	0.43
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	2	0.43
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	2	0.43
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	5	0.43
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	5	0.43
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	5	0.43
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	5	0.43
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	5	0.43
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	12	0.43
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	12	0.43
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD2	17	0.43
(1,1459)	1:35:A:ARG:HB3	1:35:A:ARG:HD3	17	0.43
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	13	0.43
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	13	0.43
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	13	0.43
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	13	0.43
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	10	0.43
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	10	0.43
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	20	0.43
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	20	0.43
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD2	11	0.43
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD3	11	0.43
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD2	11	0.43
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD3	11	0.43
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	7	0.43
(1,1445)	1:73:A:GLU:HG3	1:74:A:LEU:HA	20	0.43
(1,1416)	1:41:A:LEU:HD21	1:48:A:ASN:HA	19	0.43
(1,1416)	1:41:A:LEU:HD22	1:48:A:ASN:HA	19	0.43
(1,1416)	1:41:A:LEU:HD23	1:48:A:ASN:HA	19	0.43
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	6	0.43
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	16	0.43
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	12	0.43
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	19	0.43
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	20	0.43
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	13	0.43
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	12	0.43
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	14	0.43
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	19	0.43
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	11	0.43
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	18	0.43
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	6	0.43
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB2	20	0.43
(1,1167)	1:5:A:ASN:H	1:5:A:ASN:HB3	20	0.43
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	11	0.43
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	2	0.43
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	4	0.43
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	6	0.43
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	17	0.43
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	20	0.43
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	10	0.43
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	10	0.43
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	10	0.43
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	11	0.43
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	11	0.43
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	11	0.43
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	15	0.43
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	5	0.43
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	9	0.43
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	9	0.43
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	18	0.43
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	17	0.43
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	17	0.43
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	17	0.43
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	11	0.43
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	3	0.43
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	10	0.43
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	12	0.43
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	14	0.43
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	14	0.43
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	12	0.43
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	12	0.43
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	18	0.43
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	18	0.43
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	18	0.43
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	18	0.43
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	18	0.43
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	18	0.43
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	12	0.43
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	12	0.43
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	7	0.43
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	7	0.43
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	7	0.43
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	7	0.43
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	7	0.43
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	7	0.43
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	8	0.43
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	8	0.43
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	16	0.43
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	16	0.43
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	5	0.43
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	5	0.43
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	5	0.43
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	17	0.43
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	17	0.43
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	17	0.43
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	13	0.43
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	13	0.43
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	13	0.43
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	13	0.43
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	13	0.43
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	13	0.43
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	13	0.43
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	13	0.43
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	13	0.43
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	18	0.43
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	18	0.43
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	18	0.43
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	18	0.43
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	18	0.43
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	18	0.43
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	18	0.43
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	18	0.43
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	18	0.43
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	2	0.43
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	2	0.43
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	2	0.43
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	6	0.43
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	6	0.43
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	6	0.43
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	15	0.43
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	15	0.43
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	15	0.43
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	14	0.43
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	14	0.43
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	14	0.43
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	15	0.43
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	15	0.43
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	15	0.43
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD1	7	0.43
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD2	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD1	7	0.43
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD2	7	0.43
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD1	7	0.43
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD2	7	0.43
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	20	0.43
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	20	0.43
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	20	0.43
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	1	0.43
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	1	0.43
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	1	0.43
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	3	0.43
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	3	0.43
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	3	0.43
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	11	0.43
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	11	0.43
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	11	0.43
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	11	0.43
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	11	0.43
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	11	0.43
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	11	0.43
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	11	0.43
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	11	0.43
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	15	0.43
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	15	0.43
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	15	0.43
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	16	0.43
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	16	0.43
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	16	0.43
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	4	0.43
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	4	0.43
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	4	0.43
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	7	0.43
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	7	0.43
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	7	0.43
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	12	0.43
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	12	0.43
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	12	0.43
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	13	0.43
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	13	0.43
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	13	0.43
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	13	0.43
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	13	0.43
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	13	0.43
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	13	0.43
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	13	0.43
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	15	0.43
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	15	0.43
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	15	0.43
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	15	0.43
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	15	0.43
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	15	0.43
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	12	0.43
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	12	0.43
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	12	0.43
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	8	0.43
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	8	0.43
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	8	0.43
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	16	0.43
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	16	0.43
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	16	0.43
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	16	0.43
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	16	0.43
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	16	0.43
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	16	0.43
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	16	0.43
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	16	0.43
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	5	0.43
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	5	0.43
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	5	0.43
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	9	0.43
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	9	0.43
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	9	0.43
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	8	0.43
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	8	0.43
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	8	0.43
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	7	0.43
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	7	0.43
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	6	0.43
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	6	0.43
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	6	0.43
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	20	0.43
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	20	0.43
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	20	0.43
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	16	0.43
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	16	0.43
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	16	0.43
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	5	0.43
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	20	0.43
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	20	0.43
(1,519)	1:37:A:ILE:HG12	1:38:A:GLU:H	3	0.43
(1,519)	1:37:A:ILE:HG13	1:38:A:GLU:H	3	0.43
(1,519)	1:37:A:ILE:HG12	1:38:A:GLU:H	11	0.43
(1,519)	1:37:A:ILE:HG13	1:38:A:GLU:H	11	0.43
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	13	0.43
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	13	0.43
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	18	0.43
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	17	0.43
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	11	0.43
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	12	0.43
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	18	0.43
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	14	0.43
(1,466)	1:35:A:ARG:HB3	1:36:A:ASN:H	17	0.43
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	15	0.43
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	8	0.43
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	8	0.43
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	2	0.43
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	2	0.43
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	2	0.43
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	2	0.43
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	19	0.43
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	2	0.43
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	17	0.43
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	9	0.43
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	4	0.43
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	15	0.43
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	16	0.43
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	18	0.43
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	9	0.43
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	10	0.43
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	20	0.43
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	20	0.43
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	20	0.43
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	13	0.43
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	5	0.43
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	1	0.43
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	4	0.43
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	9	0.43
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	9	0.43
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	17	0.43
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	7	0.43
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	17	0.43
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	20	0.43
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	19	0.43
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	6	0.43
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	3	0.43
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	3	0.43
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	19	0.43
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	19	0.43
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	16	0.43
(1,245)	1:16:A:ASP:H	1:16:A:ASP:HB3	9	0.43
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	3	0.43
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	8	0.43
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	4	0.43
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	4	0.43
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	4	0.43
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD21	6	0.43
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD22	6	0.43
(1,236)	1:10:A:LEU:HB3	1:10:A:LEU:HD23	6	0.43
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD2	10	0.43
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD3	10	0.43
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	8	0.43
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	8	0.43
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	18	0.43
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	18	0.43
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	1	0.43
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	6	0.43
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	6	0.43
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	6	0.43
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	19	0.43
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	19	0.43
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	19	0.43
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	20	0.43
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	20	0.43
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	13	0.43
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	8	0.43
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	10	0.43
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	12	0.43
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	10	0.43
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	20	0.43
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	5	0.43
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	6	0.43
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	16	0.43
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	19	0.43
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	19	0.43
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	5	0.43
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	5	0.43
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	7	0.43
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	7	0.43
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	10	0.43
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	10	0.43
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	15	0.43
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	15	0.43
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	4	0.43
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	4	0.43
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	4	0.43
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	4	0.43
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	7	0.43
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	12	0.43
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	3	0.43
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	5	0.43
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	8	0.43
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	19	0.43
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	6	0.43
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	14	0.43
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	17	0.43
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	17	0.43
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	12	0.43
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	12	0.43
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	2	0.43
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	2	0.43
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	3	0.43
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	3	0.43
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	3	0.43
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	12	0.43
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	12	0.43
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	2	0.42
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	2	0.42
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	11	0.42
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	11	0.42
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	11	0.42
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	11	0.42
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	7	0.42
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	7	0.42
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	7	0.42
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	7	0.42
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	7	0.42
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	7	0.42
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	7	0.42
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	7	0.42
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	7	0.42
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	20	0.42
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	20	0.42
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	20	0.42
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	20	0.42
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	20	0.42
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	20	0.42
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	14	0.42
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	14	0.42
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	14	0.42
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	14	0.42
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	14	0.42
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	14	0.42
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	20	0.42
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	20	0.42
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	20	0.42
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	20	0.42
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	20	0.42
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	20	0.42
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	9	0.42
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	9	0.42
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	19	0.42
(1,1391)	1:11:A:PHE:HB2	1:84:A:SER:HA	9	0.42
(1,1391)	1:11:A:PHE:HB3	1:84:A:SER:HA	9	0.42
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	14	0.42
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	14	0.42
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	19	0.42
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	9	0.42
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	10	0.42
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	19	0.42
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	6	0.42
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	6	0.42
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	9	0.42
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	9	0.42
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	14	0.42
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	14	0.42
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	4	0.42
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	10	0.42
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	11	0.42
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	4	0.42
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	5	0.42
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	8	0.42
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	2	0.42
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	2	0.42
(1,1214)	1:2:A:SER:H	1:3:A:ASP:H	4	0.42
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	15	0.42
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	3	0.42
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	6	0.42
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	9	0.42
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	13	0.42
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	12	0.42
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	11	0.42
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	12	0.42
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	10	0.42
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	10	0.42
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	15	0.42
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	15	0.42
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	19	0.42
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	19	0.42
(1,1098)	1:29:A:SER:H	1:30:A:SER:H	10	0.42
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	14	0.42
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	16	0.42
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	16	0.42
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	1	0.42
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	1	0.42
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	18	0.42
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	9	0.42
(1,1047)	1:36:A:ASN:HA	1:37:A:ILE:H	10	0.42
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	7	0.42
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	12	0.42
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	12	0.42
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	6	0.42
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	6	0.42
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	6	0.42
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	17	0.42
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	17	0.42
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	17	0.42
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	14	0.42
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	5	0.42
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	17	0.42
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	3	0.42
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	18	0.42
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	19	0.42
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	10	0.42
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	10	0.42
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	10	0.42
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	2	0.42
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	2	0.42
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	8	0.42
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	8	0.42
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	15	0.42
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	15	0.42
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	12	0.42
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	12	0.42
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	1	0.42
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	1	0.42
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	1	0.42
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	8	0.42
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	8	0.42
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	8	0.42
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	15	0.42
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	15	0.42
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	15	0.42
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	8	0.42
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	8	0.42
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	8	0.42
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	14	0.42
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	14	0.42
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	14	0.42
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	2	0.42
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	2	0.42
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	7	0.42
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	7	0.42
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	7	0.42
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	13	0.42
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	13	0.42
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	13	0.42
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	8	0.42
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	8	0.42
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	8	0.42
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	6	0.42
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	6	0.42
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	6	0.42
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	4	0.42
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	4	0.42
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	4	0.42
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	5	0.42
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	5	0.42
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	5	0.42
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	20	0.42
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	20	0.42
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	20	0.42
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	7	0.42
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	7	0.42
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	7	0.42
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD1	1	0.42
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD2	1	0.42
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD1	1	0.42
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD2	1	0.42
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD1	1	0.42
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD2	1	0.42
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	10	0.42
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	10	0.42
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	10	0.42
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	10	0.42
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	10	0.42
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	10	0.42
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	10	0.42
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	10	0.42
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	10	0.42
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	19	0.42
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	19	0.42
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB1	16	0.42
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB2	16	0.42
(1,793)	1:9:A:ILE:H	1:62:A:ALA:HB3	16	0.42
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	20	0.42
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	20	0.42
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	20	0.42
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	18	0.42
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	18	0.42
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	18	0.42
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	10	0.42
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	10	0.42
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	10	0.42
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	13	0.42
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	13	0.42
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	13	0.42
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	20	0.42
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	20	0.42
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	20	0.42
(1,743)	1:12:A:VAL:HG21	1:13:A:GLY:H	8	0.42
(1,743)	1:12:A:VAL:HG22	1:13:A:GLY:H	8	0.42
(1,743)	1:12:A:VAL:HG23	1:13:A:GLY:H	8	0.42
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	12	0.42
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	12	0.42
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	12	0.42
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	5	0.42
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	5	0.42
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	5	0.42
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	9	0.42
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	9	0.42
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	9	0.42
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	4	0.42
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	4	0.42
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	4	0.42
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	4	0.42
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	4	0.42
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	4	0.42
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	13	0.42
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	13	0.42
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	13	0.42
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	13	0.42
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	13	0.42
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	4	0.42
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	4	0.42
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	4	0.42
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	16	0.42
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	16	0.42
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	16	0.42
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	3	0.42
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	3	0.42
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	3	0.42
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	20	0.42
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	20	0.42
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	20	0.42
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	5	0.42
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	5	0.42
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	5	0.42
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	18	0.42
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	18	0.42
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	18	0.42
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	6	0.42
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	6	0.42
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	6	0.42
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	6	0.42
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	2	0.42
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	2	0.42
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	2	0.42
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB1	5	0.42
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB2	5	0.42
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB3	5	0.42
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB1	5	0.42
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB2	5	0.42
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB3	5	0.42
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB1	5	0.42
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB2	5	0.42
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB3	5	0.42
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	16	0.42
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	19	0.42
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	9	0.42
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	9	0.42
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	20	0.42
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	6	0.42
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	6	0.42
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	18	0.42
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	18	0.42
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	13	0.42
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	4	0.42
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	16	0.42
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	16	0.42
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	14	0.42
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	16	0.42
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	11	0.42
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	12	0.42
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	3	0.42
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	9	0.42
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	9	0.42
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	1	0.42
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	5	0.42
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	7	0.42
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	13	0.42
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	2	0.42
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	5	0.42
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	11	0.42
(1,414)	1:12:A:VAL:HG21	1:54:A:VAL:HB	14	0.42
(1,414)	1:12:A:VAL:HG22	1:54:A:VAL:HB	14	0.42
(1,414)	1:12:A:VAL:HG23	1:54:A:VAL:HB	14	0.42
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	20	0.42
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	20	0.42
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	7	0.42
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	2	0.42
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG21	18	0.42
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG22	18	0.42
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG23	18	0.42
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	14	0.42
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	5	0.42
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	7	0.42
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	11	0.42
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	15	0.42
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	9	0.42
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	9	0.42
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	12	0.42
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	6	0.42
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	10	0.42
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	10	0.42
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	11	0.42
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	13	0.42
(1,315)	1:25:A:TYR:HE1	1:34:A:ILE:HB	13	0.42
(1,315)	1:25:A:TYR:HE2	1:34:A:ILE:HB	13	0.42
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	17	0.42
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	17	0.42
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	9	0.42
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	18	0.42
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	5	0.42
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	5	0.42
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	5	0.42
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	3	0.42
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	2	0.42
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	2	0.42
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	2	0.42
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	2	0.42
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE2	15	0.42
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE3	15	0.42
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	5	0.42
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	1	0.42
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	7	0.42
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	7	0.42
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	13	0.42
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	13	0.42
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	15	0.42
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	15	0.42
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	12	0.42
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	12	0.42
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	12	0.42
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	3	0.42
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	16	0.42
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	16	0.42
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	16	0.42
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	3	0.42
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	5	0.42
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	4	0.42
(1,157)	1:55:A:GLU:HA	1:56:A:TYR:H	19	0.42
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	2	0.42
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	2	0.42
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	19	0.42
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	1	0.42
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	19	0.42
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	9	0.42
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	9	0.42
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD2	2	0.42
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD3	2	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	1	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	1	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	3	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	3	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	6	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	6	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	8	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	8	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	9	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	9	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	11	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	11	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	12	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	12	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	16	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	16	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	18	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	18	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	19	0.42
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	19	0.42
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	5	0.42
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	5	0.42
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	5	0.42
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	2	0.42
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	11	0.42
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	18	0.42
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	6	0.42
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	14	0.42
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	15	0.42
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	3	0.42
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	3	0.42
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	4	0.42
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	5	0.42
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	8	0.42
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	12	0.42
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	17	0.42
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	19	0.42
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	1	0.42
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	3	0.42
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	5	0.42
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	9	0.42
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	18	0.42
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	19	0.42
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	15	0.42
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	15	0.42
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	11	0.42
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	11	0.42
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	14	0.42
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	14	0.42
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	14	0.42
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	18	0.42
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	18	0.42
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	18	0.42
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	19	0.42
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	19	0.42
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	19	0.42
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	7	0.42
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	4	0.42
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	15	0.41
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	15	0.41
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	15	0.41
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	7	0.41
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	12	0.41
(1,1531)	1:13:A:GLY:H	1:80:A:HIS:HB2	15	0.41
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	2	0.41
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	2	0.41
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	2	0.41
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	9	0.41
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	9	0.41
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	9	0.41
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	9	0.41
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	9	0.41
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	9	0.41
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	9	0.41
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	9	0.41
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	10	0.41
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	10	0.41
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	10	0.41
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	10	0.41
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	10	0.41
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	10	0.41
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	10	0.41
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	10	0.41
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	10	0.41
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	20	0.41
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	20	0.41
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	20	0.41
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	20	0.41
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	20	0.41
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	20	0.41
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	20	0.41
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	20	0.41
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	20	0.41
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	8	0.41
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	8	0.41
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	8	0.41
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	8	0.41
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	8	0.41
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	8	0.41
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	8	0.41
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	8	0.41
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	8	0.41
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	2	0.41
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	2	0.41
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	2	0.41
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	2	0.41
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	5	0.41
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	5	0.41
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	20	0.41
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	20	0.41
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	7	0.41
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	7	0.41
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	7	0.41
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	20	0.41
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	20	0.41
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	6	0.41
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	6	0.41
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	9	0.41
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	5	0.41
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	16	0.41
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	7	0.41
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	10	0.41
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	4	0.41
(1,1316)	1:18:A:THR:H	1:18:A:THR:HB	8	0.41
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	5	0.41
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	14	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	3	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	3	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	3	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	4	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	4	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	4	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	12	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	12	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	12	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	16	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	16	0.41
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	16	0.41
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	1	0.41
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	15	0.41
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	19	0.41
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	3	0.41
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	13	0.41
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	19	0.41
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	10	0.41
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	2	0.41
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	15	0.41
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	17	0.41
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	20	0.41
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	4	0.41
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	1	0.41
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	15	0.41
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	17	0.41
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	6	0.41
(1,1171)	1:83:A:TYR:HD1	1:84:A:SER:H	13	0.41
(1,1171)	1:83:A:TYR:HD2	1:84:A:SER:H	13	0.41
(1,1137)	1:57:A:VAL:H	1:58:A:GLU:H	14	0.41
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	11	0.41
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	1	0.41
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	5	0.41
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	11	0.41
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	13	0.41
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	16	0.41
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	11	0.41
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	11	0.41
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	11	0.41
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	5	0.41
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	5	0.41
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	16	0.41
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	16	0.41
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	18	0.41
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	20	0.41
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	7	0.41
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	17	0.41
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	11	0.41
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	2	0.41
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	17	0.41
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	17	0.41
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	17	0.41
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	4	0.41
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	19	0.41
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	4	0.41
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	16	0.41
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	19	0.41
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	20	0.41
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	20	0.41
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	20	0.41
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	13	0.41
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	13	0.41
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	14	0.41
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	14	0.41
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	20	0.41
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	20	0.41
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	5	0.41
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	5	0.41
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	5	0.41
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	5	0.41
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	11	0.41
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	11	0.41
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	5	0.41
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	5	0.41
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	5	0.41
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	20	0.41
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	20	0.41
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	20	0.41
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	20	0.41
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	20	0.41
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	20	0.41
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	20	0.41
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	20	0.41
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	20	0.41
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	16	0.41
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	16	0.41
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	16	0.41
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	5	0.41
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	5	0.41
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	5	0.41
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	3	0.41
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	3	0.41
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	3	0.41
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	3	0.41
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	3	0.41
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	3	0.41
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	3	0.41
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	3	0.41
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	3	0.41
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	2	0.41
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	2	0.41
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	2	0.41
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	7	0.41
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	7	0.41
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	7	0.41
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	16	0.41
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	16	0.41
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	16	0.41
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	12	0.41
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	12	0.41
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	12	0.41
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	12	0.41
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	12	0.41
(1,826)	1:34:A:ILE:HG21	1:36:A:ASN:H	6	0.41
(1,826)	1:34:A:ILE:HG22	1:36:A:ASN:H	6	0.41
(1,826)	1:34:A:ILE:HG23	1:36:A:ASN:H	6	0.41
(1,812)	1:9:A:ILE:HG21	1:10:A:LEU:H	9	0.41
(1,812)	1:9:A:ILE:HG22	1:10:A:LEU:H	9	0.41
(1,812)	1:9:A:ILE:HG23	1:10:A:LEU:H	9	0.41
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	12	0.41
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	12	0.41
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	12	0.41
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	12	0.41
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	12	0.41
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	12	0.41
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	12	0.41
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	12	0.41
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	12	0.41
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	8	0.41
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	8	0.41
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	8	0.41
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	16	0.41
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	16	0.41
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	16	0.41
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	16	0.41
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	16	0.41
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	16	0.41
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	16	0.41
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	16	0.41
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	16	0.41
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	17	0.41
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	17	0.41
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	17	0.41
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	17	0.41
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	17	0.41
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	17	0.41
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	17	0.41
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	17	0.41
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	17	0.41
(1,743)	1:12:A:VAL:HG21	1:13:A:GLY:H	10	0.41
(1,743)	1:12:A:VAL:HG22	1:13:A:GLY:H	10	0.41
(1,743)	1:12:A:VAL:HG23	1:13:A:GLY:H	10	0.41
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	2	0.41
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	2	0.41
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	18	0.41
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	18	0.41
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	18	0.41
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	2	0.41
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	2	0.41
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	2	0.41
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	2	0.41
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	2	0.41
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	2	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	8	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	8	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	8	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	8	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	8	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	8	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	18	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	18	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	18	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	18	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	18	0.41
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	18	0.41
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	14	0.41
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	14	0.41
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	14	0.41
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	2	0.41
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	2	0.41
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	2	0.41
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	11	0.41
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	11	0.41
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	11	0.41
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	19	0.41
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	19	0.41
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	19	0.41
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	15	0.41
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	15	0.41
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	15	0.41
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	16	0.41
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	16	0.41
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	16	0.41
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	19	0.41
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	19	0.41
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	10	0.41
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	10	0.41
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	13	0.41
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	13	0.41
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	13	0.41
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	19	0.41
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	19	0.41
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	19	0.41
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	19	0.41
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	20	0.41
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	20	0.41
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	20	0.41
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	14	0.41
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	14	0.41
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	14	0.41
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	14	0.41
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	14	0.41
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	14	0.41
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	14	0.41
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	14	0.41
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	14	0.41
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	11	0.41
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	13	0.41
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	13	0.41
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	13	0.41
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	13	0.41
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	13	0.41
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	13	0.41
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	12	0.41
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	12	0.41
(1,509)	1:46:A:LYS:HB3	1:47:A:LYS:H	1	0.41
(1,509)	1:46:A:LYS:HB3	1:47:A:LYS:H	8	0.41
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	1	0.41
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	17	0.41
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	3	0.41
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	19	0.41
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	2	0.41
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	5	0.41
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	18	0.41
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	17	0.41
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	6	0.41
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	17	0.41
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	17	0.41
(1,450)	1:43:A:MET:H	1:43:A:MET:HB2	14	0.41
(1,450)	1:43:A:MET:H	1:43:A:MET:HB3	14	0.41
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	13	0.41
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	15	0.41
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	6	0.41
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	1	0.41
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	13	0.41
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	17	0.41
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	13	0.41
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	9	0.41
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	1	0.41
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	10	0.41
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	12	0.41
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	2	0.41
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	2	0.41
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	2	0.41
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	4	0.41
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	10	0.41
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	18	0.41
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	14	0.41
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	15	0.41
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	18	0.41
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	12	0.41
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	12	0.41
(1,319)	1:61:A:ASP:H	1:61:A:ASP:HB2	15	0.41
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	12	0.41
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	12	0.41
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	15	0.41
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	19	0.41
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	19	0.41
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	19	0.41
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	2	0.41
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	9	0.41
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	11	0.41
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	15	0.41
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	17	0.41
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	5	0.41
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	14	0.41
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	16	0.41
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	16	0.41
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	16	0.41
(1,249)	1:36:A:ASN:HB3	1:55:A:GLU:HB3	6	0.41
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	14	0.41
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	12	0.41
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	12	0.41
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	16	0.41
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	16	0.41
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	19	0.41
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	19	0.41
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	20	0.41
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	14	0.41
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	19	0.41
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	9	0.41
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	17	0.41
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	16	0.41
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	3	0.41
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	18	0.41
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	5	0.41
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	18	0.41
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	11	0.41
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	2	0.41
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	2	0.41
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	13	0.41
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	13	0.41
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	14	0.41
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	14	0.41
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	17	0.41
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	17	0.41
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	20	0.41
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	20	0.41
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	3	0.41
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	3	0.41
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	3	0.41
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	18	0.41
(1,84)	1:83:A:TYR:HA	1:84:A:SER:H	20	0.41
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	6	0.41
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	14	0.41
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	20	0.41
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	1	0.41
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	15	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	1	0.41
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	20	0.41
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	2	0.41
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	13	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	4	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	4	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	4	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	9	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	9	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	9	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	11	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	11	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	11	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	16	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	16	0.41
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	16	0.41
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	12	0.4
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	12	0.4
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	5	0.4
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	5	0.4
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	5	0.4
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	4	0.4
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	11	0.4
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	11	0.4
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	11	0.4
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	4	0.4
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	4	0.4
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	4	0.4
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	4	0.4
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	4	0.4
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	4	0.4
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	3	0.4
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	3	0.4
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	3	0.4
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	3	0.4
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	3	0.4
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	3	0.4
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	11	0.4
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	11	0.4
(1,1400)	1:1:A:MET:HA	1:1:A:MET:HG2	6	0.4
(1,1400)	1:1:A:MET:HA	1:1:A:MET:HG2	14	0.4
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	2	0.4
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	2	0.4
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	2	0.4
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	2	0.4
(1,1347)	1:76:A:GLY:H	1:77:A:LYS:HB2	9	0.4
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	17	0.4
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	6	0.4
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	10	0.4
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	11	0.4
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	14	0.4
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG12	2	0.4
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG13	2	0.4
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	15	0.4
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	17	0.4
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	11	0.4
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	16	0.4
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	18	0.4
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	18	0.4
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	3	0.4
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	18	0.4
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	20	0.4
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	6	0.4
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	9	0.4
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	11	0.4
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	5	0.4
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	8	0.4
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	1	0.4
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	15	0.4
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	20	0.4
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	4	0.4
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	4	0.4
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	4	0.4
(1,1190)	1:41:A:LEU:HD11	1:48:A:ASN:H	9	0.4
(1,1190)	1:41:A:LEU:HD12	1:48:A:ASN:H	9	0.4
(1,1190)	1:41:A:LEU:HD13	1:48:A:ASN:H	9	0.4
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	3	0.4
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	1	0.4
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	11	0.4
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	11	0.4
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	11	0.4
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	7	0.4
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	10	0.4
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	10	0.4
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	10	0.4
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	3	0.4
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	20	0.4
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	3	0.4
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	3	0.4
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	3	0.4
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	5	0.4
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	5	0.4
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	5	0.4
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	7	0.4
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	7	0.4
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	7	0.4
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	2	0.4
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	2	0.4
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	17	0.4
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	9	0.4
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	20	0.4
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	15	0.4
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	15	0.4
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	1	0.4
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	12	0.4
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	11	0.4
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	11	0.4
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	11	0.4
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	2	0.4
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	18	0.4
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	1	0.4
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	13	0.4
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	15	0.4
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	7	0.4
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	14	0.4
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	18	0.4
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	9	0.4
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	9	0.4
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	1	0.4
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	1	0.4
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	7	0.4
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	7	0.4
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	14	0.4
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	18	0.4
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	18	0.4
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	18	0.4
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	19	0.4
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	19	0.4
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	19	0.4
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	15	0.4
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	15	0.4
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	15	0.4
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	19	0.4
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	19	0.4
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	19	0.4
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	1	0.4
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	1	0.4
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	1	0.4
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	12	0.4
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	12	0.4
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	12	0.4
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	19	0.4
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	19	0.4
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	19	0.4
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	4	0.4
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	4	0.4
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	4	0.4
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	4	0.4
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	4	0.4
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	4	0.4
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	19	0.4
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	19	0.4
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	19	0.4
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	19	0.4
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	19	0.4
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	19	0.4
(1,841)	1:27:A:ILE:HG21	1:28:A:PHE:HA	10	0.4
(1,841)	1:27:A:ILE:HG22	1:28:A:PHE:HA	10	0.4
(1,841)	1:27:A:ILE:HG23	1:28:A:PHE:HA	10	0.4
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	1	0.4
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	1	0.4
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	1	0.4
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	3	0.4
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	3	0.4
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	11	0.4
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	11	0.4
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	11	0.4
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD1	3	0.4
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD2	3	0.4
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD1	3	0.4
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD2	3	0.4
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD1	3	0.4
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD2	3	0.4
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	13	0.4
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	13	0.4
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	13	0.4
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	15	0.4
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	15	0.4
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	15	0.4
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	4	0.4
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	4	0.4
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	4	0.4
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	6	0.4
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	6	0.4
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	6	0.4
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	20	0.4
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	20	0.4
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	20	0.4
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	20	0.4
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	20	0.4
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	20	0.4
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	20	0.4
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	20	0.4
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	20	0.4
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	3	0.4
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	3	0.4
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	3	0.4
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	3	0.4
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	3	0.4
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	3	0.4
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	19	0.4
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	19	0.4
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	19	0.4
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	20	0.4
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	20	0.4
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	7	0.4
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	7	0.4
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	7	0.4
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	7	0.4
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	7	0.4
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	7	0.4
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	19	0.4
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	19	0.4
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	19	0.4
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	19	0.4
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	19	0.4
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	19	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	1	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	1	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	1	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	1	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	1	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	1	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	2	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	2	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	2	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	2	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	2	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	2	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	6	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	6	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	6	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	6	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	6	0.4
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	6	0.4
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	11	0.4
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	11	0.4
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	11	0.4
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	16	0.4
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	16	0.4
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	16	0.4
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	6	0.4
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	6	0.4
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	6	0.4
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	6	0.4
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	6	0.4
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	6	0.4
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	6	0.4
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	6	0.4
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	6	0.4
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	6	0.4
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	6	0.4
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	15	0.4
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	15	0.4
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	15	0.4
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	17	0.4
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	17	0.4
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	17	0.4
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	20	0.4
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	20	0.4
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	20	0.4
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	20	0.4
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	20	0.4
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	20	0.4
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	1	0.4
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	1	0.4
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	1	0.4
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	1	0.4
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	1	0.4
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	1	0.4
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	1	0.4
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	1	0.4
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	1	0.4
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	11	0.4
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	11	0.4
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	11	0.4
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	4	0.4
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	4	0.4
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	4	0.4
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	10	0.4
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	10	0.4
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	18	0.4
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	18	0.4
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	3	0.4
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	3	0.4
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	4	0.4
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	4	0.4
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	1	0.4
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	1	0.4
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	8	0.4
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	8	0.4
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	8	0.4
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	2	0.4
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	2	0.4
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	2	0.4
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	11	0.4
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	11	0.4
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	11	0.4
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	11	0.4
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	12	0.4
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	12	0.4
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	12	0.4
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	12	0.4
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	15	0.4
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	15	0.4
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	15	0.4
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	10	0.4
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	10	0.4
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	10	0.4
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	13	0.4
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	13	0.4
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	13	0.4
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	14	0.4
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	14	0.4
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	14	0.4
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	1	0.4
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	1	0.4
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	1	0.4
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	1	0.4
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	1	0.4
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	1	0.4
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	10	0.4
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	10	0.4
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	10	0.4
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	10	0.4
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	10	0.4
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	10	0.4
(1,509)	1:46:A:LYS:HB3	1:47:A:LYS:H	2	0.4
(1,502)	1:64:A:HIS:H	1:64:A:HIS:HB2	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	13	0.4
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	9	0.4
(1,471)	1:80:A:HIS:H	1:80:A:HIS:HB2	15	0.4
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	18	0.4
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	6	0.4
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	7	0.4
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	8	0.4
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	9	0.4
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	2	0.4
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	2	0.4
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	16	0.4
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	6	0.4
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	4	0.4
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	12	0.4
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	12	0.4
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	9	0.4
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	1	0.4
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	9	0.4
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	17	0.4
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	3	0.4
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	7	0.4
(1,337)	1:83:A:TYR:H	1:83:A:TYR:HB2	5	0.4
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	18	0.4
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	18	0.4
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	14	0.4
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB2	17	0.4
(1,294)	1:33:A:ASP:H	1:33:A:ASP:HB3	17	0.4
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	4	0.4
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	4	0.4
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	13	0.4
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	7	0.4
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	9	0.4
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	19	0.4
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	19	0.4
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	19	0.4
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	10	0.4
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	10	0.4
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	10	0.4
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	14	0.4
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	4	0.4
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	5	0.4
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	17	0.4
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	15	0.4
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	3	0.4
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	17	0.4
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	17	0.4
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	17	0.4
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	13	0.4
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	14	0.4
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	13	0.4
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	7	0.4
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	10	0.4
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB2	4	0.4
(1,100)	1:17:A:GLU:HA	1:17:A:GLU:HB3	4	0.4
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	3	0.4
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	5	0.4
(1,86)	1:56:A:TYR:HA	1:57:A:VAL:H	13	0.4
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	13	0.4
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	20	0.4
(1,77)	1:34:A:ILE:HA	1:35:A:ARG:H	17	0.4
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	14	0.4
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	18	0.4
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	4	0.4
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	17	0.4
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	19	0.4
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	19	0.4
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	19	0.4
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	12	0.4
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	17	0.4
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	18	0.4
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	16	0.4
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG21	8	0.4
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG22	8	0.4
(1,18)	1:44:A:THR:HA	1:44:A:THR:HG23	8	0.4
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	7	0.39
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	7	0.39
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	7	0.39
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	13	0.39
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	13	0.39
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	13	0.39
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	9	0.39
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	19	0.39
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	19	0.39
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	8	0.39
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	8	0.39
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	8	0.39
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	18	0.39
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	18	0.39
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	18	0.39
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	16	0.39
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	16	0.39
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	16	0.39
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	16	0.39
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	16	0.39
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	16	0.39
(1,1445)	1:73:A:GLU:HG3	1:74:A:LEU:HA	7	0.39
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD21	19	0.39
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD22	19	0.39
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD23	19	0.39
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	4	0.39
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	15	0.39
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	20	0.39
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	20	0.39
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	4	0.39
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	6	0.39
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	16	0.39
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	10	0.39
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	7	0.39
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	16	0.39
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	8	0.39
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	8	0.39
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	10	0.39
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	14	0.39
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	16	0.39
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	19	0.39
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	5	0.39
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	16	0.39
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	13	0.39
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	13	0.39
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	12	0.39
(1,1097)	1:28:A:PHE:H	1:29:A:SER:H	18	0.39
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	4	0.39
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	4	0.39
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	18	0.39
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	19	0.39
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	19	0.39
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	19	0.39
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	1	0.39
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	12	0.39
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	17	0.39
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	7	0.39
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	3	0.39
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	3	0.39
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	11	0.39
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	13	0.39
(1,1030)	1:24:A:LEU:H	1:25:A:TYR:H	8	0.39
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	13	0.39
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	13	0.39
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	13	0.39
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	8	0.39
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	14	0.39
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	14	0.39
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	14	0.39
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	9	0.39
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	19	0.39
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	2	0.39
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	11	0.39
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	1	0.39
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	1	0.39
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	1	0.39
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	15	0.39
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	16	0.39
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	4	0.39
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	4	0.39
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	4	0.39
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	4	0.39
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	4	0.39
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	4	0.39
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	2	0.39
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	2	0.39
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	9	0.39
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	9	0.39
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	2	0.39
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	2	0.39
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	12	0.39
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	12	0.39
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	12	0.39
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	9	0.39
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	9	0.39
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	9	0.39
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	17	0.39
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	17	0.39
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	17	0.39
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG11	17	0.39
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG12	17	0.39
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG13	17	0.39
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG11	17	0.39
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG12	17	0.39
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG13	17	0.39
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG11	17	0.39
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG12	17	0.39
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG13	17	0.39
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	2	0.39
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	2	0.39
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	2	0.39
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	4	0.39
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	4	0.39
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	4	0.39
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	4	0.39
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	4	0.39
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	4	0.39
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	4	0.39
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	4	0.39
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	4	0.39
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	11	0.39
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	11	0.39
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	11	0.39
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	16	0.39
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	16	0.39
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	16	0.39
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	1	0.39
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	1	0.39
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	1	0.39
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	12	0.39
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	12	0.39
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE1	13	0.39
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE2	13	0.39
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE1	13	0.39
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE2	13	0.39
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE1	13	0.39
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE2	13	0.39
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG21	4	0.39
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG22	4	0.39
(1,787)	1:79:A:ILE:HA	1:79:A:ILE:HG23	4	0.39
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	16	0.39
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	16	0.39
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	16	0.39
(1,762)	1:65:A:ALA:HB1	1:66:A:LEU:H	6	0.39
(1,762)	1:65:A:ALA:HB2	1:66:A:LEU:H	6	0.39
(1,762)	1:65:A:ALA:HB3	1:66:A:LEU:H	6	0.39
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	16	0.39
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	16	0.39
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	16	0.39
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG2	16	0.39
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG3	16	0.39
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG2	16	0.39
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG3	16	0.39
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG2	16	0.39
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG3	16	0.39
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	4	0.39
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	4	0.39
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	4	0.39
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	7	0.39
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	7	0.39
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	7	0.39
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	11	0.39
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	11	0.39
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	11	0.39
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	3	0.39
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	3	0.39
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	3	0.39
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	16	0.39
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	16	0.39
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	16	0.39
(1,722)	1:39:A:VAL:HG11	1:40:A:PRO:HD3	15	0.39
(1,722)	1:39:A:VAL:HG12	1:40:A:PRO:HD3	15	0.39
(1,722)	1:39:A:VAL:HG13	1:40:A:PRO:HD3	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:39:A:VAL:HG21	1:40:A:PRO:HD3	15	0.39
(1,722)	1:39:A:VAL:HG22	1:40:A:PRO:HD3	15	0.39
(1,722)	1:39:A:VAL:HG23	1:40:A:PRO:HD3	15	0.39
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	14	0.39
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	14	0.39
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	14	0.39
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	14	0.39
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	14	0.39
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	14	0.39
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	13	0.39
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	13	0.39
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	13	0.39
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	9	0.39
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	9	0.39
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	9	0.39
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	5	0.39
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	5	0.39
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	5	0.39
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	18	0.39
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	18	0.39
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	18	0.39
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	5	0.39
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	5	0.39
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	5	0.39
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	10	0.39
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	10	0.39
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	10	0.39
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	14	0.39
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	14	0.39
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	14	0.39
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	11	0.39
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	11	0.39
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	11	0.39
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	11	0.39
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	11	0.39
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	11	0.39
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	11	0.39
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	11	0.39
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	11	0.39
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	12	0.39
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	12	0.39
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	3	0.39
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	3	0.39
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	3	0.39
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	12	0.39
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	12	0.39
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	12	0.39
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	15	0.39
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	15	0.39
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	15	0.39
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	15	0.39
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	15	0.39
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	15	0.39
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	15	0.39
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	15	0.39
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	15	0.39
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	11	0.39
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	11	0.39
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	11	0.39
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	6	0.39
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	6	0.39
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	6	0.39
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	19	0.39
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	19	0.39
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	17	0.39
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	17	0.39
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	7	0.39
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	7	0.39
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	8	0.39
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	8	0.39
(1,600)	1:41:A:LEU:HD11	1:46:A:LYS:HA	4	0.39
(1,600)	1:41:A:LEU:HD12	1:46:A:LYS:HA	4	0.39
(1,600)	1:41:A:LEU:HD13	1:46:A:LYS:HA	4	0.39
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	9	0.39
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	9	0.39
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	9	0.39
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	3	0.39
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	3	0.39
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	3	0.39
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	3	0.39
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	3	0.39
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	15	0.39
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	10	0.39
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	19	0.39
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	4	0.39
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	18	0.39
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	13	0.39
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	8	0.39
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	18	0.39
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	17	0.39
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	5	0.39
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	5	0.39
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	11	0.39
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	11	0.39
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	13	0.39
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	13	0.39
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	16	0.39
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	16	0.39
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	20	0.39
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	8	0.39
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	10	0.39
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	15	0.39
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	3	0.39
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	18	0.39
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	19	0.39
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	19	0.39
(1,356)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	6	0.39
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	15	0.39
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	1	0.39
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	8	0.39
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	12	0.39
(1,341)	1:25:A:TYR:H	1:25:A:TYR:HB2	11	0.39
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	13	0.39
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	1	0.39
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	4	0.39
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	12	0.39
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	3	0.39
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	12	0.39
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	14	0.39
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	10	0.39
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	16	0.39
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	2	0.39
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	8	0.39
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	19	0.39
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE2	4	0.39
(1,259)	1:85:A:LYS:HG2	1:85:A:LYS:HE3	4	0.39
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE2	4	0.39
(1,259)	1:85:A:LYS:HG3	1:85:A:LYS:HE3	4	0.39
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	7	0.39
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	13	0.39
(1,234)	1:4:A:ASN:HD22	1:82:A:ASN:HB3	10	0.39
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	10	0.39
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	8	0.39
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	6	0.39
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	11	0.39
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	13	0.39
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	8	0.39
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	14	0.39
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	13	0.39
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	3	0.39
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	3	0.39
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	3	0.39
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	3	0.39
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	4	0.39
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	4	0.39
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	4	0.39
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	12	0.39
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	12	0.39
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	12	0.39
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	18	0.39
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	10	0.39
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	12	0.39
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	13	0.39
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	8	0.39
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	15	0.39
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	18	0.39
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	15	0.39
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	15	0.39
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	4	0.39
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	8	0.39
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	1	0.39
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	2	0.39
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	7	0.39
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	10	0.39
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	20	0.39
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	9	0.39
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	2	0.39
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	10	0.39
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	16	0.39
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	5	0.39
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	5	0.39
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	5	0.39
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	2	0.39
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	16	0.39
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	18	0.39
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	18	0.39
(1,19)	1:84:A:SER:H	1:84:A:SER:HB2	19	0.39
(1,19)	1:84:A:SER:H	1:84:A:SER:HB3	19	0.39
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	8	0.39
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	1	0.38
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	1	0.38
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	1	0.38
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	1	0.38
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	1	0.38
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	1	0.38
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	7	0.38
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	7	0.38
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	15	0.38
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	8	0.38
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	8	0.38
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	8	0.38
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	8	0.38
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	8	0.38
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	8	0.38
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	15	0.38
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	15	0.38
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	15	0.38
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	15	0.38
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	15	0.38
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	15	0.38
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	18	0.38
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	18	0.38
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	18	0.38
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	18	0.38
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	18	0.38
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	1	0.38
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	1	0.38
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	1	0.38
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	1	0.38
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	1	0.38
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	1	0.38
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	1	0.38
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	1	0.38
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	1	0.38
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	2	0.38
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	2	0.38
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	2	0.38
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	2	0.38
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	2	0.38
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	2	0.38
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	2	0.38
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	2	0.38
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	2	0.38
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	12	0.38
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	12	0.38
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	9	0.38
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	9	0.38
(1,1445)	1:73:A:GLU:HG3	1:74:A:LEU:HA	13	0.38
(1,1445)	1:73:A:GLU:HG3	1:74:A:LEU:HA	15	0.38
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	5	0.38
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	7	0.38
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	16	0.38
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	10	0.38
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	14	0.38
(1,1327)	1:42:A:ASN:HB3	1:45:A:THR:H	7	0.38
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	7	0.38
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	14	0.38
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	9	0.38
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	12	0.38
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	5	0.38
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	5	0.38
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	5	0.38
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	2	0.38
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	19	0.38
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	14	0.38
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	4	0.38
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	14	0.38
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	2	0.38
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	8	0.38
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	4	0.38
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	6	0.38
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	20	0.38
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	8	0.38
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	9	0.38
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	10	0.38
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	1	0.38
(1,1149)	1:23:A:SER:HB2	1:24:A:LEU:H	3	0.38
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	6	0.38
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	17	0.38
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	17	0.38
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	17	0.38
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	17	0.38
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	15	0.38
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	15	0.38
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	15	0.38
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	17	0.38
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	17	0.38
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	15	0.38
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	3	0.38
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	4	0.38
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	20	0.38
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	6	0.38
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	9	0.38
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	9	0.38
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	9	0.38
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	1	0.38
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	5	0.38
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	10	0.38
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	12	0.38
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	9	0.38
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	18	0.38
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	18	0.38
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	18	0.38
(1,973)	1:73:A:GLU:HG3	1:75:A:ASN:H	8	0.38
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	3	0.38
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	3	0.38
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	6	0.38
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	11	0.38
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	11	0.38
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	11	0.38
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	11	0.38
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	16	0.38
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	16	0.38
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	16	0.38
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	16	0.38
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	16	0.38
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	16	0.38
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	6	0.38
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	6	0.38
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	6	0.38
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	11	0.38
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	11	0.38
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	11	0.38
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	13	0.38
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	13	0.38
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	13	0.38
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	11	0.38
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	11	0.38
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	11	0.38
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	18	0.38
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	18	0.38
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	18	0.38
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	18	0.38
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	18	0.38
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	18	0.38
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	18	0.38
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	18	0.38
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	18	0.38
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	2	0.38
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	2	0.38
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	2	0.38
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	2	0.38
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	2	0.38
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	2	0.38
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	19	0.38
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	19	0.38
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	19	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	3	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	3	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	5	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	5	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	5	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	6	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	6	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	6	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	13	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	13	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	13	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	17	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	17	0.38
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	17	0.38
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	14	0.38
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	14	0.38
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	14	0.38
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	15	0.38
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	15	0.38
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	15	0.38
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	7	0.38
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	7	0.38
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	7	0.38
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	11	0.38
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	11	0.38
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	11	0.38
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	20	0.38
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	20	0.38
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	20	0.38
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG21	6	0.38
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG22	6	0.38
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG23	6	0.38
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	8	0.38
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	8	0.38
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	8	0.38
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	19	0.38
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	19	0.38
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	19	0.38
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	10	0.38
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	10	0.38
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	10	0.38
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	11	0.38
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	11	0.38
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	20	0.38
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	20	0.38
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	20	0.38
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	10	0.38
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	10	0.38
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	10	0.38
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	10	0.38
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	10	0.38
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	10	0.38
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	12	0.38
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	12	0.38
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	12	0.38
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	12	0.38
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	12	0.38
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	12	0.38
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	11	0.38
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	11	0.38
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	11	0.38
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	12	0.38
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	12	0.38
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	12	0.38
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	18	0.38
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	18	0.38
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	18	0.38
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	18	0.38
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	18	0.38
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	18	0.38
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	18	0.38
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	18	0.38
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	18	0.38
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	18	0.38
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	18	0.38
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	18	0.38
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	20	0.38
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	20	0.38
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	20	0.38
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	20	0.38
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	20	0.38
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	20	0.38
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	1	0.38
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	1	0.38
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	17	0.38
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	17	0.38
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	17	0.38
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	2	0.38
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	2	0.38
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	2	0.38
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	13	0.38
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	13	0.38
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	5	0.38
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	5	0.38
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	10	0.38
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	10	0.38
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	13	0.38
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	13	0.38
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	15	0.38
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	15	0.38
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	9	0.38
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	9	0.38
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	5	0.38
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	5	0.38
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	5	0.38
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	6	0.38
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	6	0.38
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	6	0.38
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	1	0.38
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	17	0.38
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	5	0.38
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	5	0.38
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	5	0.38
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	5	0.38
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	5	0.38
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	5	0.38
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	14	0.38
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	14	0.38
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	14	0.38
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	14	0.38
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	14	0.38
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	14	0.38
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	15	0.38
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	15	0.38
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	5	0.38
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	2	0.38
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	2	0.38
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	8	0.38
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	8	0.38
(1,509)	1:46:A:LYS:HB3	1:47:A:LYS:H	11	0.38
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	13	0.38
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	6	0.38
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	12	0.38
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	16	0.38
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	11	0.38
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	5	0.38
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	5	0.38
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	15	0.38
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	2	0.38
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	7	0.38
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	1	0.38
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	1	0.38
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	16	0.38
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	16	0.38
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	20	0.38
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	20	0.38
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	6	0.38
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	4	0.38
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	19	0.38
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	8	0.38
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	16	0.38
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	11	0.38
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	12	0.38
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	13	0.38
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	13	0.38
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	6	0.38
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	11	0.38
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	2	0.38
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	6	0.38
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	16	0.38
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	14	0.38
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	20	0.38
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	4	0.38
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	13	0.38
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	18	0.38
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	19	0.38
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	9	0.38
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	14	0.38
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	20	0.38
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	4	0.38
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	14	0.38
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	18	0.38
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	8	0.38
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	2	0.38
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	8	0.38
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	15	0.38
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	9	0.38
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	10	0.38
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	7	0.38
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	7	0.38
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	14	0.38
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	19	0.38
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	1	0.38
(1,249)	1:36:A:ASN:HB3	1:55:A:GLU:HB3	1	0.38
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	10	0.38
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	1	0.38
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	8	0.38
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	14	0.38
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	16	0.38
(1,186)	1:39:A:VAL:H	1:40:A:PRO:HD3	16	0.38
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	20	0.38
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	1	0.38
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	14	0.38
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	5	0.38
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	8	0.38
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	12	0.38
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	20	0.38
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	1	0.38
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	1	0.38
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	1	0.38
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	7	0.38
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	8	0.38
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	10	0.38
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	3	0.38
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	17	0.38
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	5	0.38
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	13	0.38
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	4	0.38
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	4	0.38
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	8	0.38
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD2	16	0.38
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD3	16	0.38
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	9	0.38
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	15	0.38
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	18	0.38
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	16	0.38
(1,42)	1:29:A:SER:H	1:29:A:SER:HB3	7	0.38
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	14	0.38
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	14	0.38
(1,26)	1:9:A:ILE:HD11	1:86:A:THR:HA	20	0.38
(1,26)	1:9:A:ILE:HD12	1:86:A:THR:HA	20	0.38
(1,26)	1:9:A:ILE:HD13	1:86:A:THR:HA	20	0.38
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	3	0.37
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	3	0.37
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	3	0.37
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	19	0.37
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	16	0.37
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	16	0.37
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	16	0.37
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	11	0.37
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	11	0.37
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	11	0.37
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	11	0.37
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	11	0.37
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	11	0.37
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	11	0.37
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	11	0.37
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	11	0.37
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	12	0.37
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	12	0.37
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	12	0.37
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	12	0.37
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	12	0.37
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	12	0.37
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG21	6	0.37
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG22	6	0.37
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG23	6	0.37
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	13	0.37
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	13	0.37
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	13	0.37
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	13	0.37
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	13	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	7	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	7	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	7	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	7	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	7	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	7	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	15	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	15	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	15	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	15	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	15	0.37
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	15	0.37
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG21	20	0.37
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG22	20	0.37
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG23	20	0.37
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG21	20	0.37
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG22	20	0.37
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG23	20	0.37
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG21	20	0.37
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG22	20	0.37
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG23	20	0.37
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	12	0.37
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	12	0.37
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	12	0.37
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	12	0.37
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	12	0.37
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	12	0.37
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	18	0.37
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	18	0.37
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	15	0.37
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	15	0.37
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	6	0.37
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	6	0.37
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	6	0.37
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	18	0.37
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	18	0.37
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	8	0.37
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	15	0.37
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	15	0.37
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	15	0.37
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	1	0.37
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	20	0.37
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG12	18	0.37
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG13	18	0.37
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	6	0.37
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	15	0.37
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	15	0.37
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	15	0.37
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	18	0.37
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	18	0.37
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	18	0.37
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	1	0.37
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	1	0.37
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	10	0.37
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	2	0.37
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	5	0.37
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	11	0.37
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	2	0.37
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	2	0.37
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	14	0.37
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	14	0.37
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	3	0.37
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	4	0.37
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	6	0.37
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	17	0.37
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	18	0.37
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	9	0.37
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	16	0.37
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	18	0.37
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	17	0.37
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	17	0.37
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	17	0.37
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	20	0.37
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	4	0.37
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	18	0.37
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	3	0.37
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	3	0.37
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	9	0.37
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	12	0.37
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	12	0.37
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	16	0.37
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	16	0.37
(1,1110)	1:79:A:ILE:HG12	1:80:A:HIS:H	18	0.37
(1,1110)	1:79:A:ILE:HG13	1:80:A:HIS:H	18	0.37
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	12	0.37
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	12	0.37
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	14	0.37
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	14	0.37
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	11	0.37
(1,1052)	1:56:A:TYR:HB2	1:62:A:ALA:H	6	0.37
(1,1048)	1:36:A:ASN:HB2	1:37:A:ILE:H	2	0.37
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	13	0.37
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	13	0.37
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	1	0.37
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	1	0.37
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	6	0.37
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	3	0.37
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	3	0.37
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	3	0.37
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	3	0.37
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	1	0.37
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	15	0.37
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	3	0.37
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	4	0.37
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	12	0.37
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	12	0.37
(1,959)	1:11:A:PHE:HB2	1:12:A:VAL:H	11	0.37
(1,959)	1:11:A:PHE:HB3	1:12:A:VAL:H	11	0.37
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	16	0.37
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	16	0.37
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	16	0.37
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	16	0.37
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	16	0.37
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	16	0.37
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	10	0.37
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	10	0.37
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	11	0.37
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	11	0.37
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	1	0.37
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	1	0.37
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	1	0.37
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	1	0.37
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	1	0.37
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	1	0.37
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	5	0.37
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	5	0.37
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	5	0.37
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	5	0.37
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	5	0.37
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	5	0.37
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	7	0.37
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	7	0.37
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	7	0.37
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	7	0.37
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	7	0.37
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	7	0.37
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	10	0.37
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	10	0.37
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	10	0.37
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	18	0.37
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	18	0.37
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	18	0.37
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	20	0.37
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	20	0.37
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	20	0.37
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	2	0.37
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	2	0.37
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	2	0.37
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	13	0.37
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	13	0.37
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	13	0.37
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	18	0.37
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	18	0.37
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	18	0.37
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	19	0.37
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	19	0.37
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	19	0.37
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	20	0.37
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	20	0.37
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	14	0.37
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	14	0.37
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	14	0.37
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	14	0.37
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	14	0.37
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	14	0.37
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG21	17	0.37
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG22	17	0.37
(1,798)	1:19:A:ILE:H	1:19:A:ILE:HG23	17	0.37
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	2	0.37
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	2	0.37
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	2	0.37
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG21	19	0.37
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG22	19	0.37
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG23	19	0.37
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	7	0.37
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	7	0.37
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	7	0.37
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	9	0.37
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	9	0.37
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	9	0.37
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	10	0.37
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	10	0.37
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	10	0.37
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	14	0.37
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	14	0.37
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	14	0.37
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	17	0.37
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	17	0.37
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	17	0.37
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	6	0.37
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	6	0.37
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	6	0.37
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE1	13	0.37
(1,647)	1:24:A:LEU:HD21	1:28:A:PHE:HE2	13	0.37
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE1	13	0.37
(1,647)	1:24:A:LEU:HD22	1:28:A:PHE:HE2	13	0.37
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE1	13	0.37
(1,647)	1:24:A:LEU:HD23	1:28:A:PHE:HE2	13	0.37
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	2	0.37
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	2	0.37
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	8	0.37
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	8	0.37
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	8	0.37
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	11	0.37
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	11	0.37
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	11	0.37
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	7	0.37
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	7	0.37
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	7	0.37
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	6	0.37
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	6	0.37
(1,613)	1:66:A:LEU:HD11	1:82:A:ASN:HD22	9	0.37
(1,613)	1:66:A:LEU:HD12	1:82:A:ASN:HD22	9	0.37
(1,613)	1:66:A:LEU:HD13	1:82:A:ASN:HD22	9	0.37
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG2	6	0.37
(1,607)	1:47:A:LYS:H	1:47:A:LYS:HG3	6	0.37
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	2	0.37
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	2	0.37
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	18	0.37
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	18	0.37
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	13	0.37
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	13	0.37
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	13	0.37
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB1	16	0.37
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB2	16	0.37
(1,594)	1:40:A:PRO:HD2	1:52:A:ALA:HB3	16	0.37
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	8	0.37
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	8	0.37
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	8	0.37
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	11	0.37
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	11	0.37
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	11	0.37
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	11	0.37
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	11	0.37
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	11	0.37
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	9	0.37
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	9	0.37
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	9	0.37
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	14	0.37
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	14	0.37
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	14	0.37
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	4	0.37
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	4	0.37
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	15	0.37
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	15	0.37
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	15	0.37
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	17	0.37
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	17	0.37
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	17	0.37
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	4	0.37
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	4	0.37
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	6	0.37
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	6	0.37
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	17	0.37
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	17	0.37
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	9	0.37
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	2	0.37
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	2	0.37
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	2	0.37
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	2	0.37
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	2	0.37
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	2	0.37
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	15	0.37
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	2	0.37
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	12	0.37
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	11	0.37
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	6	0.37
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	12	0.37
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	12	0.37
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	14	0.37
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	14	0.37
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	4	0.37
(1,420)	1:10:A:LEU:H	1:54:A:VAL:HB	14	0.37
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	18	0.37
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	11	0.37
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	11	0.37
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	11	0.37
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	3	0.37
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	14	0.37
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	13	0.37
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	14	0.37
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	20	0.37
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	5	0.37
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	19	0.37
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	8	0.37
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	11	0.37
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	17	0.37
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	9	0.37
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	7	0.37
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	7	0.37
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	5	0.37
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	9	0.37
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	6	0.37
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	11	0.37
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	16	0.37
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	16	0.37
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	3	0.37
(1,276)	1:68:A:ASN:H	1:68:A:ASN:HB3	7	0.37
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	12	0.37
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	12	0.37
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	12	0.37
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	12	0.37
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	1	0.37
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	11	0.37
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	11	0.37
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	14	0.37
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	14	0.37
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	8	0.37
(1,210)	1:41:A:LEU:H	1:41:A:LEU:HB2	2	0.37
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG2	2	0.37
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG3	2	0.37
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	15	0.37
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	9	0.37
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	1	0.37
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	2	0.37
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	6	0.37
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	10	0.37
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	11	0.37
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	16	0.37
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	18	0.37
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	5	0.37
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	8	0.37
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	15	0.37
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	14	0.37
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	2	0.37
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	8	0.37
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	16	0.37
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	14	0.37
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	10	0.37
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	10	0.37
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	18	0.37
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	18	0.37
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE1	20	0.37
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE2	20	0.37
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	3	0.37
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	1	0.37
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	5	0.37
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	6	0.37
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	10	0.37
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	12	0.37
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	14	0.37
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	16	0.37
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	15	0.37
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	20	0.37
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	12	0.37
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	12	0.37
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	12	0.37
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	12	0.37
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	12	0.37
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	12	0.37
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	14	0.37
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	18	0.37
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	4	0.37
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	4	0.37
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	4	0.37
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	5	0.37
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	8	0.37
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	11	0.37
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	13	0.37
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	15	0.37
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	11	0.37
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	2	0.36
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	8	0.36
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	13	0.36
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	12	0.36
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	12	0.36
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	12	0.36
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	9	0.36
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	9	0.36
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	9	0.36
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	17	0.36
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	17	0.36
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	17	0.36
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	15	0.36
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	15	0.36
(1,1509)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	15	0.36
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	15	0.36
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	15	0.36
(1,1509)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	15	0.36
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	15	0.36
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	15	0.36
(1,1509)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	15	0.36
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	2	0.36
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	2	0.36
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	2	0.36
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	2	0.36
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	2	0.36
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	2	0.36
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	13	0.36
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	13	0.36
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	13	0.36
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	13	0.36
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	13	0.36
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	13	0.36
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	16	0.36
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	16	0.36
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	16	0.36
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	1	0.36
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	1	0.36
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	1	0.36
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	1	0.36
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	1	0.36
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	1	0.36
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	5	0.36
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	5	0.36
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1445)	1:73:A:GLU:HG3	1:74:A:LEU:HA	11	0.36
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	3	0.36
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	3	0.36
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	5	0.36
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	7	0.36
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	10	0.36
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	10	0.36
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	10	0.36
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	4	0.36
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	4	0.36
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	4	0.36
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	4	0.36
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	4	0.36
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	4	0.36
(1,1337)	1:14:A:GLY:H	1:52:A:ALA:H	12	0.36
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	16	0.36
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	2	0.36
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	12	0.36
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	13	0.36
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG12	8	0.36
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG13	8	0.36
(1,1317)	1:16:A:ASP:HB2	1:18:A:THR:H	5	0.36
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	6	0.36
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	10	0.36
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	11	0.36
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	11	0.36
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	16	0.36
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	16	0.36
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	14	0.36
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	10	0.36
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	10	0.36
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	12	0.36
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	16	0.36
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	20	0.36
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	8	0.36
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	13	0.36
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	12	0.36
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	1	0.36
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	1	0.36
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	1	0.36
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	18	0.36
(1,1184)	1:41:A:LEU:HD21	1:48:A:ASN:H	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:41:A:LEU:HD22	1:48:A:ASN:H	4	0.36
(1,1184)	1:41:A:LEU:HD23	1:48:A:ASN:H	4	0.36
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	12	0.36
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	3	0.36
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	4	0.36
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	12	0.36
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	15	0.36
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	1	0.36
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	20	0.36
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	20	0.36
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	20	0.36
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	2	0.36
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	19	0.36
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	8	0.36
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	6	0.36
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	5	0.36
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	5	0.36
(1,1090)	1:85:A:LYS:HD2	1:86:A:THR:H	5	0.36
(1,1090)	1:85:A:LYS:HD3	1:86:A:THR:H	5	0.36
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	6	0.36
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	6	0.36
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	10	0.36
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	10	0.36
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	19	0.36
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	19	0.36
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	13	0.36
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	2	0.36
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	2	0.36
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	2	0.36
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	19	0.36
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	19	0.36
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	6	0.36
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	3	0.36
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	20	0.36
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG12	4	0.36
(1,1041)	1:19:A:ILE:H	1:19:A:ILE:HG13	4	0.36
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	2	0.36
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	14	0.36
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	16	0.36
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	18	0.36
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	16	0.36
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	9	0.36
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	9	0.36
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	9	0.36
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	17	0.36
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	14	0.36
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	14	0.36
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	14	0.36
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	14	0.36
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	7	0.36
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	7	0.36
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	7	0.36
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	1	0.36
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	1	0.36
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	1	0.36
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	4	0.36
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	4	0.36
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	4	0.36
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD11	6	0.36
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD12	6	0.36
(1,898)	1:28:A:PHE:HB3	1:34:A:ILE:HD13	6	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	1	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	1	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	1	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	4	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	4	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	4	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	10	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	10	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	10	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	15	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	15	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	15	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	18	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	18	0.36
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	18	0.36
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD11	15	0.36
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD12	15	0.36
(1,862)	1:23:A:SER:HB2	1:27:A:ILE:HD13	15	0.36
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	19	0.36
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	19	0.36
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	19	0.36
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	19	0.36
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	19	0.36
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	19	0.36
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	19	0.36
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	19	0.36
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	4	0.36
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	4	0.36
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	4	0.36
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	8	0.36
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	8	0.36
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	8	0.36
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	9	0.36
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	9	0.36
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	9	0.36
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	4	0.36
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	4	0.36
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	4	0.36
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	6	0.36
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	6	0.36
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	6	0.36
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	17	0.36
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	17	0.36
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	17	0.36
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	2	0.36
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	2	0.36
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	2	0.36
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	2	0.36
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	2	0.36
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	2	0.36
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD1	19	0.36
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD2	19	0.36
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD1	19	0.36
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD2	19	0.36
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD1	19	0.36
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD2	19	0.36
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	9	0.36
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	9	0.36
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	9	0.36
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	14	0.36
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	14	0.36
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	14	0.36
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	13	0.36
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	13	0.36
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	5	0.36
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	5	0.36
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	5	0.36
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	11	0.36
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	11	0.36
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	11	0.36
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	11	0.36
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	11	0.36
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	11	0.36
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	1	0.36
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	1	0.36
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	1	0.36
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	4	0.36
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	4	0.36
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	4	0.36
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	18	0.36
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	18	0.36
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	18	0.36
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	12	0.36
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	12	0.36
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	12	0.36
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	14	0.36
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	14	0.36
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	14	0.36
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	15	0.36
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	15	0.36
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	15	0.36
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	6	0.36
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	6	0.36
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	6	0.36
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	2	0.36
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	2	0.36
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	2	0.36
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	2	0.36
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	2	0.36
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	2	0.36
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	2	0.36
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	2	0.36
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	2	0.36
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	4	0.36
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	4	0.36
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	4	0.36
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	4	0.36
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	4	0.36
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	7	0.36
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	7	0.36
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	7	0.36
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB1	4	0.36
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB2	4	0.36
(1,631)	1:10:A:LEU:HD11	1:65:A:ALA:HB3	4	0.36
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB1	4	0.36
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB2	4	0.36
(1,631)	1:10:A:LEU:HD12	1:65:A:ALA:HB3	4	0.36
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB1	4	0.36
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB2	4	0.36
(1,631)	1:10:A:LEU:HD13	1:65:A:ALA:HB3	4	0.36
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	12	0.36
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	12	0.36
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	12	0.36
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	12	0.36
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	12	0.36
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	12	0.36
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	4	0.36
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	4	0.36
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	15	0.36
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	15	0.36
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	18	0.36
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	18	0.36
(1,613)	1:66:A:LEU:HD11	1:82:A:ASN:HD22	12	0.36
(1,613)	1:66:A:LEU:HD12	1:82:A:ASN:HD22	12	0.36
(1,613)	1:66:A:LEU:HD13	1:82:A:ASN:HD22	12	0.36
(1,600)	1:41:A:LEU:HD11	1:46:A:LYS:HA	9	0.36
(1,600)	1:41:A:LEU:HD12	1:46:A:LYS:HA	9	0.36
(1,600)	1:41:A:LEU:HD13	1:46:A:LYS:HA	9	0.36
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	5	0.36
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	5	0.36
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	5	0.36
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	11	0.36
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	11	0.36
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	11	0.36
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	16	0.36
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	16	0.36
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	17	0.36
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	17	0.36
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	17	0.36
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	14	0.36
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	14	0.36
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	14	0.36
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	18	0.36
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	18	0.36
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	13	0.36
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	13	0.36
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	13	0.36
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	13	0.36
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	4	0.36
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	7	0.36
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	9	0.36
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	3	0.36
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	3	0.36
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	11	0.36
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	11	0.36
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	13	0.36
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	13	0.36
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	18	0.36
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	18	0.36
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	4	0.36
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	4	0.36
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	19	0.36
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	19	0.36
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	9	0.36
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	9	0.36
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	9	0.36
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	6	0.36
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	18	0.36
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	18	0.36
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	18	0.36
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	18	0.36
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	18	0.36
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	18	0.36
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	14	0.36
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	14	0.36
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	15	0.36
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	6	0.36
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	1	0.36
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	7	0.36
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	8	0.36
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	8	0.36
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	2	0.36
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	7	0.36
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	13	0.36
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	7	0.36
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	16	0.36
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	3	0.36
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	3	0.36
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	10	0.36
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	10	0.36
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	15	0.36
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	15	0.36
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	18	0.36
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	18	0.36
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	5	0.36
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	8	0.36
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	13	0.36
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	12	0.36
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	2	0.36
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	2	0.36
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	4	0.36
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	4	0.36
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	14	0.36
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	14	0.36
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	13	0.36
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	20	0.36
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	12	0.36
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	12	0.36
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	12	0.36
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	12	0.36
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	12	0.36
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	12	0.36
(1,363)	1:73:A:GLU:HG2	1:74:A:LEU:HA	9	0.36
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	6	0.36
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	11	0.36
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	12	0.36
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	16	0.36
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	12	0.36
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	12	0.36
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	4	0.36
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	6	0.36
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	17	0.36
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	3	0.36
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	3	0.36
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	16	0.36
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	6	0.36
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	17	0.36
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	17	0.36
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	17	0.36
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	17	0.36
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	15	0.36
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	16	0.36
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	19	0.36
(1,274)	1:68:A:ASN:H	1:68:A:ASN:HB2	4	0.36
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	10	0.36
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	20	0.36
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	19	0.36
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	20	0.36
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD2	17	0.36
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD3	17	0.36
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	4	0.36
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	4	0.36
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	6	0.36
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	6	0.36
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	16	0.36
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	16	0.36
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	5	0.36
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	5	0.36
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	5	0.36
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	16	0.36
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	16	0.36
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	1	0.36
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	4	0.36
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	11	0.36
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	12	0.36
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	2	0.36
(1,169)	1:41:A:LEU:HA	1:42:A:ASN:H	2	0.36
(1,168)	1:74:A:LEU:HA	1:75:A:ASN:H	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	3	0.36
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	7	0.36
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	19	0.36
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	15	0.36
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	15	0.36
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	15	0.36
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	13	0.36
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	18	0.36
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	1	0.36
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	5	0.36
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	5	0.36
(1,126)	1:12:A:VAL:HG21	1:53:A:PHE:HA	14	0.36
(1,126)	1:12:A:VAL:HG22	1:53:A:PHE:HA	14	0.36
(1,126)	1:12:A:VAL:HG23	1:53:A:PHE:HA	14	0.36
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	9	0.36
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	16	0.36
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	4	0.36
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	4	0.36
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	6	0.36
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	9	0.36
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	17	0.36
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	20	0.36
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD2	19	0.36
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD3	19	0.36
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	2	0.36
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	4	0.36
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	7	0.36
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	11	0.36
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	17	0.36
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	9	0.36
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	17	0.36
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	1	0.36
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	17	0.36
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	7	0.36
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	9	0.36
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	2	0.36
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	2	0.36
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	3	0.36
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	3	0.36
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	20	0.36
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	20	0.36
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	6	0.36
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	12	0.36
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	16	0.36
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	18	0.36
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	11	0.35
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	11	0.35
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	11	0.35
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	11	0.35
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	11	0.35
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	11	0.35
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	16	0.35
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	16	0.35
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	16	0.35
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	16	0.35
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	16	0.35
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	16	0.35
(1,1544)	1:15:A:ILE:HA	1:77:A:LYS:HE2	17	0.35
(1,1544)	1:15:A:ILE:HA	1:77:A:LYS:HE3	17	0.35
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	16	0.35
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	16	0.35
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	16	0.35
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	14	0.35
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	14	0.35
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	14	0.35
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	2	0.35
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	2	0.35
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	2	0.35
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	2	0.35
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	2	0.35
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	2	0.35
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	2	0.35
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	2	0.35
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	2	0.35
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	11	0.35
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	11	0.35
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	11	0.35
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	11	0.35
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	11	0.35
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	11	0.35
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	15	0.35
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	15	0.35
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	15	0.35
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	15	0.35
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	15	0.35
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	16	0.35
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	16	0.35
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	16	0.35
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	16	0.35
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	16	0.35
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	16	0.35
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	20	0.35
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	20	0.35
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	20	0.35
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	20	0.35
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	20	0.35
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	20	0.35
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	19	0.35
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	19	0.35
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	19	0.35
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	19	0.35
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	19	0.35
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	19	0.35
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	19	0.35
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	19	0.35
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	19	0.35
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	19	0.35
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	19	0.35
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	19	0.35
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	13	0.35
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	13	0.35
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	13	0.35
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	13	0.35
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	13	0.35
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	13	0.35
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	1	0.35
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	1	0.35
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	1	0.35
(1,1445)	1:73:A:GLU:HG3	1:74:A:LEU:HA	10	0.35
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	15	0.35
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	8	0.35
(1,1400)	1:1:A:MET:HA	1:1:A:MET:HG2	20	0.35
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	19	0.35
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	6	0.35
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	6	0.35
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	6	0.35
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	7	0.35
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	13	0.35
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	13	0.35
(1,1315)	1:11:A:PHE:HE1	1:13:A:GLY:H	20	0.35
(1,1315)	1:11:A:PHE:HE2	1:13:A:GLY:H	20	0.35
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	1	0.35
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	2	0.35
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	8	0.35
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	9	0.35
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	6	0.35
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	13	0.35
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	14	0.35
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	6	0.35
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	6	0.35
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	6	0.35
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	19	0.35
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	19	0.35
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	19	0.35
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	20	0.35
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	20	0.35
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	20	0.35
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	1	0.35
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	8	0.35
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	9	0.35
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	16	0.35
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	16	0.35
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	20	0.35
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	10	0.35
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	19	0.35
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	20	0.35
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	1	0.35
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	8	0.35
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	18	0.35
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	7	0.35
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	11	0.35
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	15	0.35
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	11	0.35
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	18	0.35
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	16	0.35
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	16	0.35
(1,1192)	1:69:A:MET:H	1:70:A:ASN:H	20	0.35
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	13	0.35
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	3	0.35
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	13	0.35
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	9	0.35
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	6	0.35
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	7	0.35
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	19	0.35
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	18	0.35
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	18	0.35
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	18	0.35
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	2	0.35
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	10	0.35
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	1	0.35
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	2	0.35
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	2	0.35
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	2	0.35
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	13	0.35
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	13	0.35
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	18	0.35
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	18	0.35
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	6	0.35
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	6	0.35
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	10	0.35
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	10	0.35
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	14	0.35
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	19	0.35
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	7	0.35
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	7	0.35
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	7	0.35
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	15	0.35
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	15	0.35
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	15	0.35
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	17	0.35
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	7	0.35
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	10	0.35
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	3	0.35
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	11	0.35
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	12	0.35
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	20	0.35
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	6	0.35
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	1	0.35
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	13	0.35
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	19	0.35
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	19	0.35
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	19	0.35
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	19	0.35
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	19	0.35
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	19	0.35
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	2	0.35
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	2	0.35
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	5	0.35
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	5	0.35
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	5	0.35
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	17	0.35
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	17	0.35
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	17	0.35
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	19	0.35
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	19	0.35
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	19	0.35
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	14	0.35
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	14	0.35
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	14	0.35
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	14	0.35
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	14	0.35
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	14	0.35
(1,875)	1:15:A:ILE:HD11	1:48:A:ASN:HB3	12	0.35
(1,875)	1:15:A:ILE:HD12	1:48:A:ASN:HB3	12	0.35
(1,875)	1:15:A:ILE:HD13	1:48:A:ASN:HB3	12	0.35
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD11	6	0.35
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD12	6	0.35
(1,874)	1:25:A:TYR:H	1:27:A:ILE:HD13	6	0.35
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	2	0.35
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	2	0.35
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	2	0.35
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG11	19	0.35
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG12	19	0.35
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG13	19	0.35
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG11	19	0.35
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG12	19	0.35
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG13	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG11	19	0.35
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG12	19	0.35
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG13	19	0.35
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	8	0.35
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	8	0.35
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	8	0.35
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	8	0.35
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	8	0.35
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	8	0.35
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	2	0.35
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	2	0.35
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	2	0.35
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	20	0.35
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	20	0.35
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	20	0.35
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	20	0.35
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	20	0.35
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	20	0.35
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	20	0.35
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	20	0.35
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	20	0.35
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG21	12	0.35
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG22	12	0.35
(1,838)	1:26:A:ASP:H	1:27:A:ILE:HG23	12	0.35
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	5	0.35
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	5	0.35
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	5	0.35
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	8	0.35
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	8	0.35
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	8	0.35
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	11	0.35
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	11	0.35
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	11	0.35
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	11	0.35
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	11	0.35
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	11	0.35
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	5	0.35
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	5	0.35
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	5	0.35
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	5	0.35
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	5	0.35
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD1	17	0.35
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD2	17	0.35
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD1	17	0.35
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD2	17	0.35
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD1	17	0.35
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD2	17	0.35
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	3	0.35
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	3	0.35
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	3	0.35
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	3	0.35
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	3	0.35
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	3	0.35
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	3	0.35
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	3	0.35
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	3	0.35
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG21	14	0.35
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG22	14	0.35
(1,784)	1:12:A:VAL:HG21	1:54:A:VAL:HG23	14	0.35
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG21	14	0.35
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG22	14	0.35
(1,784)	1:12:A:VAL:HG22	1:54:A:VAL:HG23	14	0.35
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG21	14	0.35
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG22	14	0.35
(1,784)	1:12:A:VAL:HG23	1:54:A:VAL:HG23	14	0.35
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	12	0.35
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	12	0.35
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	12	0.35
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	12	0.35
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	12	0.35
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	12	0.35
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	12	0.35
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	12	0.35
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	12	0.35
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	7	0.35
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	7	0.35
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	7	0.35
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	14	0.35
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	14	0.35
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	14	0.35
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	1	0.35
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	1	0.35
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB1	16	0.35
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB2	16	0.35
(1,723)	1:39:A:VAL:HG11	1:52:A:ALA:HB3	16	0.35
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB1	16	0.35
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB2	16	0.35
(1,723)	1:39:A:VAL:HG12	1:52:A:ALA:HB3	16	0.35
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB1	16	0.35
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB2	16	0.35
(1,723)	1:39:A:VAL:HG13	1:52:A:ALA:HB3	16	0.35
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB1	16	0.35
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB2	16	0.35
(1,723)	1:39:A:VAL:HG21	1:52:A:ALA:HB3	16	0.35
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB1	16	0.35
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB2	16	0.35
(1,723)	1:39:A:VAL:HG22	1:52:A:ALA:HB3	16	0.35
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB1	16	0.35
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB2	16	0.35
(1,723)	1:39:A:VAL:HG23	1:52:A:ALA:HB3	16	0.35
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	3	0.35
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	3	0.35
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	3	0.35
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	16	0.35
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	16	0.35
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	16	0.35
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	16	0.35
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	16	0.35
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	16	0.35
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	16	0.35
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	16	0.35
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	16	0.35
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	5	0.35
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	5	0.35
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	5	0.35
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	7	0.35
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	7	0.35
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	7	0.35
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	19	0.35
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	19	0.35
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	19	0.35
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	3	0.35
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	3	0.35
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	10	0.35
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	10	0.35
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	10	0.35
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	20	0.35
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	20	0.35
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	20	0.35
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	12	0.35
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	12	0.35
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	12	0.35
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	17	0.35
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	17	0.35
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	17	0.35
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	10	0.35
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	10	0.35
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	10	0.35
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	13	0.35
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	13	0.35
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	13	0.35
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	13	0.35
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	13	0.35
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	13	0.35
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	10	0.35
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	10	0.35
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	10	0.35
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	3	0.35
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	3	0.35
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	3	0.35
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	14	0.35
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	14	0.35
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	14	0.35
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	18	0.35
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	18	0.35
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	18	0.35
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	3	0.35
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	3	0.35
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	3	0.35
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	7	0.35
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	7	0.35
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	7	0.35
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	17	0.35
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	17	0.35
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	2	0.35
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	2	0.35
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	2	0.35
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	13	0.35
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	13	0.35
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	13	0.35
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	18	0.35
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	7	0.35
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	7	0.35
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	7	0.35
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	7	0.35
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	7	0.35
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	7	0.35
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	8	0.35
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	8	0.35
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	8	0.35
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	8	0.35
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	8	0.35
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	8	0.35
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	7	0.35
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	7	0.35
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	15	0.35
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	15	0.35
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	15	0.35
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	15	0.35
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	7	0.35
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	7	0.35
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	11	0.35
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	11	0.35
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	7	0.35
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	17	0.35
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	2	0.35
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	18	0.35
(1,472)	1:80:A:HIS:H	1:80:A:HIS:HB3	11	0.35
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	14	0.35
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	14	0.35
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	9	0.35
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	15	0.35
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	15	0.35
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	20	0.35
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	20	0.35
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	20	0.35
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	12	0.35
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	4	0.35
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	4	0.35
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	2	0.35
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	7	0.35
(1,431)	1:38:A:GLU:H	1:38:A:GLU:HB3	13	0.35
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	20	0.35
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	19	0.35
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	9	0.35
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	9	0.35
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	11	0.35
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	9	0.35
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	9	0.35
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	16	0.35
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	16	0.35
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	16	0.35
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	8	0.35
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	8	0.35
(1,363)	1:73:A:GLU:HG2	1:74:A:LEU:HA	17	0.35
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	3	0.35
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	7	0.35
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	8	0.35
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	10	0.35
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	16	0.35
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	2	0.35
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	13	0.35
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	2	0.35
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	11	0.35
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	13	0.35
(1,315)	1:25:A:TYR:HE1	1:34:A:ILE:HB	18	0.35
(1,315)	1:25:A:TYR:HE2	1:34:A:ILE:HB	18	0.35
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	15	0.35
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	15	0.35
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	12	0.35
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	3	0.35
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	7	0.35
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	10	0.35
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	12	0.35
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	19	0.35
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	5	0.35
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	3	0.35
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	5	0.35
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	7	0.35
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	8	0.35
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	8	0.35
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	8	0.35
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	12	0.35
(1,229)	1:82:A:ASN:HB2	1:83:A:TYR:H	14	0.35
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD2	11	0.35
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD3	11	0.35
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG21	18	0.35
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG22	18	0.35
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG23	18	0.35
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG21	18	0.35
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG22	18	0.35
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG23	18	0.35
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	1	0.35
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	1	0.35
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	8	0.35
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	8	0.35
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	11	0.35
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	17	0.35
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	17	0.35
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	17	0.35
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	17	0.35
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	13	0.35
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	2	0.35
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	2	0.35
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	2	0.35
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	9	0.35
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	17	0.35
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	9	0.35
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	9	0.35
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	9	0.35
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	5	0.35
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	8	0.35
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	8	0.35
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	6	0.35
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	14	0.35
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	6	0.35
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	16	0.35
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	18	0.35
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	11	0.35
(1,79)	1:34:A:ILE:HA	1:34:A:ILE:HG12	19	0.35
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	18	0.35
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	16	0.35
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	3	0.35
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	4	0.35
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	19	0.35
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	17	0.35
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	17	0.35
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	3	0.35
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	14	0.35
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	1	0.34
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	1	0.34
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	12	0.34
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	12	0.34
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	12	0.34
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	15	0.34
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	15	0.34
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	15	0.34
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	7	0.34
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	7	0.34
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	7	0.34
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	13	0.34
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	13	0.34
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	13	0.34
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	20	0.34
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	20	0.34
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	20	0.34
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	14	0.34
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	14	0.34
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	14	0.34
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB2	12	0.34
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB3	12	0.34
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB2	12	0.34
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB3	12	0.34
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB2	12	0.34
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB3	12	0.34
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	6	0.34
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	6	0.34
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	6	0.34
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	6	0.34
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	6	0.34
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	6	0.34
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	6	0.34
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	6	0.34
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	7	0.34
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	7	0.34
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	7	0.34
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	7	0.34
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	7	0.34
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	7	0.34
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	7	0.34
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	7	0.34
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	7	0.34
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	17	0.34
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	17	0.34
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	17	0.34
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	17	0.34
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	17	0.34
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	17	0.34
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	17	0.34
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	17	0.34
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	17	0.34
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	2	0.34
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	2	0.34
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	2	0.34
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	2	0.34
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	2	0.34
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	2	0.34
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	7	0.34
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	7	0.34
(1,1445)	1:73:A:GLU:HG3	1:74:A:LEU:HA	9	0.34
(1,1445)	1:73:A:GLU:HG3	1:74:A:LEU:HA	17	0.34
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	13	0.34
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	13	0.34
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	13	0.34
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	7	0.34
(1,1400)	1:1:A:MET:HA	1:1:A:MET:HG2	15	0.34
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB2	8	0.34
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB3	8	0.34
(1,1391)	1:11:A:PHE:HB2	1:84:A:SER:HA	18	0.34
(1,1391)	1:11:A:PHE:HB3	1:84:A:SER:HA	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG2	19	0.34
(1,1388)	1:22:A:LYS:HA	1:22:A:LYS:HG3	19	0.34
(1,1351)	1:9:A:ILE:HG21	1:86:A:THR:HB	11	0.34
(1,1351)	1:9:A:ILE:HG22	1:86:A:THR:HB	11	0.34
(1,1351)	1:9:A:ILE:HG23	1:86:A:THR:HB	11	0.34
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	1	0.34
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	14	0.34
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	1	0.34
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	3	0.34
(1,1324)	1:45:A:THR:H	1:46:A:LYS:HA	9	0.34
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	11	0.34
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	12	0.34
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	20	0.34
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG21	18	0.34
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG22	18	0.34
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG23	18	0.34
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	8	0.34
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	15	0.34
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	18	0.34
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	20	0.34
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	9	0.34
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	9	0.34
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	9	0.34
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	1	0.34
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	3	0.34
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	1	0.34
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	1	0.34
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	6	0.34
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	6	0.34
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	7	0.34
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	7	0.34
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	19	0.34
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	19	0.34
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	18	0.34
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	15	0.34
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	14	0.34
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	18	0.34
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	10	0.34
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	19	0.34
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	9	0.34
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	12	0.34
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	7	0.34
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	12	0.34
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	10	0.34
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	14	0.34
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	14	0.34
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	5	0.34
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	5	0.34
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	5	0.34
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	20	0.34
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	20	0.34
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	20	0.34
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	3	0.34
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	5	0.34
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	17	0.34
(1,1089)	1:85:A:LYS:HB3	1:86:A:THR:H	2	0.34
(1,1089)	1:85:A:LYS:HB3	1:86:A:THR:H	12	0.34
(1,1089)	1:85:A:LYS:HB3	1:86:A:THR:H	19	0.34
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	15	0.34
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	15	0.34
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	13	0.34
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	17	0.34
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	20	0.34
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	14	0.34
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	4	0.34
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	14	0.34
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	13	0.34
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	13	0.34
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	16	0.34
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	16	0.34
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	15	0.34
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	15	0.34
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	15	0.34
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	5	0.34
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	5	0.34
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	2	0.34
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	2	0.34
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	2	0.34
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	11	0.34
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	11	0.34
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	11	0.34
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	13	0.34
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	13	0.34
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	11	0.34
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	20	0.34
(1,1001)	1:42:A:ASN:HB3	1:43:A:MET:H	7	0.34
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	10	0.34
(1,994)	1:72:A:PHE:HB3	1:73:A:GLU:H	20	0.34
(1,974)	1:73:A:GLU:HB2	1:75:A:ASN:H	5	0.34
(1,974)	1:73:A:GLU:HB2	1:75:A:ASN:H	18	0.34
(1,973)	1:73:A:GLU:HG3	1:75:A:ASN:H	5	0.34
(1,965)	1:9:A:ILE:HA	1:56:A:TYR:H	5	0.34
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	20	0.34
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	20	0.34
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	4	0.34
(1,939)	1:64:A:HIS:HA	1:64:A:HIS:HD2	17	0.34
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	11	0.34
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	11	0.34
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	15	0.34
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	15	0.34
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	15	0.34
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	15	0.34
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	15	0.34
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	15	0.34
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	7	0.34
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	7	0.34
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	7	0.34
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG11	11	0.34
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG12	11	0.34
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG13	11	0.34
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG11	11	0.34
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG12	11	0.34
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG13	11	0.34
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG11	11	0.34
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG12	11	0.34
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG13	11	0.34
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG11	12	0.34
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG12	12	0.34
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG13	12	0.34
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG11	12	0.34
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG12	12	0.34
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG13	12	0.34
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG11	12	0.34
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG12	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG13	12	0.34
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	5	0.34
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	5	0.34
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	5	0.34
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD11	8	0.34
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD12	8	0.34
(1,863)	1:27:A:ILE:HB	1:27:A:ILE:HD13	8	0.34
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG21	10	0.34
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG22	10	0.34
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG23	10	0.34
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	9	0.34
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	9	0.34
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	9	0.34
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	9	0.34
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	9	0.34
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	9	0.34
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	15	0.34
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	15	0.34
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	15	0.34
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	15	0.34
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	15	0.34
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	15	0.34
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	6	0.34
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	6	0.34
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	6	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	6	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	6	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	6	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	6	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	6	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	6	0.34
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	13	0.34
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	13	0.34
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	13	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	13	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	13	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	13	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	13	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	13	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	13	0.34
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	15	0.34
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	15	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	15	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	15	0.34
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	15	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	15	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	15	0.34
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	15	0.34
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	9	0.34
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	9	0.34
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	9	0.34
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	19	0.34
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	19	0.34
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	19	0.34
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	15	0.34
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	15	0.34
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	15	0.34
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG21	5	0.34
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG22	5	0.34
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG23	5	0.34
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	3	0.34
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	3	0.34
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	3	0.34
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	3	0.34
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	3	0.34
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	3	0.34
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	17	0.34
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	17	0.34
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	17	0.34
(1,743)	1:12:A:VAL:HG21	1:13:A:GLY:H	15	0.34
(1,743)	1:12:A:VAL:HG22	1:13:A:GLY:H	15	0.34
(1,743)	1:12:A:VAL:HG23	1:13:A:GLY:H	15	0.34
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	3	0.34
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	3	0.34
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	3	0.34
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	20	0.34
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	20	0.34
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	20	0.34
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	11	0.34
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	11	0.34
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	11	0.34
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	4	0.34
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	4	0.34
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	6	0.34
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	6	0.34
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	6	0.34
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	18	0.34
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	18	0.34
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	18	0.34
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	8	0.34
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	8	0.34
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	8	0.34
(1,613)	1:66:A:LEU:HD11	1:82:A:ASN:HD22	20	0.34
(1,613)	1:66:A:LEU:HD12	1:82:A:ASN:HD22	20	0.34
(1,613)	1:66:A:LEU:HD13	1:82:A:ASN:HD22	20	0.34
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	1	0.34
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	1	0.34
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	17	0.34
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	17	0.34
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	9	0.34
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	9	0.34
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	2	0.34
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	2	0.34
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	2	0.34
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	10	0.34
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	10	0.34
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	10	0.34
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	15	0.34
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	15	0.34
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	15	0.34
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	8	0.34
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	8	0.34
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	8	0.34
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	10	0.34
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	10	0.34
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	10	0.34
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	15	0.34
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	15	0.34
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	15	0.34
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	16	0.34
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	16	0.34
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	16	0.34
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	19	0.34
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	19	0.34
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	1	0.34
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	1	0.34
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	1	0.34
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	3	0.34
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	3	0.34
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	3	0.34
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	19	0.34
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	19	0.34
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	19	0.34
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	16	0.34
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	16	0.34
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	16	0.34
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	16	0.34
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	16	0.34
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	16	0.34
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	16	0.34
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	16	0.34
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	16	0.34
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	20	0.34
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	20	0.34
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	20	0.34
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	20	0.34
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	20	0.34
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	20	0.34
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	20	0.34
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	20	0.34
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	20	0.34
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	9	0.34
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	9	0.34
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	9	0.34
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	10	0.34
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	5	0.34
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	5	0.34
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	19	0.34
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	19	0.34
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	11	0.34
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	2	0.34
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	4	0.34
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	4	0.34
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	16	0.34
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	7	0.34
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	13	0.34
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	13	0.34
(1,456)	1:59:A:VAL:HB	1:60:A:ASP:H	10	0.34
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	3	0.34
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	4	0.34
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	11	0.34
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	3	0.34
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	19	0.34
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	4	0.34
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	11	0.34
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	2	0.34
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	14	0.34
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	6	0.34
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG21	20	0.34
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG22	20	0.34
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG23	20	0.34
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	2	0.34
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	19	0.34
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	1	0.34
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	2	0.34
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	15	0.34
(1,335)	1:42:A:ASN:H	1:42:A:ASN:HB3	16	0.34
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	8	0.34
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	8	0.34
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	12	0.34
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	10	0.34
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	11	0.34
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	4	0.34
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	6	0.34
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	11	0.34
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	14	0.34
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	4	0.34
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	10	0.34
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	4	0.34
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	12	0.34
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	12	0.34
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	13	0.34
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	13	0.34
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	20	0.34
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	20	0.34
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG11	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG12	7	0.34
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG13	7	0.34
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	3	0.34
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	17	0.34
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	3	0.34
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD2	4	0.34
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD3	4	0.34
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD2	6	0.34
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD3	6	0.34
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD2	8	0.34
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD3	8	0.34
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG11	19	0.34
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG12	19	0.34
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG13	19	0.34
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG11	19	0.34
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG12	19	0.34
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG13	19	0.34
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	2	0.34
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	2	0.34
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	3	0.34
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	3	0.34
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	16	0.34
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	16	0.34
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	16	0.34
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	16	0.34
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	15	0.34
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	15	0.34
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	15	0.34
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	18	0.34
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	18	0.34
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	18	0.34
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	20	0.34
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	10	0.34
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	5	0.34
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	5	0.34
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	5	0.34
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	10	0.34
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	10	0.34
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	15	0.34
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	14	0.34
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	7	0.34
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	7	0.34
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	8	0.34
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	8	0.34
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	7	0.34
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	1	0.34
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	14	0.34
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	2	0.34
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	6	0.34
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	6	0.34
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD2	8	0.34
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD3	8	0.34
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	14	0.34
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	14	0.34
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	5	0.34
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	8	0.34
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	1	0.34
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	2	0.34
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	2	0.34
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	2	0.34
(1,80)	1:7:A:THR:HA	1:8:A:ASP:H	11	0.34
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	2	0.34
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	9	0.34
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	7	0.34
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	7	0.34
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	17	0.34
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	18	0.34
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	9	0.34
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	19	0.34
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	20	0.34
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	8	0.33
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	8	0.33
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	8	0.33
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	8	0.33
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	8	0.33
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	8	0.33
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	15	0.33
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	15	0.33
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	15	0.33
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	15	0.33
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	15	0.33
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	15	0.33
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	8	0.33
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	14	0.33
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	14	0.33
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	15	0.33
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	15	0.33
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	8	0.33
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	8	0.33
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	8	0.33
(1,1533)	1:13:A:GLY:H	1:80:A:HIS:HB3	7	0.33
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD11	18	0.33
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD12	18	0.33
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD13	18	0.33
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	8	0.33
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	8	0.33
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	8	0.33
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	8	0.33
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	8	0.33
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	8	0.33
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	4	0.33
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	4	0.33
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	4	0.33
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	11	0.33
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	11	0.33
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	11	0.33
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	11	0.33
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	11	0.33
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	11	0.33
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG21	1	0.33
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG22	1	0.33
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG23	1	0.33
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	20	0.33
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	20	0.33
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	20	0.33
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	20	0.33
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	20	0.33
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	20	0.33
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	5	0.33
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	5	0.33
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	5	0.33
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	5	0.33
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	5	0.33
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	5	0.33
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	5	0.33
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	5	0.33
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG11	20	0.33
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG12	20	0.33
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG13	20	0.33
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG11	20	0.33
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG12	20	0.33
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG13	20	0.33
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG11	20	0.33
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG12	20	0.33
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG13	20	0.33
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	4	0.33
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	4	0.33
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	4	0.33
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	4	0.33
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	4	0.33
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	4	0.33
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	9	0.33
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	9	0.33
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	9	0.33
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	2	0.33
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	2	0.33
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	14	0.33
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	14	0.33
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE2	7	0.33
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE3	7	0.33
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	10	0.33
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	11	0.33
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	17	0.33
(1,1413)	1:55:A:GLU:HA	1:55:A:GLU:HG3	2	0.33
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	6	0.33
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	6	0.33
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	6	0.33
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	5	0.33
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	6	0.33
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	15	0.33
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	4	0.33
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	2	0.33
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	11	0.33
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	3	0.33
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	10	0.33
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	10	0.33
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	14	0.33
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	14	0.33
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	14	0.33
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	2	0.33
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	5	0.33
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	5	0.33
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	9	0.33
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	14	0.33
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	15	0.33
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	15	0.33
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	9	0.33
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	15	0.33
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	20	0.33
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	2	0.33
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	8	0.33
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	12	0.33
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	7	0.33
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	5	0.33
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	16	0.33
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	15	0.33
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	8	0.33
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	16	0.33
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	2	0.33
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	10	0.33
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	15	0.33
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	17	0.33
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	1	0.33
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	1	0.33
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	1	0.33
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	10	0.33
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	10	0.33
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	10	0.33
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	3	0.33
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	18	0.33
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	3	0.33
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	7	0.33
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	5	0.33
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	5	0.33
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	4	0.33
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	4	0.33
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	15	0.33
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	18	0.33
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	9	0.33
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	16	0.33
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	19	0.33
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	19	0.33
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	19	0.33
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	1	0.33
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	10	0.33
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	14	0.33
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	14	0.33
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	14	0.33
(1,1074)	1:41:A:LEU:H	1:42:A:ASN:H	4	0.33
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	8	0.33
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	8	0.33
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	18	0.33
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	18	0.33
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	19	0.33
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	19	0.33
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	11	0.33
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	17	0.33
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	20	0.33
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	20	0.33
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	12	0.33
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	12	0.33
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	12	0.33
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	20	0.33
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD2	5	0.33
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD3	5	0.33
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	13	0.33
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	8	0.33
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	8	0.33
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	8	0.33
(1,983)	1:38:A:GLU:HB3	1:39:A:VAL:H	13	0.33
(1,974)	1:73:A:GLU:HB2	1:75:A:ASN:H	6	0.33
(1,974)	1:73:A:GLU:HB2	1:75:A:ASN:H	16	0.33
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	14	0.33
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	14	0.33
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	14	0.33
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	8	0.33
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	13	0.33
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	13	0.33
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	13	0.33
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	6	0.33
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	6	0.33
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	6	0.33
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	6	0.33
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	6	0.33
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	6	0.33
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	8	0.33
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	8	0.33
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	8	0.33
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	8	0.33
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	8	0.33
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	8	0.33
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	14	0.33
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	14	0.33
(1,913)	1:83:A:TYR:H	1:83:A:TYR:HD1	11	0.33
(1,913)	1:83:A:TYR:H	1:83:A:TYR:HD2	11	0.33
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	3	0.33
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	3	0.33
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	3	0.33
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	2	0.33
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	2	0.33
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	2	0.33
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	2	0.33
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	2	0.33
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	2	0.33
(1,882)	1:15:A:ILE:HD11	1:16:A:ASP:H	4	0.33
(1,882)	1:15:A:ILE:HD12	1:16:A:ASP:H	4	0.33
(1,882)	1:15:A:ILE:HD13	1:16:A:ASP:H	4	0.33
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	12	0.33
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	12	0.33
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	12	0.33
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	1	0.33
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	1	0.33
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	1	0.33
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD11	17	0.33
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD12	17	0.33
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD13	17	0.33
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	13	0.33
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	13	0.33
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	6	0.33
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	6	0.33
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	6	0.33
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	6	0.33
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	6	0.33
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	6	0.33
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	17	0.33
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	17	0.33
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	17	0.33
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	17	0.33
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	17	0.33
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	17	0.33
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	7	0.33
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	7	0.33
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	7	0.33
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	9	0.33
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	9	0.33
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	9	0.33
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	9	0.33
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	9	0.33
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	9	0.33
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	9	0.33
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	9	0.33
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	9	0.33
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	11	0.33
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	11	0.33
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	11	0.33
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	11	0.33
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	11	0.33
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	11	0.33
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	11	0.33
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	11	0.33
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	11	0.33
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	16	0.33
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	16	0.33
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	16	0.33
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	16	0.33
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	16	0.33
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	16	0.33
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	16	0.33
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	16	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	16	0.33
(1,833)	1:34:A:ILE:HG21	1:34:A:ILE:HG12	10	0.33
(1,833)	1:34:A:ILE:HG22	1:34:A:ILE:HG12	10	0.33
(1,833)	1:34:A:ILE:HG23	1:34:A:ILE:HG12	10	0.33
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	11	0.33
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	11	0.33
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	11	0.33
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	11	0.33
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	11	0.33
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	11	0.33
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD1	2	0.33
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD2	2	0.33
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD1	2	0.33
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD2	2	0.33
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD1	2	0.33
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD2	2	0.33
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD1	10	0.33
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD2	10	0.33
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD1	10	0.33
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD2	10	0.33
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD1	10	0.33
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD2	10	0.33
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	9	0.33
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	9	0.33
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	9	0.33
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	3	0.33
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	3	0.33
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	3	0.33
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	3	0.33
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	3	0.33
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	3	0.33
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	3	0.33
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	3	0.33
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	3	0.33
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	18	0.33
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	18	0.33
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	18	0.33
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	18	0.33
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	18	0.33
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	18	0.33
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	18	0.33
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	18	0.33
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	17	0.33
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	17	0.33
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	17	0.33
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	19	0.33
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	19	0.33
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	19	0.33
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	20	0.33
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	20	0.33
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	20	0.33
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	17	0.33
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	17	0.33
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	17	0.33
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	17	0.33
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	17	0.33
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	17	0.33
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	18	0.33
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	18	0.33
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	18	0.33
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	18	0.33
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	18	0.33
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	18	0.33
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	1	0.33
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	1	0.33
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	1	0.33
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	1	0.33
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	1	0.33
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	1	0.33
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	1	0.33
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	1	0.33
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	1	0.33
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	18	0.33
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	18	0.33
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	18	0.33
(1,743)	1:12:A:VAL:HG21	1:13:A:GLY:H	7	0.33
(1,743)	1:12:A:VAL:HG22	1:13:A:GLY:H	7	0.33
(1,743)	1:12:A:VAL:HG23	1:13:A:GLY:H	7	0.33
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	17	0.33
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	17	0.33
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	17	0.33
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	17	0.33
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	17	0.33
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	19	0.33
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	19	0.33
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	19	0.33
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	19	0.33
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	19	0.33
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	19	0.33
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG11	13	0.33
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG12	13	0.33
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG13	13	0.33
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG21	13	0.33
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG22	13	0.33
(1,717)	1:39:A:VAL:H	1:39:A:VAL:HG23	13	0.33
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	20	0.33
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	20	0.33
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	20	0.33
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	11	0.33
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	11	0.33
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	11	0.33
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	11	0.33
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	11	0.33
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	11	0.33
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	4	0.33
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	4	0.33
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	4	0.33
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	4	0.33
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	4	0.33
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	4	0.33
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	4	0.33
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	4	0.33
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	4	0.33
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	8	0.33
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	8	0.33
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	8	0.33
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	8	0.33
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	8	0.33
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	8	0.33
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	8	0.33
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	8	0.33
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	8	0.33
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	13	0.33
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	13	0.33
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	18	0.33
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	18	0.33
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	18	0.33
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	5	0.33
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	5	0.33
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	5	0.33
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	15	0.33
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	15	0.33
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	15	0.33
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	7	0.33
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	7	0.33
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	7	0.33
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG11	20	0.33
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG12	20	0.33
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG13	20	0.33
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG11	20	0.33
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG12	20	0.33
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG13	20	0.33
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	5	0.33
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	5	0.33
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	5	0.33
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	11	0.33
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	11	0.33
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	14	0.33
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	14	0.33
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	20	0.33
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	20	0.33
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	20	0.33
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	20	0.33
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	20	0.33
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	20	0.33
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	1	0.33
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	1	0.33
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	1	0.33
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	10	0.33
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	10	0.33
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	10	0.33
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	10	0.33
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB1	4	0.33
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB2	4	0.33
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB3	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB1	4	0.33
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB2	4	0.33
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB3	4	0.33
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB1	4	0.33
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB2	4	0.33
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB3	4	0.33
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	2	0.33
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	2	0.33
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	2	0.33
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	14	0.33
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	14	0.33
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	14	0.33
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	14	0.33
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	16	0.33
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	16	0.33
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	16	0.33
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	16	0.33
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	16	0.33
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	16	0.33
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	1	0.33
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	1	0.33
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	2	0.33
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	2	0.33
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	10	0.33
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	10	0.33
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	18	0.33
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	18	0.33
(1,517)	1:37:A:ILE:HG12	1:54:A:VAL:HA	9	0.33
(1,517)	1:37:A:ILE:HG13	1:54:A:VAL:HA	9	0.33
(1,509)	1:46:A:LYS:HB3	1:47:A:LYS:H	14	0.33
(1,509)	1:46:A:LYS:HB3	1:47:A:LYS:H	16	0.33
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	3	0.33
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	3	0.33
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	3	0.33
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	5	0.33
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	5	0.33
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	5	0.33
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	5	0.33
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	5	0.33
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	5	0.33
(1,481)	1:73:A:GLU:H	1:73:A:GLU:HB3	7	0.33
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	3	0.33
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	4	0.33
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	8	0.33
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	8	0.33
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	9	0.33
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	9	0.33
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	7	0.33
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	7	0.33
(1,451)	1:43:A:MET:HB2	1:44:A:THR:H	19	0.33
(1,451)	1:43:A:MET:HB3	1:44:A:THR:H	19	0.33
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	9	0.33
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	9	0.33
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	9	0.33
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	9	0.33
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	18	0.33
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	20	0.33
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	19	0.33
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	6	0.33
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	13	0.33
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	1	0.33
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	1	0.33
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	19	0.33
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	6	0.33
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	16	0.33
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	18	0.33
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	18	0.33
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	1	0.33
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	18	0.33
(1,327)	1:42:A:ASN:HB2	1:47:A:LYS:H	11	0.33
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	6	0.33
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	9	0.33
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	14	0.33
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	13	0.33
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	16	0.33
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	18	0.33
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	17	0.33
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	6	0.33
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	6	0.33
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG11	5	0.33
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG12	5	0.33
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG13	5	0.33
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG11	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG12	13	0.33
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG13	13	0.33
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	6	0.33
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	16	0.33
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	15	0.33
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG21	3	0.33
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG22	3	0.33
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG23	3	0.33
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG21	3	0.33
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG22	3	0.33
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG23	3	0.33
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	20	0.33
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	20	0.33
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	9	0.33
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	15	0.33
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	11	0.33
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	13	0.33
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	18	0.33
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	7	0.33
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	7	0.33
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	10	0.33
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	12	0.33
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	18	0.33
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	19	0.33
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	13	0.33
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	5	0.33
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	2	0.33
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	4	0.33
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	16	0.33
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	4	0.33
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	5	0.33
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	5	0.33
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	7	0.33
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	7	0.33
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	11	0.33
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	16	0.33
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD2	10	0.33
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD3	10	0.33
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG21	14	0.33
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG22	14	0.33
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG23	14	0.33
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	6	0.33
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	9	0.33
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	13	0.33
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	4	0.33
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	1	0.33
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	1	0.33
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	1	0.33
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	2	0.33
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	2	0.33
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	2	0.33
(1,45)	1:30:A:SER:H	1:30:A:SER:HB3	10	0.33
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	9	0.33
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	9	0.33
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	20	0.33
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	20	0.33
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	13	0.33
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	13	0.33
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	5	0.33
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	6	0.33
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	10	0.33
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	7	0.32
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	7	0.32
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	7	0.32
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	7	0.32
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	7	0.32
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	7	0.32
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	8	0.32
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	8	0.32
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	8	0.32
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	5	0.32
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	5	0.32
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	5	0.32
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	5	0.32
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	5	0.32
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	5	0.32
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	5	0.32
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	5	0.32
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	5	0.32
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	2	0.32
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	2	0.32
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	2	0.32
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	4	0.32
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	4	0.32
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	4	0.32
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	4	0.32
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	4	0.32
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG21	3	0.32
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG22	3	0.32
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG23	3	0.32
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG21	12	0.32
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG22	12	0.32
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG23	12	0.32
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	15	0.32
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	15	0.32
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	15	0.32
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	3	0.32
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	3	0.32
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	15	0.32
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	15	0.32
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	15	0.32
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	15	0.32
(1,1445)	1:73:A:GLU:HG3	1:74:A:LEU:HA	12	0.32
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	14	0.32
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	14	0.32
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB1	14	0.32
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB2	14	0.32
(1,1437)	1:56:A:TYR:HB2	1:62:A:ALA:HB3	14	0.32
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	2	0.32
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	2	0.32
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	2	0.32
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	17	0.32
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	17	0.32
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	17	0.32
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	4	0.32
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	12	0.32
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	15	0.32
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	15	0.32
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	15	0.32
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	14	0.32
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	14	0.32
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	14	0.32
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	17	0.32
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	20	0.32
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	6	0.32
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	2	0.32
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	2	0.32
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	3	0.32
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	7	0.32
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	17	0.32
(1,1265)	1:8:A:ASP:H	1:9:A:ILE:HG12	17	0.32
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	3	0.32
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	3	0.32
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	9	0.32
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	9	0.32
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	14	0.32
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	2	0.32
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	7	0.32
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	13	0.32
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	6	0.32
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	8	0.32
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	10	0.32
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	14	0.32
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	16	0.32
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	17	0.32
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	1	0.32
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	4	0.32
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	9	0.32
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	16	0.32
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	19	0.32
(1,1228)	1:67:A:TYR:H	1:68:A:ASN:H	13	0.32
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	17	0.32
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	17	0.32
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	17	0.32
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	10	0.32
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	16	0.32
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	4	0.32
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	14	0.32
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	11	0.32
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	11	0.32
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	11	0.32
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	2	0.32
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	5	0.32
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	7	0.32
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	2	0.32
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	7	0.32
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	6	0.32
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	14	0.32
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	9	0.32
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	15	0.32
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	17	0.32
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	10	0.32
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	10	0.32
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	14	0.32
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	14	0.32
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	7	0.32
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	7	0.32
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	20	0.32
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	20	0.32
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	4	0.32
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	6	0.32
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	5	0.32
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	5	0.32
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	11	0.32
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	11	0.32
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	4	0.32
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	9	0.32
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	9	0.32
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	9	0.32
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	16	0.32
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	2	0.32
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	2	0.32
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	15	0.32
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	5	0.32
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	15	0.32
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	15	0.32
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	15	0.32
(1,983)	1:38:A:GLU:HB3	1:39:A:VAL:H	9	0.32
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	6	0.32
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	6	0.32
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	6	0.32
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	3	0.32
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	12	0.32
(1,937)	1:80:A:HIS:HB2	1:80:A:HIS:HD2	14	0.32
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	9	0.32
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	11	0.32
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	11	0.32
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	1	0.32
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	1	0.32
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	4	0.32
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	4	0.32
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	9	0.32
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	9	0.32
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	20	0.32
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	20	0.32
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	18	0.32
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	18	0.32
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	18	0.32
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	3	0.32
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	3	0.32
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	3	0.32
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	12	0.32
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	12	0.32
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	12	0.32
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	4	0.32
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	4	0.32
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	4	0.32
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	10	0.32
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	10	0.32
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	10	0.32
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	10	0.32
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	10	0.32
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	10	0.32
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	10	0.32
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	10	0.32
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	10	0.32
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	3	0.32
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	3	0.32
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	3	0.32
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	3	0.32
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	3	0.32
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	3	0.32
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	9	0.32
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	9	0.32
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	9	0.32
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	9	0.32
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	9	0.32
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	14	0.32
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	14	0.32
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	14	0.32
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	15	0.32
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	15	0.32
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	15	0.32
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	18	0.32
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	18	0.32
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	18	0.32
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	9	0.32
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	9	0.32
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	9	0.32
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	9	0.32
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	9	0.32
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	9	0.32
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	9	0.32
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	9	0.32
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	9	0.32
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	19	0.32
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	19	0.32
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	19	0.32
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	19	0.32
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	19	0.32
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	19	0.32
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	19	0.32
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	19	0.32
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	19	0.32
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	4	0.32
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	4	0.32
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	4	0.32
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	4	0.32
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	4	0.32
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	4	0.32
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	4	0.32
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	4	0.32
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	4	0.32
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	3	0.32
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	3	0.32
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	3	0.32
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	20	0.32
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	20	0.32
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	20	0.32
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	20	0.32
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	20	0.32
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	20	0.32
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	20	0.32
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	20	0.32
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	5	0.32
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	5	0.32
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	5	0.32
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	18	0.32
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	18	0.32
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	18	0.32
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	18	0.32
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	18	0.32
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	18	0.32
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	19	0.32
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	19	0.32
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	19	0.32
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	1	0.32
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	1	0.32
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	1	0.32
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	1	0.32
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	1	0.32
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	1	0.32
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	1	0.32
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	1	0.32
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	1	0.32
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	6	0.32
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	6	0.32
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	6	0.32
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	14	0.32
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	14	0.32
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	14	0.32
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	14	0.32
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	14	0.32
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	14	0.32
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	14	0.32
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	14	0.32
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	14	0.32
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	16	0.32
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	16	0.32
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	10	0.32
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	10	0.32
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	10	0.32
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	10	0.32
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	10	0.32
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	10	0.32
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	16	0.32
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	16	0.32
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	16	0.32
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	19	0.32
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	19	0.32
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	19	0.32
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	1	0.32
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	1	0.32
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	1	0.32
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	1	0.32
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	1	0.32
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	1	0.32
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	11	0.32
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	11	0.32
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	11	0.32
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	11	0.32
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	11	0.32
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	11	0.32
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	3	0.32
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	3	0.32
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	3	0.32
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	18	0.32
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	18	0.32
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	18	0.32
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	4	0.32
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	4	0.32
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	4	0.32
(1,600)	1:41:A:LEU:HD11	1:46:A:LYS:HA	19	0.32
(1,600)	1:41:A:LEU:HD12	1:46:A:LYS:HA	19	0.32
(1,600)	1:41:A:LEU:HD13	1:46:A:LYS:HA	19	0.32
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	6	0.32
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	6	0.32
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	6	0.32
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	7	0.32
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	7	0.32
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	2	0.32
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	2	0.32
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	2	0.32
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	2	0.32
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	2	0.32
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	2	0.32
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	9	0.32
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	9	0.32
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	9	0.32
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	12	0.32
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	12	0.32
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	12	0.32
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	7	0.32
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	7	0.32
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	5	0.32
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	5	0.32
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	5	0.32
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	4	0.32
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	4	0.32
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	4	0.32
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	20	0.32
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	20	0.32
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	20	0.32
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	16	0.32
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	16	0.32
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	16	0.32
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	7	0.32
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	7	0.32
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	7	0.32
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	20	0.32
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	20	0.32
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	20	0.32
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	3	0.32
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	12	0.32
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	15	0.32
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	15	0.32
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	20	0.32
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	20	0.32
(1,509)	1:46:A:LYS:HB3	1:47:A:LYS:H	13	0.32
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	8	0.32
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	8	0.32
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	5	0.32
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	10	0.32
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	10	0.32
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	10	0.32
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	9	0.32
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	4	0.32
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	16	0.32
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	12	0.32
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	3	0.32
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	3	0.32
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	18	0.32
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	17	0.32
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	14	0.32
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	14	0.32
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	14	0.32
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	17	0.32
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	6	0.32
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	13	0.32
(1,348)	1:48:A:ASN:H	1:48:A:ASN:HB3	8	0.32
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	4	0.32
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	6	0.32
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	12	0.32
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	1	0.32
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	4	0.32
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	16	0.32
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	11	0.32
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	20	0.32
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	1	0.32
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	6	0.32
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	17	0.32
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	18	0.32
(1,305)	1:9:A:ILE:H	1:9:A:ILE:HB	3	0.32
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	3	0.32
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	19	0.32
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	10	0.32
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	10	0.32
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	19	0.32
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	19	0.32
(1,272)	1:3:A:ASP:HB2	1:4:A:ASN:H	2	0.32
(1,272)	1:3:A:ASP:HB2	1:4:A:ASN:H	11	0.32
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	19	0.32
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	8	0.32
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	14	0.32
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	15	0.32
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG21	15	0.32
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG22	15	0.32
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG23	15	0.32
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG21	15	0.32
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG22	15	0.32
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG23	15	0.32
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	3	0.32
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	3	0.32
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	3	0.32
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	3	0.32
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	3	0.32
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	3	0.32
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	9	0.32
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	9	0.32
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA2	17	0.32
(1,219)	1:12:A:VAL:HA	1:13:A:GLY:HA3	17	0.32
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	1	0.32
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	1	0.32
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	1	0.32
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	6	0.32
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	6	0.32
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	6	0.32
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	1	0.32
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	11	0.32
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	11	0.32
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	8	0.32
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	12	0.32
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	12	0.32
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	19	0.32
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	19	0.32
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	19	0.32
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	1	0.32
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	12	0.32
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	11	0.32
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	3	0.32
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	4	0.32
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	5	0.32
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	11	0.32
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	13	0.32
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	14	0.32
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	16	0.32
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	17	0.32
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	6	0.32
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	6	0.32
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	6	0.32
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	11	0.32
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	11	0.32
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	11	0.32
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	14	0.32
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	14	0.32
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	14	0.32
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	20	0.32
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	12	0.32
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	4	0.32
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	9	0.32
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	2	0.32
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	16	0.32
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	9	0.32
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	9	0.32
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	2	0.32
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	15	0.32
(1,71)	1:81:A:VAL:HA	1:82:A:ASN:H	13	0.32
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	15	0.32
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	15	0.32
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	15	0.32
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	2	0.32
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	6	0.32
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	12	0.32
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	14	0.32
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	14	0.32
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	14	0.32
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	20	0.32
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	20	0.32
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	20	0.32
(1,47)	1:29:A:SER:HB2	1:34:A:ILE:HG13	10	0.32
(1,33)	1:23:A:SER:H	1:23:A:SER:HB2	20	0.32
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB2	8	0.32
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB3	8	0.32
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	17	0.32
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	17	0.32
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	2	0.31
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	2	0.31
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	2	0.31
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	2	0.31
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	2	0.31
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	2	0.31
(1,1537)	1:14:A:GLY:HA2	1:79:A:ILE:HA	20	0.31
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG21	4	0.31
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG22	4	0.31
(1,1536)	1:14:A:GLY:HA3	1:79:A:ILE:HG23	4	0.31
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	10	0.31
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	10	0.31
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	10	0.31
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	19	0.31
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	19	0.31
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	19	0.31
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	7	0.31
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	7	0.31
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	7	0.31
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	7	0.31
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	7	0.31
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	7	0.31
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	5	0.31
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	5	0.31
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	5	0.31
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	11	0.31
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	11	0.31
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	11	0.31
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	13	0.31
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	13	0.31
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	13	0.31
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	13	0.31
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	13	0.31
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	13	0.31
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	17	0.31
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	17	0.31
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	17	0.31
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	4	0.31
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	4	0.31
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	4	0.31
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	4	0.31
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	4	0.31
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	4	0.31
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	4	0.31
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	4	0.31
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	13	0.31
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	13	0.31
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	13	0.31
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	13	0.31
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	13	0.31
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	13	0.31
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	13	0.31
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	13	0.31
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	13	0.31
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	17	0.31
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	17	0.31
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	16	0.31
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	1	0.31
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	12	0.31
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	17	0.31
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	2	0.31
(1,1414)	1:58:A:GLU:HA	1:61:A:ASP:HB2	3	0.31
(1,1410)	1:70:A:ASN:HB2	1:80:A:HIS:HA	15	0.31
(1,1410)	1:70:A:ASN:HB3	1:80:A:HIS:HA	15	0.31
(1,1400)	1:1:A:MET:HA	1:1:A:MET:HG2	8	0.31
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	11	0.31
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	11	0.31
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	11	0.31
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	20	0.31
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	20	0.31
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	20	0.31
(1,1372)	1:12:A:VAL:HG11	1:81:A:VAL:HA	17	0.31
(1,1372)	1:12:A:VAL:HG12	1:81:A:VAL:HA	17	0.31
(1,1372)	1:12:A:VAL:HG13	1:81:A:VAL:HA	17	0.31
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD11	5	0.31
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD12	5	0.31
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD13	5	0.31
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD11	8	0.31
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD12	8	0.31
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD13	8	0.31
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	10	0.31
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	10	0.31
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	8	0.31
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	14	0.31
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	18	0.31
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	5	0.31
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	12	0.31
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	2	0.31
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	2	0.31
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	2	0.31
(1,1325)	1:42:A:ASN:HB2	1:45:A:THR:H	7	0.31
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG21	6	0.31
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG22	6	0.31
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG23	6	0.31
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	13	0.31
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	18	0.31
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	18	0.31
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	1	0.31
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	7	0.31
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	7	0.31
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	7	0.31
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	15	0.31
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	2	0.31
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	14	0.31
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	11	0.31
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	5	0.31
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	7	0.31
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	11	0.31
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	12	0.31
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	5	0.31
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	6	0.31
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	11	0.31
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	13	0.31
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	2	0.31
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	19	0.31
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	3	0.31
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	5	0.31
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	11	0.31
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	14	0.31
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	5	0.31
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	13	0.31
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	10	0.31
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	11	0.31
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	3	0.31
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	11	0.31
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	9	0.31
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	14	0.31
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	16	0.31
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	2	0.31
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	2	0.31
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	2	0.31
(1,1085)	1:12:A:VAL:H	1:52:A:ALA:H	16	0.31
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	20	0.31
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	14	0.31
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	15	0.31
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	4	0.31
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	6	0.31
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	7	0.31
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	7	0.31
(1,1068)	1:4:A:ASN:HD22	1:6:A:ALA:H	10	0.31
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	3	0.31
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	3	0.31
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	3	0.31
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	5	0.31
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	19	0.31
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	10	0.31
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	15	0.31
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	1	0.31
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	15	0.31
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	15	0.31
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	17	0.31
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	17	0.31
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	17	0.31
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	17	0.31
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	9	0.31
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	15	0.31
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	20	0.31
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	20	0.31
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	20	0.31
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD2	9	0.31
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD3	9	0.31
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	12	0.31
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	3	0.31
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	11	0.31
(1,937)	1:80:A:HIS:HB2	1:80:A:HIS:HD2	3	0.31
(1,929)	1:11:A:PHE:HB2	1:53:A:PHE:HE1	6	0.31
(1,929)	1:11:A:PHE:HB2	1:53:A:PHE:HE2	6	0.31
(1,929)	1:11:A:PHE:HB3	1:53:A:PHE:HE1	6	0.31
(1,929)	1:11:A:PHE:HB3	1:53:A:PHE:HE2	6	0.31
(1,929)	1:11:A:PHE:HB2	1:53:A:PHE:HE1	9	0.31
(1,929)	1:11:A:PHE:HB2	1:53:A:PHE:HE2	9	0.31
(1,929)	1:11:A:PHE:HB3	1:53:A:PHE:HE1	9	0.31
(1,929)	1:11:A:PHE:HB3	1:53:A:PHE:HE2	9	0.31
(1,925)	1:11:A:PHE:HE1	1:52:A:ALA:H	12	0.31
(1,925)	1:11:A:PHE:HE2	1:52:A:ALA:H	12	0.31
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD1	14	0.31
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD2	14	0.31
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	13	0.31
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	13	0.31
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	20	0.31
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	20	0.31
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	11	0.31
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	11	0.31
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	13	0.31
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	13	0.31
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	14	0.31
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	14	0.31
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	8	0.31
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	8	0.31
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	8	0.31
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	8	0.31
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	8	0.31
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	8	0.31
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	5	0.31
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	5	0.31
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	5	0.31
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG11	16	0.31
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG12	16	0.31
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG13	16	0.31
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG11	16	0.31
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG12	16	0.31
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG13	16	0.31
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG11	16	0.31
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG12	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG13	16	0.31
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	3	0.31
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	3	0.31
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	3	0.31
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	11	0.31
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	11	0.31
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	11	0.31
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG12	13	0.31
(1,853)	1:37:A:ILE:HG21	1:37:A:ILE:HG13	13	0.31
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG12	13	0.31
(1,853)	1:37:A:ILE:HG22	1:37:A:ILE:HG13	13	0.31
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG12	13	0.31
(1,853)	1:37:A:ILE:HG23	1:37:A:ILE:HG13	13	0.31
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	10	0.31
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	10	0.31
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	10	0.31
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	8	0.31
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	8	0.31
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	8	0.31
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD1	4	0.31
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD2	4	0.31
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD1	4	0.31
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD2	4	0.31
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD1	4	0.31
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD2	4	0.31
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	14	0.31
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	14	0.31
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	14	0.31
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	14	0.31
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	14	0.31
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	14	0.31
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	14	0.31
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	14	0.31
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	14	0.31
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	16	0.31
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	16	0.31
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	16	0.31
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	16	0.31
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	16	0.31
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	16	0.31
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	16	0.31
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	16	0.31
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	14	0.31
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	14	0.31
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	14	0.31
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	1	0.31
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	1	0.31
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	1	0.31
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	3	0.31
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	3	0.31
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	3	0.31
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	9	0.31
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	9	0.31
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	9	0.31
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	3	0.31
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	3	0.31
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	3	0.31
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	3	0.31
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	3	0.31
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	3	0.31
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	3	0.31
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	3	0.31
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	3	0.31
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	6	0.31
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	6	0.31
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	6	0.31
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	17	0.31
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	17	0.31
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	17	0.31
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	19	0.31
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	19	0.31
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	19	0.31
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	19	0.31
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	19	0.31
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	19	0.31
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	20	0.31
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	20	0.31
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	20	0.31
(1,704)	1:57:A:VAL:HG11	1:58:A:GLU:H	3	0.31
(1,704)	1:57:A:VAL:HG12	1:58:A:GLU:H	3	0.31
(1,704)	1:57:A:VAL:HG13	1:58:A:GLU:H	3	0.31
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	4	0.31
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	4	0.31
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	16	0.31
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	16	0.31
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	16	0.31
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG21	20	0.31
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG22	20	0.31
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG23	20	0.31
(1,689)	1:18:A:THR:H	1:18:A:THR:HG21	8	0.31
(1,689)	1:18:A:THR:H	1:18:A:THR:HG22	8	0.31
(1,689)	1:18:A:THR:H	1:18:A:THR:HG23	8	0.31
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	6	0.31
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	6	0.31
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	6	0.31
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	15	0.31
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	15	0.31
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	15	0.31
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	8	0.31
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	8	0.31
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	8	0.31
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	1	0.31
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	1	0.31
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	1	0.31
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	12	0.31
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	12	0.31
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	12	0.31
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	3	0.31
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	3	0.31
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	3	0.31
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	6	0.31
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	6	0.31
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	6	0.31
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	8	0.31
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	8	0.31
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	8	0.31
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	9	0.31
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	9	0.31
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	9	0.31
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	13	0.31
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	13	0.31
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	13	0.31
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	18	0.31
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	18	0.31
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	5	0.31
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	5	0.31
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	5	0.31
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	18	0.31
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	18	0.31
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	18	0.31
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	19	0.31
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	19	0.31
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	19	0.31
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	18	0.31
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	18	0.31
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	14	0.31
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	14	0.31
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	14	0.31
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	14	0.31
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	18	0.31
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	18	0.31
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	18	0.31
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	18	0.31
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	10	0.31
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	10	0.31
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	10	0.31
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	5	0.31
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	5	0.31
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	5	0.31
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD21	11	0.31
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD22	11	0.31
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD23	11	0.31
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	7	0.31
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	7	0.31
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	7	0.31
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	20	0.31
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	16	0.31
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	16	0.31
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	17	0.31
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	17	0.31
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	17	0.31
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	17	0.31
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	11	0.31
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	11	0.31
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	11	0.31
(1,519)	1:37:A:ILE:HG12	1:38:A:GLU:H	10	0.31
(1,519)	1:37:A:ILE:HG13	1:38:A:GLU:H	10	0.31
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	2	0.31
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	2	0.31
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	19	0.31
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	19	0.31
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	20	0.31
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	20	0.31
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	20	0.31
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	20	0.31
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	20	0.31
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	20	0.31
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	5	0.31
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	5	0.31
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	5	0.31
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	14	0.31
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	13	0.31
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	19	0.31
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	7	0.31
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	20	0.31
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD2	7	0.31
(1,463)	1:35:A:ARG:HB2	1:35:A:ARG:HD3	7	0.31
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	3	0.31
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	13	0.31
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	19	0.31
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	19	0.31
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	6	0.31
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	10	0.31
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	10	0.31
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	16	0.31
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	8	0.31
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	16	0.31
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	12	0.31
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	2	0.31
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	2	0.31
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	9	0.31
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	16	0.31
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	10	0.31
(1,363)	1:73:A:GLU:HG2	1:74:A:LEU:HA	10	0.31
(1,363)	1:73:A:GLU:HG2	1:74:A:LEU:HA	11	0.31
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:28:A:PHE:HB3	1:29:A:SER:H	5	0.31
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	2	0.31
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	19	0.31
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	8	0.31
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	17	0.31
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	1	0.31
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	8	0.31
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	5	0.31
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	3	0.31
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	4	0.31
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	13	0.31
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	15	0.31
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	20	0.31
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	16	0.31
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	9	0.31
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	8	0.31
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	1	0.31
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	13	0.31
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG11	1	0.31
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG12	1	0.31
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG13	1	0.31
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG11	19	0.31
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG12	19	0.31
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG13	19	0.31
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	17	0.31
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD11	8	0.31
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD12	8	0.31
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD13	8	0.31
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE2	5	0.31
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE3	5	0.31
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE2	10	0.31
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE3	10	0.31
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE2	18	0.31
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE3	18	0.31
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	10	0.31
(1,237)	1:16:A:ASP:HB2	1:17:A:GLU:H	20	0.31
(1,232)	1:20:A:ASP:HB3	1:21:A:GLU:H	20	0.31
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	4	0.31
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	4	0.31
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	4	0.31
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	4	0.31
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	4	0.31
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	9	0.31
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	16	0.31
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD1	20	0.31
(1,179)	1:6:A:ALA:HA	1:83:A:TYR:HD2	20	0.31
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	14	0.31
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	14	0.31
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	9	0.31
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	9	0.31
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	9	0.31
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	4	0.31
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	2	0.31
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	6	0.31
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	20	0.31
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	19	0.31
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	19	0.31
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	19	0.31
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	6	0.31
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	11	0.31
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	1	0.31
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	15	0.31
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	4	0.31
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	7	0.31
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	12	0.31
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	18	0.31
(1,101)	1:17:A:GLU:HA	1:47:A:LYS:HA	14	0.31
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	7	0.31
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	12	0.31
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	19	0.31
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	6	0.31
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	3	0.31
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	16	0.31
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	20	0.31
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	11	0.31
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	3	0.31
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	11	0.31
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	13	0.31
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	13	0.31
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	13	0.31
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	17	0.31
(1,23)	1:11:A:PHE:HB2	1:84:A:SER:HB2	11	0.31
(1,23)	1:11:A:PHE:HB2	1:84:A:SER:HB3	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:11:A:PHE:HB3	1:84:A:SER:HB2	11	0.31
(1,23)	1:11:A:PHE:HB3	1:84:A:SER:HB3	11	0.31
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB2	1	0.31
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB3	1	0.31
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB2	1	0.31
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB3	1	0.31
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	19	0.31
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	2	0.31
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	13	0.31
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	15	0.31
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	15	0.31
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	15	0.31
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	18	0.3
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	18	0.3
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	18	0.3
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	18	0.3
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	18	0.3
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	18	0.3
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	6	0.3
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	6	0.3
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG21	13	0.3
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG22	13	0.3
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG23	13	0.3
(1,1533)	1:13:A:GLY:H	1:80:A:HIS:HB3	4	0.3
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	4	0.3
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	4	0.3
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	4	0.3
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	13	0.3
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	13	0.3
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	13	0.3
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD11	13	0.3
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD12	13	0.3
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD13	13	0.3
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD11	20	0.3
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD12	20	0.3
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD13	20	0.3
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	9	0.3
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	9	0.3
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	9	0.3
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	9	0.3
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	9	0.3
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	18	0.3
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	18	0.3
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	18	0.3
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	18	0.3
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	18	0.3
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	18	0.3
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	13	0.3
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	13	0.3
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	13	0.3
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	7	0.3
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	7	0.3
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	7	0.3
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	7	0.3
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	7	0.3
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	7	0.3
(1,1487)	1:72:A:PHE:HE1	1:81:A:VAL:HG21	20	0.3
(1,1487)	1:72:A:PHE:HE1	1:81:A:VAL:HG22	20	0.3
(1,1487)	1:72:A:PHE:HE1	1:81:A:VAL:HG23	20	0.3
(1,1487)	1:72:A:PHE:HE2	1:81:A:VAL:HG21	20	0.3
(1,1487)	1:72:A:PHE:HE2	1:81:A:VAL:HG22	20	0.3
(1,1487)	1:72:A:PHE:HE2	1:81:A:VAL:HG23	20	0.3
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	10	0.3
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	10	0.3
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	10	0.3
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	10	0.3
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	10	0.3
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	10	0.3
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	10	0.3
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	10	0.3
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	10	0.3
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	15	0.3
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	15	0.3
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	15	0.3
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	15	0.3
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	15	0.3
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	15	0.3
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	15	0.3
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	15	0.3
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	15	0.3
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	11	0.3
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	11	0.3
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	11	0.3
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	11	0.3
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	11	0.3
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	14	0.3
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	14	0.3
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	10	0.3
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	10	0.3
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	3	0.3
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	12	0.3
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	12	0.3
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	12	0.3
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	12	0.3
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	8	0.3
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	8	0.3
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	4	0.3
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	14	0.3
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	18	0.3
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	18	0.3
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	18	0.3
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG2	20	0.3
(1,1399)	1:78:A:ARG:HA	1:78:A:ARG:HG3	20	0.3
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB2	2	0.3
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB3	2	0.3
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	5	0.3
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	5	0.3
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	5	0.3
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	20	0.3
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	20	0.3
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	20	0.3
(1,1351)	1:9:A:ILE:HG21	1:86:A:THR:HB	8	0.3
(1,1351)	1:9:A:ILE:HG22	1:86:A:THR:HB	8	0.3
(1,1351)	1:9:A:ILE:HG23	1:86:A:THR:HB	8	0.3
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	10	0.3
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	12	0.3
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	16	0.3
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	14	0.3
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	14	0.3
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	14	0.3
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	11	0.3
(1,1315)	1:11:A:PHE:HE1	1:13:A:GLY:H	11	0.3
(1,1315)	1:11:A:PHE:HE2	1:13:A:GLY:H	11	0.3
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	19	0.3
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	9	0.3
(1,1294)	1:3:A:ASP:HA	1:4:A:ASN:HD22	14	0.3
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	8	0.3
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	8	0.3
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD1	15	0.3
(1,1280)	1:51:A:PHE:H	1:51:A:PHE:HD2	15	0.3
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	15	0.3
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	2	0.3
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	3	0.3
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	11	0.3
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	12	0.3
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	12	0.3
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	17	0.3
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	17	0.3
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	8	0.3
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	18	0.3
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	5	0.3
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	10	0.3
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	15	0.3
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	4	0.3
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	12	0.3
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	14	0.3
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	18	0.3
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	9	0.3
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	9	0.3
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	11	0.3
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	17	0.3
(1,1184)	1:41:A:LEU:HD21	1:48:A:ASN:H	8	0.3
(1,1184)	1:41:A:LEU:HD22	1:48:A:ASN:H	8	0.3
(1,1184)	1:41:A:LEU:HD23	1:48:A:ASN:H	8	0.3
(1,1182)	1:47:A:LYS:HD2	1:48:A:ASN:H	19	0.3
(1,1182)	1:47:A:LYS:HD3	1:48:A:ASN:H	19	0.3
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	9	0.3
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	19	0.3
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	3	0.3
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	3	0.3
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	3	0.3
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	17	0.3
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	17	0.3
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	17	0.3
(1,1165)	1:21:A:GLU:H	1:21:A:GLU:HG3	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	4	0.3
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	7	0.3
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	10	0.3
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	10	0.3
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	10	0.3
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	13	0.3
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	13	0.3
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	6	0.3
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	6	0.3
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	6	0.3
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	12	0.3
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	12	0.3
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	12	0.3
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	3	0.3
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	3	0.3
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	8	0.3
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	12	0.3
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	12	0.3
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	12	0.3
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	9	0.3
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	9	0.3
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	2	0.3
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	17	0.3
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	9	0.3
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	10	0.3
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	16	0.3
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	11	0.3
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	4	0.3
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	4	0.3
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	4	0.3
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	5	0.3
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	5	0.3
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	5	0.3
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	7	0.3
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	14	0.3
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	19	0.3
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	17	0.3
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	13	0.3
(1,983)	1:38:A:GLU:HB3	1:39:A:VAL:H	6	0.3
(1,983)	1:38:A:GLU:HB3	1:39:A:VAL:H	14	0.3
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	1	0.3
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	14	0.3
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	14	0.3
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	14	0.3
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	14	0.3
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	14	0.3
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	14	0.3
(1,939)	1:64:A:HIS:HA	1:64:A:HIS:HD2	16	0.3
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	12	0.3
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	12	0.3
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD1	13	0.3
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD2	13	0.3
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	3	0.3
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	3	0.3
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD11	8	0.3
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD12	8	0.3
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD13	8	0.3
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD11	8	0.3
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD12	8	0.3
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD13	8	0.3
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD11	8	0.3
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD12	8	0.3
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD13	8	0.3
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	16	0.3
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	16	0.3
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	16	0.3
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	5	0.3
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	5	0.3
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	5	0.3
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	4	0.3
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	4	0.3
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	4	0.3
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	20	0.3
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	20	0.3
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	20	0.3
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	1	0.3
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	1	0.3
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	1	0.3
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	1	0.3
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	1	0.3
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	1	0.3
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	1	0.3
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	1	0.3
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	19	0.3
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	19	0.3
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	19	0.3
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	19	0.3
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	19	0.3
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	19	0.3
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	20	0.3
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	20	0.3
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	20	0.3
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	20	0.3
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	20	0.3
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	20	0.3
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	20	0.3
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	20	0.3
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	20	0.3
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	7	0.3
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	7	0.3
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	7	0.3
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	7	0.3
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	7	0.3
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	7	0.3
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	7	0.3
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	7	0.3
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	7	0.3
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	5	0.3
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	5	0.3
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	5	0.3
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	3	0.3
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	3	0.3
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	3	0.3
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	9	0.3
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	9	0.3
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	9	0.3
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	11	0.3
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	11	0.3
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	11	0.3
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	6	0.3
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	6	0.3
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	6	0.3
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	16	0.3
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	16	0.3
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	16	0.3
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	16	0.3
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	16	0.3
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	12	0.3
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	12	0.3
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	12	0.3
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	12	0.3
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	12	0.3
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	12	0.3
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	12	0.3
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	12	0.3
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	12	0.3
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE1	13	0.3
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE2	13	0.3
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE1	13	0.3
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE2	13	0.3
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE1	13	0.3
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE2	13	0.3
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	19	0.3
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	19	0.3
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	19	0.3
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	19	0.3
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	19	0.3
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	19	0.3
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	19	0.3
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	19	0.3
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	19	0.3
(1,743)	1:12:A:VAL:HG21	1:13:A:GLY:H	5	0.3
(1,743)	1:12:A:VAL:HG22	1:13:A:GLY:H	5	0.3
(1,743)	1:12:A:VAL:HG23	1:13:A:GLY:H	5	0.3
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	17	0.3
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	17	0.3
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	17	0.3
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	5	0.3
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	5	0.3
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	5	0.3
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	6	0.3
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	6	0.3
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	6	0.3
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	16	0.3
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	16	0.3
(1,724)	1:59:A:VAL:HG21	1:60:A:ASP:HA	14	0.3
(1,724)	1:59:A:VAL:HG22	1:60:A:ASP:HA	14	0.3
(1,724)	1:59:A:VAL:HG23	1:60:A:ASP:HA	14	0.3
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	3	0.3
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	3	0.3
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	3	0.3
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	3	0.3
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	3	0.3
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	3	0.3
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	4	0.3
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	4	0.3
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	4	0.3
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	8	0.3
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	8	0.3
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	8	0.3
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	17	0.3
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	17	0.3
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	17	0.3
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG21	11	0.3
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG22	11	0.3
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG23	11	0.3
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	15	0.3
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	15	0.3
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	15	0.3
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	15	0.3
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	15	0.3
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	15	0.3
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	15	0.3
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	15	0.3
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	15	0.3
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	7	0.3
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	7	0.3
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	7	0.3
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	3	0.3
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	3	0.3
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	3	0.3
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	12	0.3
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	12	0.3
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	12	0.3
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	19	0.3
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	19	0.3
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	20	0.3
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	20	0.3
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	20	0.3
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	1	0.3
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	1	0.3
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	1	0.3
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG2	20	0.3
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG3	20	0.3
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	16	0.3
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	16	0.3
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	16	0.3
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	19	0.3
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	19	0.3
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	19	0.3
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	1	0.3
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	1	0.3
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	1	0.3
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	7	0.3
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	7	0.3
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	7	0.3
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	11	0.3
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	11	0.3
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	11	0.3
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	11	0.3
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	11	0.3
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	11	0.3
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	19	0.3
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	19	0.3
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	8	0.3
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	8	0.3
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	8	0.3
(1,565)	1:66:A:LEU:HD21	1:83:A:TYR:H	13	0.3
(1,565)	1:66:A:LEU:HD22	1:83:A:TYR:H	13	0.3
(1,565)	1:66:A:LEU:HD23	1:83:A:TYR:H	13	0.3
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	9	0.3
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	9	0.3
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	9	0.3
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	9	0.3
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	9	0.3
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	9	0.3
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	9	0.3
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	9	0.3
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	8	0.3
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	8	0.3
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	8	0.3
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	17	0.3
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	17	0.3
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	17	0.3
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	9	0.3
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	9	0.3
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	9	0.3
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	2	0.3
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	15	0.3
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	15	0.3
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	5	0.3
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	1	0.3
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	1	0.3
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	1	0.3
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	1	0.3
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	2	0.3
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	2	0.3
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	2	0.3
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	2	0.3
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	9	0.3
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	9	0.3
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	15	0.3
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	15	0.3
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	15	0.3
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	15	0.3
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	15	0.3
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	15	0.3
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	17	0.3
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	2	0.3
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	2	0.3
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	4	0.3
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	19	0.3
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	11	0.3
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	2	0.3
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	2	0.3
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	8	0.3
(1,440)	1:43:A:MET:H	1:43:A:MET:HG2	19	0.3
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	10	0.3
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	14	0.3
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	14	0.3
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	10	0.3
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	17	0.3
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	5	0.3
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	10	0.3
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	8	0.3
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	1	0.3
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	15	0.3
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	16	0.3
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	16	0.3
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	16	0.3
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	14	0.3
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	14	0.3
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	14	0.3
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	14	0.3
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	14	0.3
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	14	0.3
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	5	0.3
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	3	0.3
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	3	0.3
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	10	0.3
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	13	0.3
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	14	0.3
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	6	0.3
(1,327)	1:42:A:ASN:HB2	1:47:A:LYS:H	14	0.3
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	2	0.3
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	18	0.3
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	2	0.3
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	9	0.3
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	12	0.3
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	3	0.3
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	10	0.3
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	13	0.3
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	2	0.3
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	7	0.3
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	13	0.3
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	15	0.3
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	16	0.3
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	8	0.3
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	15	0.3
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	15	0.3
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG11	17	0.3
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG12	17	0.3
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG13	17	0.3
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	1	0.3
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	13	0.3
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	13	0.3
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	9	0.3
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	10	0.3
(1,261)	1:24:A:LEU:HB2	1:25:A:TYR:H	16	0.3
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	8	0.3
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	8	0.3
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	15	0.3
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	15	0.3
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	15	0.3
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	15	0.3
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	8	0.3
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	8	0.3
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	8	0.3
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	13	0.3
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	11	0.3
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	11	0.3
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	12	0.3
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	13	0.3
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	16	0.3
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	18	0.3
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	20	0.3
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG2	6	0.3
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG3	6	0.3
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG2	8	0.3
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG3	8	0.3
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	11	0.3
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	11	0.3
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	11	0.3
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	12	0.3
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	11	0.3
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	11	0.3
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	1	0.3
(1,160)	1:75:A:ASN:H	1:75:A:ASN:HA	9	0.3
(1,159)	1:58:A:GLU:HA	1:59:A:VAL:H	15	0.3
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	20	0.3
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	20	0.3
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	2	0.3
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	3	0.3
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	19	0.3
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	4	0.3
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	17	0.3
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	20	0.3
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	12	0.3
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	2	0.3
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	3	0.3
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	11	0.3
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	14	0.3
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	15	0.3
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	17	0.3
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE1	13	0.3
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE2	13	0.3
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	10	0.3
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	13	0.3
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	12	0.3
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	12	0.3
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	12	0.3
(1,65)	1:21:A:GLU:HA	1:21:A:GLU:HG3	9	0.3
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	8	0.3
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	12	0.3
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	14	0.3
(1,35)	1:22:A:LYS:HD2	1:23:A:SER:HB3	20	0.3
(1,35)	1:22:A:LYS:HD3	1:23:A:SER:HB3	20	0.3
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	1	0.3
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	1	0.3
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	16	0.3
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	16	0.3
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	15	0.3
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	17	0.3
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	17	0.3
(1,1547)	1:15:A:ILE:HG21	1:80:A:HIS:H	6	0.29
(1,1547)	1:15:A:ILE:HG22	1:80:A:HIS:H	6	0.29
(1,1547)	1:15:A:ILE:HG23	1:80:A:HIS:H	6	0.29
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG21	16	0.29
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG22	16	0.29
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG23	16	0.29
(1,1533)	1:13:A:GLY:H	1:80:A:HIS:HB3	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	16	0.29
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	1	0.29
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	1	0.29
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	1	0.29
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	1	0.29
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	1	0.29
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	1	0.29
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	1	0.29
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	1	0.29
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	1	0.29
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	16	0.29
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	16	0.29
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	16	0.29
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	16	0.29
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	16	0.29
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	16	0.29
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	16	0.29
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	16	0.29
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	16	0.29
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	19	0.29
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	19	0.29
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	19	0.29
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	14	0.29
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	14	0.29
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	14	0.29
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	10	0.29
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	10	0.29
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	10	0.29
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	15	0.29
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	15	0.29
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	15	0.29
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB2	11	0.29
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB3	11	0.29
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB2	11	0.29
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB3	11	0.29
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB2	11	0.29
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB3	11	0.29
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	3	0.29
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	3	0.29
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	3	0.29
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	3	0.29
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	3	0.29
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	3	0.29
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	3	0.29
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	3	0.29
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD1	3	0.29
(1,1465)	1:10:A:LEU:HG	1:56:A:TYR:HD2	3	0.29
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	1	0.29
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	1	0.29
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	1	0.29
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	1	0.29
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	18	0.29
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	18	0.29
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	18	0.29
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	15	0.29
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	12	0.29
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	12	0.29
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	12	0.29
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD2	2	0.29
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD3	2	0.29
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	15	0.29
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	1	0.29
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	11	0.29
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	11	0.29
(1,1400)	1:1:A:MET:HA	1:1:A:MET:HG2	5	0.29
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	10	0.29
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	10	0.29
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	18	0.29
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	5	0.29
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	9	0.29
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	9	0.29
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	14	0.29
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	14	0.29
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	20	0.29
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	20	0.29
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	20	0.29
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	5	0.29
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	7	0.29
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	8	0.29
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	20	0.29
(1,1354)	1:8:A:ASP:HB3	1:59:A:VAL:HA	14	0.29
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	11	0.29
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	19	0.29
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG12	1	0.29
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG13	1	0.29
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG21	2	0.29
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG22	2	0.29
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG23	2	0.29
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	3	0.29
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	19	0.29
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	8	0.29
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	10	0.29
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	18	0.29
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	5	0.29
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	13	0.29
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	20	0.29
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	15	0.29
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	7	0.29
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	17	0.29
(1,1243)	1:31:A:PHE:H	1:32:A:GLY:H	11	0.29
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	1	0.29
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	2	0.29
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	3	0.29
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	13	0.29
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	3	0.29
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	14	0.29
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	17	0.29
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	20	0.29
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	6	0.29
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	8	0.29
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	13	0.29
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	5	0.29
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	19	0.29
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	8	0.29
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	8	0.29
(1,1216)	1:17:A:GLU:HB2	1:48:A:ASN:HD21	20	0.29
(1,1216)	1:17:A:GLU:HB3	1:48:A:ASN:HD21	20	0.29
(1,1214)	1:2:A:SER:H	1:3:A:ASP:H	13	0.29
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	12	0.29
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	18	0.29
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	10	0.29
(1,1199)	1:63:A:LYS:HB2	1:64:A:HIS:H	15	0.29
(1,1199)	1:63:A:LYS:HB3	1:64:A:HIS:H	15	0.29
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	6	0.29
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	18	0.29
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	18	0.29
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	18	0.29
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	2	0.29
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	18	0.29
(1,1140)	1:4:A:ASN:H	1:82:A:ASN:HD22	19	0.29
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	12	0.29
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	2	0.29
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	4	0.29
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	19	0.29
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	20	0.29
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	4	0.29
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	7	0.29
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	15	0.29
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	14	0.29
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	2	0.29
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	9	0.29
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	9	0.29
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	9	0.29
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	5	0.29
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	18	0.29
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	19	0.29
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	20	0.29
(1,1057)	1:9:A:ILE:HG21	1:54:A:VAL:H	11	0.29
(1,1057)	1:9:A:ILE:HG22	1:54:A:VAL:H	11	0.29
(1,1057)	1:9:A:ILE:HG23	1:54:A:VAL:H	11	0.29
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	20	0.29
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	1	0.29
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	4	0.29
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	14	0.29
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	10	0.29
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	10	0.29
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	18	0.29
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	18	0.29
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	18	0.29
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	10	0.29
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	10	0.29
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	10	0.29
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	9	0.29
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	9	0.29
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	7	0.29
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	7	0.29
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	7	0.29
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	9	0.29
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	9	0.29
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	9	0.29
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	13	0.29
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	7	0.29
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	7	0.29
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	7	0.29
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	15	0.29
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	15	0.29
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	15	0.29
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	13	0.29
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	20	0.29
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	20	0.29
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	20	0.29
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	17	0.29
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	17	0.29
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	10	0.29
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	10	0.29
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	12	0.29
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	12	0.29
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD11	5	0.29
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD12	5	0.29
(1,897)	1:28:A:PHE:HB2	1:34:A:ILE:HD13	5	0.29
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	17	0.29
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	17	0.29
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	17	0.29
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	17	0.29
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	17	0.29
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	17	0.29
(1,883)	1:15:A:ILE:HD11	1:48:A:ASN:HD21	20	0.29
(1,883)	1:15:A:ILE:HD12	1:48:A:ASN:HD21	20	0.29
(1,883)	1:15:A:ILE:HD13	1:48:A:ASN:HD21	20	0.29
(1,858)	1:9:A:ILE:HD11	1:55:A:GLU:HG2	2	0.29
(1,858)	1:9:A:ILE:HD12	1:55:A:GLU:HG2	2	0.29
(1,858)	1:9:A:ILE:HD13	1:55:A:GLU:HG2	2	0.29
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	15	0.29
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	15	0.29
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	15	0.29
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	7	0.29
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	7	0.29
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	7	0.29
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	7	0.29
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	7	0.29
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	7	0.29
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	7	0.29
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	7	0.29
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	4	0.29
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	4	0.29
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	4	0.29
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	4	0.29
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	4	0.29
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	4	0.29
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	4	0.29
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	4	0.29
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	4	0.29
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	13	0.29
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	13	0.29
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	13	0.29
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	19	0.29
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	19	0.29
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	19	0.29
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	14	0.29
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	14	0.29
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	14	0.29
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	14	0.29
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	14	0.29
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	14	0.29
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	14	0.29
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	14	0.29
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	14	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	2	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	2	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	2	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	6	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	6	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	6	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	8	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	8	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	8	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	13	0.29
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	13	0.29
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	14	0.29
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	14	0.29
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	14	0.29
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	14	0.29
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	14	0.29
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	14	0.29
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	10	0.29
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	10	0.29
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	10	0.29
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	10	0.29
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	10	0.29
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	10	0.29
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	10	0.29
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	10	0.29
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	10	0.29
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	14	0.29
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	14	0.29
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	14	0.29
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	14	0.29
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	14	0.29
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	14	0.29
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	14	0.29
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	14	0.29
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	14	0.29
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	18	0.29
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	18	0.29
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	18	0.29
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE1	14	0.29
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE2	14	0.29
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE1	14	0.29
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE2	14	0.29
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE1	14	0.29
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE2	14	0.29
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	15	0.29
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	15	0.29
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	15	0.29
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	15	0.29
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	15	0.29
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	15	0.29
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	15	0.29
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	15	0.29
(1,743)	1:12:A:VAL:HG21	1:13:A:GLY:H	14	0.29
(1,743)	1:12:A:VAL:HG22	1:13:A:GLY:H	14	0.29
(1,743)	1:12:A:VAL:HG23	1:13:A:GLY:H	14	0.29
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	15	0.29
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	15	0.29
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	15	0.29
(1,728)	1:59:A:VAL:HG21	1:60:A:ASP:H	13	0.29
(1,728)	1:59:A:VAL:HG22	1:60:A:ASP:H	13	0.29
(1,728)	1:59:A:VAL:HG23	1:60:A:ASP:H	13	0.29
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	3	0.29
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	3	0.29
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	3	0.29
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	13	0.29
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	13	0.29
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	13	0.29
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	14	0.29
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	14	0.29
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	14	0.29
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	11	0.29
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	11	0.29
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	11	0.29
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	13	0.29
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	13	0.29
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	13	0.29
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	11	0.29
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	11	0.29
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	11	0.29
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	8	0.29
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	8	0.29
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	8	0.29
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	3	0.29
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	3	0.29
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	3	0.29
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	20	0.29
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	20	0.29
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	20	0.29
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	16	0.29
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	16	0.29
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	16	0.29
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	18	0.29
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	18	0.29
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	20	0.29
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	20	0.29
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	20	0.29
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	8	0.29
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	8	0.29
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	8	0.29
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	8	0.29
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	8	0.29
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	8	0.29
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD21	15	0.29
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD22	15	0.29
(1,635)	1:10:A:LEU:H	1:10:A:LEU:HD23	15	0.29
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	5	0.29
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	5	0.29
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	5	0.29
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	15	0.29
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	15	0.29
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	15	0.29
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	12	0.29
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	12	0.29
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	16	0.29
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	16	0.29
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	4	0.29
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	4	0.29
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	4	0.29
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	16	0.29
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	16	0.29
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	16	0.29
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	2	0.29
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	2	0.29
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	2	0.29
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	9	0.29
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	9	0.29
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	9	0.29
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	3	0.29
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	3	0.29
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	3	0.29
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	4	0.29
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	4	0.29
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	12	0.29
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	12	0.29
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	12	0.29
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	13	0.29
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	13	0.29
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	13	0.29
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	3	0.29
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	3	0.29
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	3	0.29
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	14	0.29
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	14	0.29
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	14	0.29
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	13	0.29
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	13	0.29
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	16	0.29
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	16	0.29
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	8	0.29
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	8	0.29
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	8	0.29
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	1	0.29
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	1	0.29
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	1	0.29
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	10	0.29
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	10	0.29
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	10	0.29
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	17	0.29
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	17	0.29
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	17	0.29
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	8	0.29
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	8	0.29
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	8	0.29
(1,567)	1:66:A:LEU:HD21	1:67:A:TYR:H	18	0.29
(1,567)	1:66:A:LEU:HD22	1:67:A:TYR:H	18	0.29
(1,567)	1:66:A:LEU:HD23	1:67:A:TYR:H	18	0.29
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD21	20	0.29
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD22	20	0.29
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD23	20	0.29
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	1	0.29
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	1	0.29
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	1	0.29
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	4	0.29
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	16	0.29
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	8	0.29
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	8	0.29
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	19	0.29
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	19	0.29
(1,544)	1:27:A:ILE:HG12	1:28:A:PHE:H	14	0.29
(1,544)	1:27:A:ILE:HG13	1:28:A:PHE:H	14	0.29
(1,540)	1:9:A:ILE:HG12	1:55:A:GLU:HA	14	0.29
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	2	0.29
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	19	0.29
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	19	0.29
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	19	0.29
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	19	0.29
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	6	0.29
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	6	0.29
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	5	0.29
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	14	0.29
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	11	0.29
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	6	0.29
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	10	0.29
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	10	0.29
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	13	0.29
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	11	0.29
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	11	0.29
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	7	0.29
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	7	0.29
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	7	0.29
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	3	0.29
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	19	0.29
(1,403)	1:58:A:GLU:HA	1:58:A:GLU:HG2	14	0.29
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	13	0.29
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	13	0.29
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	7	0.29
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	7	0.29
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	7	0.29
(1,394)	1:55:A:GLU:H	1:55:A:GLU:HG3	15	0.29
(1,362)	1:73:A:GLU:HG2	1:77:A:LYS:H	8	0.29
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	2	0.29
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	2	0.29
(1,342)	1:25:A:TYR:H	1:25:A:TYR:HB3	18	0.29
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	15	0.29
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	19	0.29
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	4	0.29
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	4	0.29
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	15	0.29
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	15	0.29
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	8	0.29
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	13	0.29
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	20	0.29
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	11	0.29
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	1	0.29
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	14	0.29
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	14	0.29
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	2	0.29
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	2	0.29
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	17	0.29
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	17	0.29
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG11	15	0.29
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG12	15	0.29
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG13	15	0.29
(1,249)	1:36:A:ASN:HB3	1:55:A:GLU:HB3	15	0.29
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	6	0.29
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	3	0.29
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	3	0.29
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	19	0.29
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	10	0.29
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	10	0.29
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	8	0.29
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	16	0.29
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	11	0.29
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	11	0.29
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	11	0.29
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	16	0.29
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	14	0.29
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	1	0.29
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	8	0.29
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	8	0.29
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	8	0.29
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	6	0.29
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	13	0.29
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	18	0.29
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	2	0.29
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	3	0.29
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	3	0.29
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	18	0.29
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	18	0.29
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	18	0.29
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	2	0.29
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	2	0.29
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	5	0.29
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	15	0.29
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	13	0.29
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	14	0.29
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	19	0.29
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	18	0.29
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	1	0.29
(1,136)	1:78:A:ARG:HA	1:79:A:ILE:H	9	0.29
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	10	0.29
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	18	0.29
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	6	0.29
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	3	0.29
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	20	0.29
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	13	0.29
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	13	0.29
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	2	0.29
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	10	0.29
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	13	0.29
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD2	9	0.29
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD3	9	0.29
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	3	0.29
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	1	0.29
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	1	0.29
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	1	0.29
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	19	0.29
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	19	0.29
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	19	0.29
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	10	0.29
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	7	0.29
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	7	0.29
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	7	0.29
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	18	0.29
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	18	0.29
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	18	0.29
(1,33)	1:23:A:SER:H	1:23:A:SER:HB2	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:23:A:SER:H	1:23:A:SER:HB2	18	0.29
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	6	0.29
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	10	0.29
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	18	0.29
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	18	0.29
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	5	0.28
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	5	0.28
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	5	0.28
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	5	0.28
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	5	0.28
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	5	0.28
(1,1533)	1:13:A:GLY:H	1:80:A:HIS:HB3	5	0.28
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	11	0.28
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	18	0.28
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	18	0.28
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	18	0.28
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD11	20	0.28
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD12	20	0.28
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD13	20	0.28
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG21	19	0.28
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG22	19	0.28
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG23	19	0.28
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG21	19	0.28
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG22	19	0.28
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG23	19	0.28
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB2	3	0.28
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB3	3	0.28
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB2	3	0.28
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB3	3	0.28
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB2	3	0.28
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB3	3	0.28
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	8	0.28
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	8	0.28
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	8	0.28
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG11	2	0.28
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG12	2	0.28
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG13	2	0.28
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG11	2	0.28
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG12	2	0.28
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG13	2	0.28
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG11	2	0.28
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG12	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG13	2	0.28
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	11	0.28
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	11	0.28
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	5	0.28
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	5	0.28
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	19	0.28
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	19	0.28
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	10	0.28
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	19	0.28
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	3	0.28
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	3	0.28
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	3	0.28
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	3	0.28
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	17	0.28
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	17	0.28
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	17	0.28
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	17	0.28
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	1	0.28
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	1	0.28
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	4	0.28
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	4	0.28
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	4	0.28
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	4	0.28
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	4	0.28
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	4	0.28
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	20	0.28
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	20	0.28
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	20	0.28
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	20	0.28
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	20	0.28
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	20	0.28
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	9	0.28
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	9	0.28
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	9	0.28
(1,1400)	1:1:A:MET:HA	1:1:A:MET:HG2	18	0.28
(1,1391)	1:11:A:PHE:HB2	1:84:A:SER:HA	15	0.28
(1,1391)	1:11:A:PHE:HB3	1:84:A:SER:HA	15	0.28
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD1	2	0.28
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD2	2	0.28
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	4	0.28
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	10	0.28
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	18	0.28
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	14	0.28
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	14	0.28
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	14	0.28
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	12	0.28
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	12	0.28
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	12	0.28
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	18	0.28
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	18	0.28
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	18	0.28
(1,1351)	1:9:A:ILE:HG21	1:86:A:THR:HB	3	0.28
(1,1351)	1:9:A:ILE:HG22	1:86:A:THR:HB	3	0.28
(1,1351)	1:9:A:ILE:HG23	1:86:A:THR:HB	3	0.28
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	3	0.28
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG21	14	0.28
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG22	14	0.28
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG23	14	0.28
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	19	0.28
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	9	0.28
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	4	0.28
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	13	0.28
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	14	0.28
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	6	0.28
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	11	0.28
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	19	0.28
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	4	0.28
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	6	0.28
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	12	0.28
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	14	0.28
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	19	0.28
(1,1258)	1:23:A:SER:HB2	1:27:A:ILE:H	15	0.28
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	12	0.28
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	13	0.28
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	16	0.28
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	16	0.28
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	5	0.28
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	12	0.28
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	2	0.28
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	6	0.28
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	20	0.28
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	4	0.28
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	13	0.28
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	19	0.28
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	2	0.28
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	2	0.28
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	2	0.28
(1,1184)	1:41:A:LEU:HD21	1:48:A:ASN:H	9	0.28
(1,1184)	1:41:A:LEU:HD22	1:48:A:ASN:H	9	0.28
(1,1184)	1:41:A:LEU:HD23	1:48:A:ASN:H	9	0.28
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	10	0.28
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	5	0.28
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	15	0.28
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	2	0.28
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	8	0.28
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	13	0.28
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	8	0.28
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	16	0.28
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	5	0.28
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	19	0.28
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	18	0.28
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	3	0.28
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	19	0.28
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	17	0.28
(1,1085)	1:12:A:VAL:H	1:52:A:ALA:H	8	0.28
(1,1083)	1:39:A:VAL:HG11	1:52:A:ALA:H	19	0.28
(1,1083)	1:39:A:VAL:HG12	1:52:A:ALA:H	19	0.28
(1,1083)	1:39:A:VAL:HG13	1:52:A:ALA:H	19	0.28
(1,1083)	1:39:A:VAL:HG21	1:52:A:ALA:H	19	0.28
(1,1083)	1:39:A:VAL:HG22	1:52:A:ALA:H	19	0.28
(1,1083)	1:39:A:VAL:HG23	1:52:A:ALA:H	19	0.28
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	13	0.28
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	5	0.28
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	6	0.28
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	7	0.28
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	3	0.28
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	3	0.28
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	3	0.28
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	12	0.28
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	12	0.28
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	10	0.28
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	9	0.28
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	13	0.28
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	6	0.28
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	6	0.28
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	14	0.28
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	14	0.28
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	14	0.28
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	18	0.28
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	18	0.28
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	18	0.28
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	18	0.28
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	6	0.28
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	4	0.28
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	8	0.28
(1,974)	1:73:A:GLU:HB2	1:75:A:ASN:H	14	0.28
(1,967)	1:55:A:GLU:HG2	1:56:A:TYR:H	17	0.28
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	10	0.28
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	10	0.28
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	10	0.28
(1,957)	1:73:A:GLU:HB3	1:74:A:LEU:H	2	0.28
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	16	0.28
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	5	0.28
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	20	0.28
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	20	0.28
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	9	0.28
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	9	0.28
(1,939)	1:64:A:HIS:HA	1:64:A:HIS:HD2	20	0.28
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	6	0.28
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	6	0.28
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	15	0.28
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	15	0.28
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	9	0.28
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	9	0.28
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	14	0.28
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	14	0.28
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	14	0.28
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	14	0.28
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	14	0.28
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	14	0.28
(1,870)	1:9:A:ILE:HD11	1:55:A:GLU:HG3	5	0.28
(1,870)	1:9:A:ILE:HD12	1:55:A:GLU:HG3	5	0.28
(1,870)	1:9:A:ILE:HD13	1:55:A:GLU:HG3	5	0.28
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	5	0.28
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	5	0.28
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	17	0.28
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	17	0.28
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	17	0.28
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	5	0.28
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	5	0.28
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	5	0.28
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	1	0.28
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	1	0.28
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	1	0.28
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	6	0.28
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	6	0.28
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	6	0.28
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	6	0.28
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	6	0.28
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	6	0.28
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	6	0.28
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	6	0.28
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	6	0.28
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	16	0.28
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	16	0.28
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	16	0.28
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	17	0.28
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	17	0.28
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	17	0.28
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	10	0.28
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	10	0.28
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	10	0.28
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	2	0.28
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	2	0.28
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	2	0.28
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	12	0.28
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	12	0.28
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	12	0.28
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	16	0.28
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	16	0.28
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	16	0.28
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	9	0.28
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	9	0.28
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	9	0.28
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	1	0.28
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	1	0.28
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	1	0.28
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	1	0.28
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	1	0.28
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	11	0.28
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	11	0.28
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	11	0.28
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	2	0.28
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	2	0.28
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	2	0.28
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	5	0.28
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	5	0.28
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	5	0.28
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	9	0.28
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	9	0.28
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	9	0.28
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	9	0.28
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	9	0.28
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	9	0.28
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	6	0.28
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	6	0.28
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	6	0.28
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	19	0.28
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	19	0.28
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	19	0.28
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	2	0.28
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	2	0.28
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	2	0.28
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	4	0.28
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	4	0.28
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	4	0.28
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	20	0.28
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	20	0.28
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	20	0.28
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	13	0.28
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	13	0.28
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	13	0.28
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	2	0.28
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	2	0.28
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	2	0.28
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	14	0.28
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	14	0.28
(1,613)	1:66:A:LEU:HD11	1:82:A:ASN:HD22	16	0.28
(1,613)	1:66:A:LEU:HD12	1:82:A:ASN:HD22	16	0.28
(1,613)	1:66:A:LEU:HD13	1:82:A:ASN:HD22	16	0.28
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	2	0.28
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	2	0.28
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	2	0.28
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	2	0.28
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	2	0.28
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	2	0.28
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	11	0.28
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	11	0.28
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	11	0.28
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	5	0.28
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	5	0.28
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	5	0.28
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	4	0.28
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	4	0.28
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	4	0.28
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	1	0.28
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	1	0.28
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	1	0.28
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	18	0.28
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	18	0.28
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	18	0.28
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	12	0.28
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	13	0.28
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	4	0.28
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	4	0.28
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	4	0.28
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	6	0.28
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	6	0.28
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	6	0.28
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	10	0.28
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	10	0.28
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	13	0.28
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	8	0.28
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	8	0.28
(1,512)	1:77:A:LYS:HD2	1:78:A:ARG:H	13	0.28
(1,512)	1:77:A:LYS:HD3	1:78:A:ARG:H	13	0.28
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	6	0.28
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	6	0.28
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	6	0.28
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	6	0.28
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	6	0.28
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	12	0.28
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	17	0.28
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	8	0.28
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	8	0.28
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	12	0.28
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	10	0.28
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	9	0.28
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	9	0.28
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	1	0.28
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	18	0.28
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	7	0.28
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	8	0.28
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	8	0.28
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	19	0.28
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	7	0.28
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	7	0.28
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	19	0.28
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	19	0.28
(1,363)	1:73:A:GLU:HG2	1:74:A:LEU:HA	15	0.28
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	16	0.28
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	6	0.28
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	9	0.28
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	10	0.28
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	19	0.28
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	20	0.28
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	7	0.28
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	14	0.28
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	10	0.28
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	10	0.28
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	12	0.28
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	16	0.28
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	17	0.28
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	8	0.28
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	18	0.28
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	17	0.28
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	2	0.28
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	2	0.28
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	15	0.28
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	15	0.28
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	20	0.28
(1,254)	1:41:A:LEU:HD11	1:46:A:LYS:HE2	19	0.28
(1,254)	1:41:A:LEU:HD11	1:46:A:LYS:HE3	19	0.28
(1,254)	1:41:A:LEU:HD12	1:46:A:LYS:HE2	19	0.28
(1,254)	1:41:A:LEU:HD12	1:46:A:LYS:HE3	19	0.28
(1,254)	1:41:A:LEU:HD13	1:46:A:LYS:HE2	19	0.28
(1,254)	1:41:A:LEU:HD13	1:46:A:LYS:HE3	19	0.28
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	4	0.28
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG11	4	0.28
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG12	4	0.28
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG13	4	0.28
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG11	4	0.28
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG12	4	0.28
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG13	4	0.28
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	13	0.28
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	13	0.28
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	13	0.28
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	13	0.28
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	18	0.28
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	18	0.28
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	18	0.28
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	18	0.28
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	1	0.28
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	2	0.28
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	2	0.28
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	2	0.28
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	8	0.28
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	16	0.28
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	7	0.28
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG2	9	0.28
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG3	9	0.28
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	16	0.28
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	3	0.28
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	3	0.28
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	10	0.28
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	4	0.28
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	9	0.28
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	19	0.28
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	2	0.28
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	10	0.28
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	7	0.28
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	20	0.28
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	1	0.28
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	7	0.28
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	20	0.28
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	8	0.28
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	20	0.28
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	20	0.28
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	7	0.28
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	9	0.28
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	18	0.28
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	7	0.28
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	7	0.28
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	7	0.28
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	8	0.28
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	8	0.28
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	8	0.28
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	8	0.28
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	5	0.28
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	5	0.28
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	5	0.28
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	18	0.28
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	18	0.28
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	18	0.28
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	15	0.28
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG21	20	0.28
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG22	20	0.28
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG23	20	0.28
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	2	0.28
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	17	0.28
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	17	0.28
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	17	0.28
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD11	10	0.28
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD12	10	0.28
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD13	10	0.28
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	20	0.28
(1,33)	1:23:A:SER:H	1:23:A:SER:HB2	10	0.28
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	8	0.28
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	8	0.28
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	9	0.28
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	1	0.28
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	5	0.28
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	5	0.28
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	20	0.27
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	20	0.27
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	20	0.27
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	20	0.27
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	20	0.27
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	20	0.27
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	16	0.27
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	16	0.27
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	19	0.27
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	19	0.27
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG21	9	0.27
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG22	9	0.27
(1,1542)	1:15:A:ILE:HA	1:79:A:ILE:HG23	9	0.27
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG21	18	0.27
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG22	18	0.27
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG23	18	0.27
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	1	0.27
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	1	0.27
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	1	0.27
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	15	0.27
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	15	0.27
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	15	0.27
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	15	0.27
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	15	0.27
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	15	0.27
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	15	0.27
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	15	0.27
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	15	0.27
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	13	0.27
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	13	0.27
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	13	0.27
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD11	13	0.27
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD12	13	0.27
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD13	13	0.27
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	3	0.27
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	3	0.27
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	3	0.27
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	12	0.27
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	12	0.27
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	13	0.27
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	13	0.27
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	13	0.27
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	5	0.27
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	5	0.27
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	5	0.27
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	7	0.27
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	7	0.27
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	7	0.27
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	20	0.27
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	20	0.27
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	20	0.27
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	5	0.27
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	5	0.27
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	5	0.27
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	5	0.27
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	5	0.27
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	5	0.27
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	8	0.27
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	8	0.27
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	8	0.27
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	13	0.27
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	13	0.27
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	13	0.27
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	18	0.27
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	18	0.27
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	18	0.27
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	18	0.27
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	18	0.27
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	20	0.27
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	20	0.27
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	18	0.27
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	18	0.27
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	18	0.27
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	18	0.27
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	13	0.27
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	13	0.27
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	13	0.27
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	16	0.27
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	16	0.27
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	4	0.27
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	13	0.27
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	13	0.27
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE1	8	0.27
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE2	8	0.27
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	12	0.27
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	12	0.27
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	12	0.27
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	12	0.27
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	12	0.27
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	12	0.27
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	15	0.27
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	15	0.27
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	15	0.27
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD11	8	0.27
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD12	8	0.27
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD13	8	0.27
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	2	0.27
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	11	0.27
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	3	0.27
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	5	0.27
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	5	0.27
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	5	0.27
(1,1397)	1:11:A:PHE:HB2	1:53:A:PHE:HA	18	0.27
(1,1397)	1:11:A:PHE:HB3	1:53:A:PHE:HA	18	0.27
(1,1391)	1:11:A:PHE:HB2	1:84:A:SER:HA	13	0.27
(1,1391)	1:11:A:PHE:HB3	1:84:A:SER:HA	13	0.27
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	4	0.27
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	4	0.27
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	7	0.27
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	7	0.27
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	18	0.27
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	18	0.27
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	11	0.27
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	11	0.27
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	11	0.27
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	14	0.27
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	18	0.27
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	17	0.27
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	17	0.27
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	17	0.27
(1,1351)	1:9:A:ILE:HG21	1:86:A:THR:HB	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:9:A:ILE:HG22	1:86:A:THR:HB	18	0.27
(1,1351)	1:9:A:ILE:HG23	1:86:A:THR:HB	18	0.27
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	17	0.27
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	20	0.27
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	8	0.27
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	1	0.27
(1,1315)	1:11:A:PHE:HE1	1:13:A:GLY:H	14	0.27
(1,1315)	1:11:A:PHE:HE2	1:13:A:GLY:H	14	0.27
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	5	0.27
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG21	5	0.27
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG22	5	0.27
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG23	5	0.27
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	5	0.27
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	16	0.27
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	19	0.27
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	9	0.27
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	12	0.27
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	9	0.27
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	13	0.27
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	5	0.27
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	5	0.27
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	11	0.27
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	11	0.27
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	5	0.27
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	4	0.27
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	11	0.27
(1,1248)	1:38:A:GLU:HG2	1:53:A:PHE:H	20	0.27
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	3	0.27
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	9	0.27
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	6	0.27
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	4	0.27
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	6	0.27
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	7	0.27
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	19	0.27
(1,1177)	1:9:A:ILE:H	1:10:A:LEU:H	11	0.27
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	1	0.27
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	2	0.27
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	9	0.27
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	8	0.27
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	8	0.27
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	8	0.27
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	8	0.27
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	16	0.27
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	16	0.27
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	16	0.27
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	12	0.27
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	13	0.27
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	19	0.27
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	2	0.27
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	11	0.27
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	12	0.27
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	17	0.27
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	8	0.27
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	12	0.27
(1,1089)	1:85:A:LYS:HB3	1:86:A:THR:H	20	0.27
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	19	0.27
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	5	0.27
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	8	0.27
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	5	0.27
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	5	0.27
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	6	0.27
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	6	0.27
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	10	0.27
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	10	0.27
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	17	0.27
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	17	0.27
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	17	0.27
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	4	0.27
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	8	0.27
(1,1064)	1:71:A:ASN:H	1:72:A:PHE:H	14	0.27
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	6	0.27
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	4	0.27
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	19	0.27
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	19	0.27
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	7	0.27
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	7	0.27
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	20	0.27
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	20	0.27
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	10	0.27
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	10	0.27
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	10	0.27
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	8	0.27
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	11	0.27
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	1	0.27
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	12	0.27
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	16	0.27
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	8	0.27
(1,1007)	1:11:A:PHE:HB2	1:85:A:LYS:H	11	0.27
(1,1007)	1:11:A:PHE:HB3	1:85:A:LYS:H	11	0.27
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	7	0.27
(1,999)	1:19:A:ILE:HG12	1:20:A:ASP:H	5	0.27
(1,999)	1:19:A:ILE:HG13	1:20:A:ASP:H	5	0.27
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	3	0.27
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	18	0.27
(1,973)	1:73:A:GLU:HG3	1:75:A:ASN:H	4	0.27
(1,969)	1:54:A:VAL:HG21	1:55:A:GLU:H	20	0.27
(1,969)	1:54:A:VAL:HG22	1:55:A:GLU:H	20	0.27
(1,969)	1:54:A:VAL:HG23	1:55:A:GLU:H	20	0.27
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	7	0.27
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	12	0.27
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	6	0.27
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	6	0.27
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	19	0.27
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	19	0.27
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	19	0.27
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	10	0.27
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	10	0.27
(1,939)	1:64:A:HIS:HA	1:64:A:HIS:HD2	2	0.27
(1,939)	1:64:A:HIS:HA	1:64:A:HIS:HD2	19	0.27
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	4	0.27
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	4	0.27
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	18	0.27
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	18	0.27
(1,925)	1:11:A:PHE:HE1	1:52:A:ALA:H	6	0.27
(1,925)	1:11:A:PHE:HE2	1:52:A:ALA:H	6	0.27
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	2	0.27
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	2	0.27
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	5	0.27
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	5	0.27
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	6	0.27
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	6	0.27
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	18	0.27
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	18	0.27
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	19	0.27
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	13	0.27
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	13	0.27
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	13	0.27
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	5	0.27
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	5	0.27
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	5	0.27
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	14	0.27
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	14	0.27
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	14	0.27
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	13	0.27
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	13	0.27
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	13	0.27
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	17	0.27
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	17	0.27
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	17	0.27
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD11	4	0.27
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD12	4	0.27
(1,865)	1:24:A:LEU:HA	1:27:A:ILE:HD13	4	0.27
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	1	0.27
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	1	0.27
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	1	0.27
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	20	0.27
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	20	0.27
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	20	0.27
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	17	0.27
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	17	0.27
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	17	0.27
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	17	0.27
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	17	0.27
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	17	0.27
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	17	0.27
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	17	0.27
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	17	0.27
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD11	6	0.27
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD12	6	0.27
(1,808)	1:15:A:ILE:HG21	1:15:A:ILE:HD13	6	0.27
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD11	6	0.27
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD12	6	0.27
(1,808)	1:15:A:ILE:HG22	1:15:A:ILE:HD13	6	0.27
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD11	6	0.27
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD12	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:15:A:ILE:HG23	1:15:A:ILE:HD13	6	0.27
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	10	0.27
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	10	0.27
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	10	0.27
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	8	0.27
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	8	0.27
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	8	0.27
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	18	0.27
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	18	0.27
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	18	0.27
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	6	0.27
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	6	0.27
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	6	0.27
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	12	0.27
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	12	0.27
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	12	0.27
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	18	0.27
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	18	0.27
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	18	0.27
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	20	0.27
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	20	0.27
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	20	0.27
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	8	0.27
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	8	0.27
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	8	0.27
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	8	0.27
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	8	0.27
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	8	0.27
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	19	0.27
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	19	0.27
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	19	0.27
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	19	0.27
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	19	0.27
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	19	0.27
(1,758)	1:6:A:ALA:HB1	1:63:A:LYS:HA	11	0.27
(1,758)	1:6:A:ALA:HB2	1:63:A:LYS:HA	11	0.27
(1,758)	1:6:A:ALA:HB3	1:63:A:LYS:HA	11	0.27
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	7	0.27
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	7	0.27
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	7	0.27
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	7	0.27
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	7	0.27
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	7	0.27
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	7	0.27
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	7	0.27
(1,749)	1:12:A:VAL:HG21	1:54:A:VAL:H	18	0.27
(1,749)	1:12:A:VAL:HG22	1:54:A:VAL:H	18	0.27
(1,749)	1:12:A:VAL:HG23	1:54:A:VAL:H	18	0.27
(1,745)	1:12:A:VAL:HG21	1:81:A:VAL:HA	20	0.27
(1,745)	1:12:A:VAL:HG22	1:81:A:VAL:HA	20	0.27
(1,745)	1:12:A:VAL:HG23	1:81:A:VAL:HA	20	0.27
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	8	0.27
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	8	0.27
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	8	0.27
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	8	0.27
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	8	0.27
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	8	0.27
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	16	0.27
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	16	0.27
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	16	0.27
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	16	0.27
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	16	0.27
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	16	0.27
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	16	0.27
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	16	0.27
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	16	0.27
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	2	0.27
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	2	0.27
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	2	0.27
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	10	0.27
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	10	0.27
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	10	0.27
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	18	0.27
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	18	0.27
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	18	0.27
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	14	0.27
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	14	0.27
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	14	0.27
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	18	0.27
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	18	0.27
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	18	0.27
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	19	0.27
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	19	0.27
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	7	0.27
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	7	0.27
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	7	0.27
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	7	0.27
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	7	0.27
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	7	0.27
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	7	0.27
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	7	0.27
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	7	0.27
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	7	0.27
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	7	0.27
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	7	0.27
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	2	0.27
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	2	0.27
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	2	0.27
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	14	0.27
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	14	0.27
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	14	0.27
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	16	0.27
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	16	0.27
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	16	0.27
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG21	6	0.27
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG22	6	0.27
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG23	6	0.27
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG21	6	0.27
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG22	6	0.27
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG23	6	0.27
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	13	0.27
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	13	0.27
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	13	0.27
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	17	0.27
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	17	0.27
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	17	0.27
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	18	0.27
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	18	0.27
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	18	0.27
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	11	0.27
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	11	0.27
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	11	0.27
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	12	0.27
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	12	0.27
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	9	0.27
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	9	0.27
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	9	0.27
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	11	0.27
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	11	0.27
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	11	0.27
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	13	0.27
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	13	0.27
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	13	0.27
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	18	0.27
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	18	0.27
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	18	0.27
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	5	0.27
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	5	0.27
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	5	0.27
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	5	0.27
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	5	0.27
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	5	0.27
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	11	0.27
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	11	0.27
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	11	0.27
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	11	0.27
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	11	0.27
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	11	0.27
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	14	0.27
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	14	0.27
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	14	0.27
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	14	0.27
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	14	0.27
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	14	0.27
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	8	0.27
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	8	0.27
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	8	0.27
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	9	0.27
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	9	0.27
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	9	0.27
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	1	0.27
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	1	0.27
(1,602)	1:22:A:LYS:HG2	1:23:A:SER:H	20	0.27
(1,602)	1:22:A:LYS:HG3	1:23:A:SER:H	20	0.27
(1,600)	1:41:A:LEU:HD11	1:46:A:LYS:HA	20	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,600)	1:41:A:LEU:HD12	1:46:A:LYS:HA	20	0.27
(1,600)	1:41:A:LEU:HD13	1:46:A:LYS:HA	20	0.27
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	3	0.27
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	3	0.27
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	3	0.27
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	12	0.27
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	12	0.27
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	12	0.27
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	17	0.27
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	17	0.27
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	17	0.27
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	20	0.27
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	20	0.27
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	20	0.27
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	17	0.27
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	17	0.27
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	17	0.27
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	20	0.27
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	20	0.27
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	2	0.27
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	2	0.27
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	17	0.27
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	17	0.27
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD21	13	0.27
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD22	13	0.27
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD23	13	0.27
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	6	0.27
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	6	0.27
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	6	0.27
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	6	0.27
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	6	0.27
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	6	0.27
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	6	0.27
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	6	0.27
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	6	0.27
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	3	0.27
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	8	0.27
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	2	0.27
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	2	0.27
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	2	0.27
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	16	0.27
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	6	0.27
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	6	0.27
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	8	0.27
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	8	0.27
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	8	0.27
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	8	0.27
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	17	0.27
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	17	0.27
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	17	0.27
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	17	0.27
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	1	0.27
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	1	0.27
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	17	0.27
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	17	0.27
(1,512)	1:77:A:LYS:HD2	1:78:A:ARG:H	8	0.27
(1,512)	1:77:A:LYS:HD3	1:78:A:ARG:H	8	0.27
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	10	0.27
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	10	0.27
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	10	0.27
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	15	0.27
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	15	0.27
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	15	0.27
(1,498)	1:21:A:GLU:HB3	1:22:A:LYS:H	20	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	10	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	10	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	10	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	10	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	10	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	10	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	16	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	16	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	16	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	16	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	16	0.27
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	16	0.27
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	10	0.27
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	5	0.27
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	1	0.27
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	9	0.27
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	4	0.27
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	11	0.27
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:35:A:ARG:HB3	1:55:A:GLU:HB2	7	0.27
(1,465)	1:35:A:ARG:H	1:35:A:ARG:HB3	17	0.27
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	20	0.27
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	8	0.27
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	20	0.27
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	18	0.27
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	18	0.27
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	10	0.27
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	20	0.27
(1,428)	1:38:A:GLU:H	1:38:A:GLU:HB2	15	0.27
(1,426)	1:85:A:LYS:HB2	1:86:A:THR:H	11	0.27
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	9	0.27
(1,412)	1:66:A:LEU:HD21	1:81:A:VAL:HB	16	0.27
(1,412)	1:66:A:LEU:HD22	1:81:A:VAL:HB	16	0.27
(1,412)	1:66:A:LEU:HD23	1:81:A:VAL:HB	16	0.27
(1,408)	1:58:A:GLU:HG3	1:61:A:ASP:H	7	0.27
(1,403)	1:58:A:GLU:HA	1:58:A:GLU:HG2	1	0.27
(1,403)	1:58:A:GLU:HA	1:58:A:GLU:HG2	6	0.27
(1,403)	1:58:A:GLU:HA	1:58:A:GLU:HG2	19	0.27
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	5	0.27
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	5	0.27
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	5	0.27
(1,370)	1:21:A:GLU:HG2	1:39:A:VAL:H	14	0.27
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	2	0.27
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	6	0.27
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	18	0.27
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	16	0.27
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	7	0.27
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	15	0.27
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	18	0.27
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	7	0.27
(1,314)	1:25:A:TYR:HD1	1:34:A:ILE:HB	10	0.27
(1,314)	1:25:A:TYR:HD2	1:34:A:ILE:HB	10	0.27
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	1	0.27
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	11	0.27
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	18	0.27
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	2	0.27
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	18	0.27
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	3	0.27
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	3	0.27
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	3	0.27
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	6	0.27
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	6	0.27
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB1	14	0.27
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB2	14	0.27
(1,295)	1:56:A:TYR:HB3	1:62:A:ALA:HB3	14	0.27
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	4	0.27
(1,286)	1:66:A:LEU:HB3	1:67:A:TYR:H	15	0.27
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	6	0.27
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	3	0.27
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD11	7	0.27
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD12	7	0.27
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD13	7	0.27
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	19	0.27
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	19	0.27
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	19	0.27
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	19	0.27
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	15	0.27
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	6	0.27
(1,240)	1:82:A:ASN:H	1:82:A:ASN:HB2	4	0.27
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	2	0.27
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	2	0.27
(1,237)	1:16:A:ASP:HB2	1:17:A:GLU:H	16	0.27
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	1	0.27
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG11	17	0.27
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG12	17	0.27
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG13	17	0.27
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG11	17	0.27
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG12	17	0.27
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG13	17	0.27
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	5	0.27
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	5	0.27
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	15	0.27
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	15	0.27
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	13	0.27
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	13	0.27
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	13	0.27
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	16	0.27
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	16	0.27
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	16	0.27
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	5	0.27
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	4	0.27
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	10	0.27
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	9	0.27
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	13	0.27
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	4	0.27
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	1	0.27
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	1	0.27
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	10	0.27
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	10	0.27
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	17	0.27
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	17	0.27
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	17	0.27
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	4	0.27
(1,156)	1:9:A:ILE:HG13	1:55:A:GLU:HA	8	0.27
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	16	0.27
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	11	0.27
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	11	0.27
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	11	0.27
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	18	0.27
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	9	0.27
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	1	0.27
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	10	0.27
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	10	0.27
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	10	0.27
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	4	0.27
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	10	0.27
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	18	0.27
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	11	0.27
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	11	0.27
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	11	0.27
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	11	0.27
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	11	0.27
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	11	0.27
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	9	0.27
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	13	0.27
(1,56)	1:54:A:VAL:HA	1:55:A:GLU:H	20	0.27
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	1	0.27
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	14	0.27
(1,33)	1:23:A:SER:H	1:23:A:SER:HB2	2	0.27
(1,33)	1:23:A:SER:H	1:23:A:SER:HB2	15	0.27
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB2	3	0.27
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB3	3	0.27
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB2	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB3	3	0.27
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	12	0.27
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	13	0.27
(1,1547)	1:15:A:ILE:HG21	1:80:A:HIS:H	12	0.26
(1,1547)	1:15:A:ILE:HG22	1:80:A:HIS:H	12	0.26
(1,1547)	1:15:A:ILE:HG23	1:80:A:HIS:H	12	0.26
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	4	0.26
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	4	0.26
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	11	0.26
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	11	0.26
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD11	8	0.26
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD12	8	0.26
(1,1528)	1:15:A:ILE:HD11	1:19:A:ILE:HD13	8	0.26
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD11	8	0.26
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD12	8	0.26
(1,1528)	1:15:A:ILE:HD12	1:19:A:ILE:HD13	8	0.26
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD11	8	0.26
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD12	8	0.26
(1,1528)	1:15:A:ILE:HD13	1:19:A:ILE:HD13	8	0.26
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	4	0.26
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	4	0.26
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	4	0.26
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	9	0.26
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	9	0.26
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	9	0.26
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	12	0.26
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	12	0.26
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	12	0.26
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	4	0.26
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	4	0.26
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	4	0.26
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	5	0.26
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	5	0.26
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	5	0.26
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	10	0.26
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	10	0.26
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	10	0.26
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG11	1	0.26
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG12	1	0.26
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG13	1	0.26
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG11	1	0.26
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG12	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG13	1	0.26
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG11	1	0.26
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG12	1	0.26
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG13	1	0.26
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	10	0.26
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	10	0.26
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	16	0.26
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	16	0.26
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	7	0.26
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	17	0.26
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	6	0.26
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	6	0.26
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	6	0.26
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	6	0.26
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	7	0.26
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	7	0.26
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	7	0.26
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	7	0.26
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	8	0.26
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	8	0.26
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	8	0.26
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	6	0.26
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	6	0.26
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	7	0.26
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	7	0.26
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	16	0.26
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	16	0.26
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD2	12	0.26
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD3	12	0.26
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	8	0.26
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	9	0.26
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB2	16	0.26
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB3	16	0.26
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD1	15	0.26
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD2	15	0.26
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	12	0.26
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	1	0.26
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	1	0.26
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	3	0.26
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	3	0.26
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	12	0.26
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	6	0.26
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	6	0.26
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	6	0.26
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	12	0.26
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	12	0.26
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	12	0.26
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	14	0.26
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	3	0.26
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	3	0.26
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	3	0.26
(1,1351)	1:9:A:ILE:HG21	1:86:A:THR:HB	17	0.26
(1,1351)	1:9:A:ILE:HG22	1:86:A:THR:HB	17	0.26
(1,1351)	1:9:A:ILE:HG23	1:86:A:THR:HB	17	0.26
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	4	0.26
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	13	0.26
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	3	0.26
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	3	0.26
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	3	0.26
(1,1337)	1:14:A:GLY:H	1:52:A:ALA:H	3	0.26
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG12	9	0.26
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG13	9	0.26
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG21	12	0.26
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG22	12	0.26
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG23	12	0.26
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	7	0.26
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	10	0.26
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	11	0.26
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	12	0.26
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	6	0.26
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	6	0.26
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	6	0.26
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	11	0.26
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	1	0.26
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	17	0.26
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	8	0.26
(1,1264)	1:8:A:ASP:H	1:56:A:TYR:HB3	11	0.26
(1,1264)	1:8:A:ASP:H	1:56:A:TYR:HB3	13	0.26
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	8	0.26
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	16	0.26
(1,1222)	1:56:A:TYR:HB2	1:63:A:LYS:H	11	0.26
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	19	0.26
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	19	0.26
(1,1214)	1:2:A:SER:H	1:3:A:ASP:H	7	0.26
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	3	0.26
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	5	0.26
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	8	0.26
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	15	0.26
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	1	0.26
(1,1202)	1:46:A:LYS:H	1:47:A:LYS:H	1	0.26
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	5	0.26
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	13	0.26
(1,1182)	1:47:A:LYS:HD2	1:48:A:ASN:H	18	0.26
(1,1182)	1:47:A:LYS:HD3	1:48:A:ASN:H	18	0.26
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	5	0.26
(1,1176)	1:8:A:ASP:HB3	1:9:A:ILE:H	14	0.26
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	7	0.26
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	8	0.26
(1,1169)	1:11:A:PHE:H	1:84:A:SER:H	13	0.26
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	18	0.26
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE2	9	0.26
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE3	9	0.26
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	7	0.26
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	8	0.26
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	12	0.26
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	1	0.26
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	1	0.26
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	18	0.26
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	18	0.26
(1,1141)	1:4:A:ASN:H	1:6:A:ALA:H	15	0.26
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	3	0.26
(1,1116)	1:65:A:ALA:H	1:66:A:LEU:H	1	0.26
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	4	0.26
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	16	0.26
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	9	0.26
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	9	0.26
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	9	0.26
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	2	0.26
(1,1062)	1:2:A:SER:HB3	1:3:A:ASP:H	19	0.26
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	8	0.26
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	2	0.26
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	7	0.26
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	19	0.26
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1034)	1:78:A:ARG:H	1:78:A:ARG:HD2	8	0.26
(1,1034)	1:78:A:ARG:H	1:78:A:ARG:HD3	8	0.26
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	1	0.26
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	2	0.26
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	7	0.26
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	7	0.26
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	7	0.26
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	7	0.26
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	16	0.26
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	16	0.26
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	16	0.26
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	19	0.26
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	19	0.26
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	19	0.26
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	2	0.26
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	9	0.26
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	12	0.26
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	19	0.26
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	1	0.26
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	1	0.26
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	8	0.26
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	8	0.26
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	3	0.26
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	11	0.26
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	20	0.26
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	13	0.26
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	16	0.26
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE2	19	0.26
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE3	19	0.26
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	7	0.26
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	19	0.26
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	9	0.26
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	8	0.26
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	8	0.26
(1,974)	1:73:A:GLU:HB2	1:75:A:ASN:H	4	0.26
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	3	0.26
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	18	0.26
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	7	0.26
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	7	0.26
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	7	0.26
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	7	0.26
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	7	0.26
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	9	0.26
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	9	0.26
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	9	0.26
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	9	0.26
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	9	0.26
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	9	0.26
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	7	0.26
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	7	0.26
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	17	0.26
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	17	0.26
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	7	0.26
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	7	0.26
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	17	0.26
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	17	0.26
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD11	9	0.26
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD12	9	0.26
(1,907)	1:16:A:ASP:HB2	1:19:A:ILE:HD13	9	0.26
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	12	0.26
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	12	0.26
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	12	0.26
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	12	0.26
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	12	0.26
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	12	0.26
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	10	0.26
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	10	0.26
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	10	0.26
(1,875)	1:15:A:ILE:HD11	1:48:A:ASN:HB3	4	0.26
(1,875)	1:15:A:ILE:HD12	1:48:A:ASN:HB3	4	0.26
(1,875)	1:15:A:ILE:HD13	1:48:A:ASN:HB3	4	0.26
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG11	3	0.26
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG12	3	0.26
(1,873)	1:37:A:ILE:HD11	1:54:A:VAL:HG13	3	0.26
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG11	3	0.26
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG12	3	0.26
(1,873)	1:37:A:ILE:HD12	1:54:A:VAL:HG13	3	0.26
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG11	3	0.26
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG12	3	0.26
(1,873)	1:37:A:ILE:HD13	1:54:A:VAL:HG13	3	0.26
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	5	0.26
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	5	0.26
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	13	0.26
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	13	0.26
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	13	0.26
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	3	0.26
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	3	0.26
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	3	0.26
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG21	11	0.26
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG22	11	0.26
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG23	11	0.26
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	3	0.26
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	3	0.26
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	3	0.26
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	2	0.26
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	2	0.26
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	2	0.26
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	9	0.26
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	9	0.26
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	9	0.26
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	20	0.26
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	20	0.26
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	20	0.26
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	13	0.26
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	13	0.26
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	13	0.26
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	2	0.26
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	2	0.26
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	2	0.26
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	6	0.26
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	6	0.26
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	6	0.26
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	1	0.26
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	1	0.26
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	1	0.26
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	17	0.26
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	17	0.26
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	17	0.26
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	11	0.26
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	11	0.26
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	11	0.26
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	11	0.26
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	11	0.26
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	11	0.26
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	11	0.26
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	11	0.26
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	13	0.26
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	13	0.26
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	13	0.26
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	13	0.26
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	13	0.26
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	13	0.26
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	13	0.26
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	13	0.26
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	13	0.26
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	4	0.26
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	4	0.26
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	4	0.26
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	10	0.26
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	10	0.26
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	10	0.26
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	15	0.26
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	15	0.26
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	15	0.26
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	17	0.26
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	17	0.26
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	17	0.26
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	9	0.26
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	9	0.26
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	9	0.26
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	9	0.26
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	9	0.26
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	9	0.26
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	20	0.26
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	20	0.26
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	20	0.26
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	20	0.26
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	20	0.26
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	20	0.26
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG2	19	0.26
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG3	19	0.26
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG2	19	0.26
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG3	19	0.26
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG2	19	0.26
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG3	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:6:A:ALA:HB1	1:9:A:ILE:HB	13	0.26
(1,756)	1:6:A:ALA:HB2	1:9:A:ILE:HB	13	0.26
(1,756)	1:6:A:ALA:HB3	1:9:A:ILE:HB	13	0.26
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	9	0.26
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	9	0.26
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	9	0.26
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	6	0.26
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	6	0.26
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	6	0.26
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	6	0.26
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	6	0.26
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	6	0.26
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	6	0.26
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	6	0.26
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	6	0.26
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG21	12	0.26
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG22	12	0.26
(1,747)	1:12:A:VAL:HA	1:12:A:VAL:HG23	12	0.26
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	6	0.26
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	6	0.26
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	6	0.26
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	4	0.26
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	4	0.26
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	4	0.26
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	12	0.26
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	12	0.26
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	12	0.26
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	3	0.26
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	3	0.26
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	3	0.26
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	3	0.26
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	3	0.26
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	3	0.26
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	8	0.26
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	8	0.26
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	8	0.26
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	5	0.26
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	5	0.26
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	5	0.26
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	8	0.26
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	8	0.26
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	16	0.26
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	16	0.26
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	16	0.26
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	20	0.26
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	20	0.26
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	20	0.26
(1,720)	1:39:A:VAL:HG11	1:52:A:ALA:HA	19	0.26
(1,720)	1:39:A:VAL:HG12	1:52:A:ALA:HA	19	0.26
(1,720)	1:39:A:VAL:HG13	1:52:A:ALA:HA	19	0.26
(1,720)	1:39:A:VAL:HG21	1:52:A:ALA:HA	19	0.26
(1,720)	1:39:A:VAL:HG22	1:52:A:ALA:HA	19	0.26
(1,720)	1:39:A:VAL:HG23	1:52:A:ALA:HA	19	0.26
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	9	0.26
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	9	0.26
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	9	0.26
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	1	0.26
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	1	0.26
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	1	0.26
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	10	0.26
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	10	0.26
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	10	0.26
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	8	0.26
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	8	0.26
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	8	0.26
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	8	0.26
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	8	0.26
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	8	0.26
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	8	0.26
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	8	0.26
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	8	0.26
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	1	0.26
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	1	0.26
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	1	0.26
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	5	0.26
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	5	0.26
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	5	0.26
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	6	0.26
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	6	0.26
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	6	0.26
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	9	0.26
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	9	0.26
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	9	0.26
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	9	0.26
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	9	0.26
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	5	0.26
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	5	0.26
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	5	0.26
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	7	0.26
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	7	0.26
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	7	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	15	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	15	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	15	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	17	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	17	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	17	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	20	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	20	0.26
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	20	0.26
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	4	0.26
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	4	0.26
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	4	0.26
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	9	0.26
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	9	0.26
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	9	0.26
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	3	0.26
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	3	0.26
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	3	0.26
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	16	0.26
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	16	0.26
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	16	0.26
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG11	11	0.26
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG12	11	0.26
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG13	11	0.26
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG11	11	0.26
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG12	11	0.26
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG13	11	0.26
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	19	0.26
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	19	0.26
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	19	0.26
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	20	0.26
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	20	0.26
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	4	0.26
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	4	0.26
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	4	0.26
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	17	0.26
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	17	0.26
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	17	0.26
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	10	0.26
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	10	0.26
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	10	0.26
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	16	0.26
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	16	0.26
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	16	0.26
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	3	0.26
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	3	0.26
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	12	0.26
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	12	0.26
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	6	0.26
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	6	0.26
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG12	17	0.26
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG13	17	0.26
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	20	0.26
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	20	0.26
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	20	0.26
(1,572)	1:66:A:LEU:HD21	1:82:A:ASN:HB3	20	0.26
(1,572)	1:66:A:LEU:HD22	1:82:A:ASN:HB3	20	0.26
(1,572)	1:66:A:LEU:HD23	1:82:A:ASN:HB3	20	0.26
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	13	0.26
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	13	0.26
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	13	0.26
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	2	0.26
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	2	0.26
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	2	0.26
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	2	0.26
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	2	0.26
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	2	0.26
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	2	0.26
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	2	0.26
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	2	0.26
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	14	0.26
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	14	0.26
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	14	0.26
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	11	0.26
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	19	0.26
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	18	0.26
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	18	0.26
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	18	0.26
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	7	0.26
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	7	0.26
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	9	0.26
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	9	0.26
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	17	0.26
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	19	0.26
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	7	0.26
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	7	0.26
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	7	0.26
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	7	0.26
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	2	0.26
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	2	0.26
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	4	0.26
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	4	0.26
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	4	0.26
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	10	0.26
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	16	0.26
(1,494)	1:21:A:GLU:HB2	1:22:A:LYS:H	9	0.26
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	14	0.26
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	10	0.26
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	15	0.26
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	5	0.26
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	15	0.26
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	11	0.26
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	11	0.26
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	12	0.26
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	12	0.26
(1,440)	1:43:A:MET:H	1:43:A:MET:HG2	20	0.26
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	15	0.26
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	9	0.26
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	13	0.26
(1,412)	1:66:A:LEU:HD21	1:81:A:VAL:HB	13	0.26
(1,412)	1:66:A:LEU:HD22	1:81:A:VAL:HB	13	0.26
(1,412)	1:66:A:LEU:HD23	1:81:A:VAL:HB	13	0.26
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	3	0.26
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	14	0.26
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	1	0.26
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	1	0.26
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	6	0.26
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	6	0.26
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	6	0.26
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	8	0.26
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	8	0.26
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	8	0.26
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	11	0.26
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	17	0.26
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	11	0.26
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	11	0.26
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	11	0.26
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	11	0.26
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	11	0.26
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	11	0.26
(1,363)	1:73:A:GLU:HG2	1:74:A:LEU:HA	12	0.26
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	6	0.26
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	6	0.26
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	11	0.26
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	11	0.26
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	3	0.26
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	5	0.26
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	15	0.26
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	3	0.26
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	18	0.26
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	12	0.26
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	18	0.26
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	2	0.26
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	3	0.26
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	12	0.26
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	17	0.26
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	20	0.26
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE1	6	0.26
(1,324)	1:31:A:PHE:HB3	1:56:A:TYR:HE2	6	0.26
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	4	0.26
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	2	0.26
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	2	0.26
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	2	0.26
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	7	0.26
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	18	0.26
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	7	0.26
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	14	0.26
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	12	0.26
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	14	0.26
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	16	0.26
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	5	0.26
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	5	0.26
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	19	0.26
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	14	0.26
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	14	0.26
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG11	4	0.26
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG12	4	0.26
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG13	4	0.26
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	17	0.26
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD11	12	0.26
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD12	12	0.26
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD13	12	0.26
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE2	8	0.26
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE3	8	0.26
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	8	0.26
(1,249)	1:36:A:ASN:HB3	1:55:A:GLU:HB3	19	0.26
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	1	0.26
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	1	0.26
(1,237)	1:16:A:ASP:HB2	1:17:A:GLU:H	13	0.26
(1,225)	1:20:A:ASP:HB2	1:22:A:LYS:H	8	0.26
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	8	0.26
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	8	0.26
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	8	0.26
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	8	0.26
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	10	0.26
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	10	0.26
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	10	0.26
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	10	0.26
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	3	0.26
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	18	0.26
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	6	0.26
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	6	0.26
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	2	0.26
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	13	0.26
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG2	3	0.26
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG3	3	0.26
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	9	0.26
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	8	0.26
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	8	0.26
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	12	0.26
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	9	0.26
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	16	0.26
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	16	0.26
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	16	0.26
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	15	0.26
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	6	0.26
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	10	0.26
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	20	0.26
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	4	0.26
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	20	0.26
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	1	0.26
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	4	0.26
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	18	0.26
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	18	0.26
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	14	0.26
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	14	0.26
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	14	0.26
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE1	15	0.26
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE2	15	0.26
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	14	0.26
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	20	0.26
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	5	0.26
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	5	0.26
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	12	0.26
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	16	0.26
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	18	0.26
(1,97)	1:17:A:GLU:HA	1:19:A:ILE:H	9	0.26
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	18	0.26
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	9	0.26
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	9	0.26
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	9	0.26
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	1	0.26
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	6	0.26
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	7	0.26
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	12	0.26
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	17	0.26
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG21	13	0.26
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG22	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG23	13	0.26
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	5	0.26
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	6	0.26
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	10	0.26
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	15	0.26
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	12	0.26
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	15	0.26
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB2	17	0.26
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB3	17	0.26
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB2	17	0.26
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB3	17	0.26
(1,6)	1:42:A:ASN:HD22	1:44:A:THR:HB	7	0.26
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	5	0.25
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	5	0.25
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	9	0.25
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	9	0.25
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	9	0.25
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	20	0.25
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	20	0.25
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	20	0.25
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	10	0.25
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	10	0.25
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	10	0.25
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	1	0.25
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	1	0.25
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	1	0.25
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	7	0.25
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	7	0.25
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	7	0.25
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	16	0.25
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	16	0.25
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	16	0.25
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	9	0.25
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	9	0.25
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	9	0.25
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	9	0.25
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	9	0.25
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	9	0.25
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	14	0.25
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	14	0.25
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	14	0.25
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	14	0.25
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	14	0.25
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	14	0.25
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	14	0.25
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	14	0.25
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	12	0.25
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	12	0.25
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	15	0.25
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	15	0.25
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	1	0.25
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	14	0.25
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	14	0.25
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	14	0.25
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	14	0.25
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	8	0.25
(1,1441)	1:24:A:LEU:HA	1:27:A:ILE:HB	19	0.25
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	11	0.25
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	11	0.25
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	20	0.25
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	20	0.25
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	20	0.25
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD2	14	0.25
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD3	14	0.25
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	13	0.25
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	14	0.25
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	19	0.25
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	19	0.25
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	19	0.25
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	19	0.25
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	13	0.25
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	13	0.25
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	15	0.25
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	15	0.25
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	6	0.25
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	2	0.25
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	2	0.25
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	5	0.25
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	5	0.25
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	8	0.25
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	8	0.25
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	15	0.25
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD11	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD12	1	0.25
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD13	1	0.25
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD11	15	0.25
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD12	15	0.25
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD13	15	0.25
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	3	0.25
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	13	0.25
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	16	0.25
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	9	0.25
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	9	0.25
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	9	0.25
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	1	0.25
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	6	0.25
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	13	0.25
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	4	0.25
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	15	0.25
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	15	0.25
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	15	0.25
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	7	0.25
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	7	0.25
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	12	0.25
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	12	0.25
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	13	0.25
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	20	0.25
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	9	0.25
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	1	0.25
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	13	0.25
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	7	0.25
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	4	0.25
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	1	0.25
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	10	0.25
(1,1248)	1:38:A:GLU:HG2	1:53:A:PHE:H	16	0.25
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	5	0.25
(1,1234)	1:29:A:SER:HB3	1:30:A:SER:H	7	0.25
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	1	0.25
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	5	0.25
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	17	0.25
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	18	0.25
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	3	0.25
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	13	0.25
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	1	0.25
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	19	0.25
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	5	0.25
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	3	0.25
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	2	0.25
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	1	0.25
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	1	0.25
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	1	0.25
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	15	0.25
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	15	0.25
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	15	0.25
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	17	0.25
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	17	0.25
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	17	0.25
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	5	0.25
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	18	0.25
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	2	0.25
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	5	0.25
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	10	0.25
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	16	0.25
(1,1090)	1:85:A:LYS:HD2	1:86:A:THR:H	10	0.25
(1,1090)	1:85:A:LYS:HD3	1:86:A:THR:H	10	0.25
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	9	0.25
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	9	0.25
(1,1088)	1:51:A:PHE:HD1	1:52:A:ALA:H	13	0.25
(1,1088)	1:51:A:PHE:HD2	1:52:A:ALA:H	13	0.25
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	18	0.25
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	12	0.25
(1,1075)	1:41:A:LEU:HD21	1:42:A:ASN:H	2	0.25
(1,1075)	1:41:A:LEU:HD22	1:42:A:ASN:H	2	0.25
(1,1075)	1:41:A:LEU:HD23	1:42:A:ASN:H	2	0.25
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	11	0.25
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	11	0.25
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	15	0.25
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	15	0.25
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	11	0.25
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	15	0.25
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	16	0.25
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	12	0.25
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	3	0.25
(1,1037)	1:18:A:THR:H	1:19:A:ILE:H	2	0.25
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	16	0.25
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	14	0.25
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	18	0.25
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	5	0.25
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	5	0.25
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	20	0.25
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	20	0.25
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	20	0.25
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	7	0.25
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	14	0.25
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	15	0.25
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	20	0.25
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	16	0.25
(1,999)	1:19:A:ILE:HG12	1:20:A:ASP:H	11	0.25
(1,999)	1:19:A:ILE:HG13	1:20:A:ASP:H	11	0.25
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	7	0.25
(1,975)	1:74:A:LEU:H	1:75:A:ASN:H	7	0.25
(1,957)	1:73:A:GLU:HB3	1:74:A:LEU:H	9	0.25
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	14	0.25
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	14	0.25
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	14	0.25
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE1	16	0.25
(1,930)	1:38:A:GLU:HB2	1:53:A:PHE:HE2	16	0.25
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	5	0.25
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	5	0.25
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE1	18	0.25
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE2	18	0.25
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD1	11	0.25
(1,924)	1:52:A:ALA:HA	1:53:A:PHE:HD2	11	0.25
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	19	0.25
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	19	0.25
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	19	0.25
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	19	0.25
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	6	0.25
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	6	0.25
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	12	0.25
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	12	0.25
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	15	0.25
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	15	0.25
(1,906)	1:19:A:ILE:HD11	1:23:A:SER:HB2	8	0.25
(1,906)	1:19:A:ILE:HD12	1:23:A:SER:HB2	8	0.25
(1,906)	1:19:A:ILE:HD13	1:23:A:SER:HB2	8	0.25
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	8	0.25
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	8	0.25
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	11	0.25
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	11	0.25
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	11	0.25
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	13	0.25
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	13	0.25
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	13	0.25
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	13	0.25
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	13	0.25
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	13	0.25
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	4	0.25
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	4	0.25
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	4	0.25
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	6	0.25
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	6	0.25
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	6	0.25
(1,883)	1:15:A:ILE:HD11	1:48:A:ASN:HD21	3	0.25
(1,883)	1:15:A:ILE:HD12	1:48:A:ASN:HD21	3	0.25
(1,883)	1:15:A:ILE:HD13	1:48:A:ASN:HD21	3	0.25
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	16	0.25
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	16	0.25
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	16	0.25
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	11	0.25
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	11	0.25
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	11	0.25
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	1	0.25
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	1	0.25
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	1	0.25
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	14	0.25
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	14	0.25
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	14	0.25
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	12	0.25
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	12	0.25
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	12	0.25
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	12	0.25
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	12	0.25
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	12	0.25
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE1	12	0.25
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE2	12	0.25
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE1	12	0.25
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE2	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE1	12	0.25
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE2	12	0.25
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	15	0.25
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	15	0.25
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	15	0.25
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	6	0.25
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	6	0.25
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	6	0.25
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	15	0.25
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	15	0.25
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	15	0.25
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	15	0.25
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	15	0.25
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	15	0.25
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	15	0.25
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	15	0.25
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	15	0.25
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG21	5	0.25
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG22	5	0.25
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG23	5	0.25
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	13	0.25
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	13	0.25
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	13	0.25
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG21	14	0.25
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG22	14	0.25
(1,772)	1:53:A:PHE:H	1:54:A:VAL:HG23	14	0.25
(1,756)	1:6:A:ALA:HB1	1:9:A:ILE:HB	19	0.25
(1,756)	1:6:A:ALA:HB2	1:9:A:ILE:HB	19	0.25
(1,756)	1:6:A:ALA:HB3	1:9:A:ILE:HB	19	0.25
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	15	0.25
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	15	0.25
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	15	0.25
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG21	8	0.25
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG22	8	0.25
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG23	8	0.25
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	8	0.25
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	8	0.25
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	8	0.25
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	8	0.25
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	8	0.25
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	8	0.25
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	18	0.25
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	18	0.25
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	13	0.25
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	13	0.25
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	13	0.25
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	4	0.25
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	4	0.25
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	4	0.25
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	7	0.25
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	7	0.25
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	7	0.25
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	15	0.25
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	15	0.25
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	15	0.25
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	1	0.25
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	1	0.25
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	1	0.25
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	7	0.25
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	7	0.25
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	7	0.25
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	18	0.25
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	18	0.25
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	18	0.25
(1,719)	1:39:A:VAL:HG11	1:53:A:PHE:H	16	0.25
(1,719)	1:39:A:VAL:HG12	1:53:A:PHE:H	16	0.25
(1,719)	1:39:A:VAL:HG13	1:53:A:PHE:H	16	0.25
(1,719)	1:39:A:VAL:HG21	1:53:A:PHE:H	16	0.25
(1,719)	1:39:A:VAL:HG22	1:53:A:PHE:H	16	0.25
(1,719)	1:39:A:VAL:HG23	1:53:A:PHE:H	16	0.25
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	6	0.25
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	6	0.25
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	6	0.25
(1,709)	1:57:A:VAL:HG11	1:58:A:GLU:HG2	3	0.25
(1,709)	1:57:A:VAL:HG12	1:58:A:GLU:HG2	3	0.25
(1,709)	1:57:A:VAL:HG13	1:58:A:GLU:HG2	3	0.25
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	7	0.25
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	7	0.25
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	7	0.25
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	15	0.25
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	15	0.25
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	15	0.25
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG21	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG22	18	0.25
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG23	18	0.25
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	10	0.25
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	10	0.25
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	10	0.25
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	10	0.25
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	10	0.25
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	10	0.25
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	10	0.25
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	10	0.25
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	10	0.25
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	17	0.25
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	17	0.25
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	17	0.25
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	17	0.25
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	17	0.25
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	17	0.25
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	17	0.25
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	17	0.25
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	17	0.25
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	2	0.25
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	2	0.25
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	2	0.25
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	2	0.25
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	2	0.25
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	2	0.25
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	2	0.25
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	2	0.25
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	2	0.25
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD21	19	0.25
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD22	19	0.25
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD23	19	0.25
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	2	0.25
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	2	0.25
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	2	0.25
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	13	0.25
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	13	0.25
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	13	0.25
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	8	0.25
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	8	0.25
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	8	0.25
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	14	0.25
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	14	0.25
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	18	0.25
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	18	0.25
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	18	0.25
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	4	0.25
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	4	0.25
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	4	0.25
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	11	0.25
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	11	0.25
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	11	0.25
(1,613)	1:66:A:LEU:HD11	1:82:A:ASN:HD22	7	0.25
(1,613)	1:66:A:LEU:HD12	1:82:A:ASN:HD22	7	0.25
(1,613)	1:66:A:LEU:HD13	1:82:A:ASN:HD22	7	0.25
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	16	0.25
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	16	0.25
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG2	6	0.25
(1,603)	1:22:A:LYS:H	1:22:A:LYS:HG3	6	0.25
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	9	0.25
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	9	0.25
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	9	0.25
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	14	0.25
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	14	0.25
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	14	0.25
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	5	0.25
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	5	0.25
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	5	0.25
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	14	0.25
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	14	0.25
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	19	0.25
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	19	0.25
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	15	0.25
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	15	0.25
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	15	0.25
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD21	16	0.25
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD22	16	0.25
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD23	16	0.25
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	12	0.25
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	12	0.25
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	12	0.25
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	14	0.25
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	11	0.25
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	11	0.25
(1,550)	1:66:A:LEU:H	1:66:A:LEU:HG	6	0.25
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	2	0.25
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	2	0.25
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	3	0.25
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	3	0.25
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	1	0.25
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	1	0.25
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	1	0.25
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	1	0.25
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	5	0.25
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	5	0.25
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	5	0.25
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	5	0.25
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	3	0.25
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	3	0.25
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	4	0.25
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	4	0.25
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	14	0.25
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	14	0.25
(1,504)	1:64:A:HIS:HB3	1:65:A:ALA:H	8	0.25
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	18	0.25
(1,494)	1:21:A:GLU:HB2	1:22:A:LYS:H	20	0.25
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	9	0.25
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	9	0.25
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	20	0.25
(1,472)	1:80:A:HIS:H	1:80:A:HIS:HB3	4	0.25
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	18	0.25
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	18	0.25
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	10	0.25
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	15	0.25
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	6	0.25
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	10	0.25
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	10	0.25
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	13	0.25
(1,440)	1:43:A:MET:H	1:43:A:MET:HG2	2	0.25
(1,434)	1:12:A:VAL:H	1:12:A:VAL:HB	17	0.25
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	8	0.25
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	8	0.25
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	4	0.25
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	20	0.25
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	1	0.25
(1,403)	1:58:A:GLU:HA	1:58:A:GLU:HG2	15	0.25
(1,401)	1:58:A:GLU:H	1:58:A:GLU:HG2	6	0.25
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	3	0.25
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	3	0.25
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	3	0.25
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	11	0.25
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	11	0.25
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	11	0.25
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	12	0.25
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	12	0.25
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	12	0.25
(1,396)	1:35:A:ARG:HB2	1:55:A:GLU:HG3	6	0.25
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	18	0.25
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	4	0.25
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG21	7	0.25
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG22	7	0.25
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG23	7	0.25
(1,378)	1:21:A:GLU:HG2	1:38:A:GLU:HA	14	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	3	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	3	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	3	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	3	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	3	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	3	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	4	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	4	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	4	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	4	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	4	0.25
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	4	0.25
(1,368)	1:73:A:GLU:HG3	1:76:A:GLY:H	13	0.25
(1,363)	1:73:A:GLU:HG2	1:74:A:LEU:HA	7	0.25
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	10	0.25
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	14	0.25
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	2	0.25
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	4	0.25
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	8	0.25
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	10	0.25
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	11	0.25
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	16	0.25
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	15	0.25
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	9	0.25
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	9	0.25
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	9	0.25
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB1	13	0.25
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB2	13	0.25
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB3	13	0.25
(1,313)	1:34:A:ILE:H	1:34:A:ILE:HB	5	0.25
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	2	0.25
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	2	0.25
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	9	0.25
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	11	0.25
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	18	0.25
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	18	0.25
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	19	0.25
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	19	0.25
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	20	0.25
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	20	0.25
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	8	0.25
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	9	0.25
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	16	0.25
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD11	15	0.25
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD12	15	0.25
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD13	15	0.25
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD11	18	0.25
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD12	18	0.25
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD13	18	0.25
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	8	0.25
(1,237)	1:16:A:ASP:HB2	1:17:A:GLU:H	17	0.25
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	19	0.25
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	2	0.25
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	3	0.25
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	10	0.25
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	15	0.25
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	13	0.25
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	13	0.25
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	19	0.25
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	5	0.25
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG2	20	0.25
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG3	20	0.25
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD11	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD12	12	0.25
(1,188)	1:14:A:GLY:HA3	1:15:A:ILE:HD13	12	0.25
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	17	0.25
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	6	0.25
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	14	0.25
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	18	0.25
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	14	0.25
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	17	0.25
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	16	0.25
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	16	0.25
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	17	0.25
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	20	0.25
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	13	0.25
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	6	0.25
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	13	0.25
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	13	0.25
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	20	0.25
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	17	0.25
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	19	0.25
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	15	0.25
(1,92)	1:22:A:LYS:HA	1:25:A:TYR:HB3	3	0.25
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	11	0.25
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	11	0.25
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	11	0.25
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	16	0.25
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	16	0.25
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	16	0.25
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	20	0.25
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	20	0.25
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	20	0.25
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD2	18	0.25
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD3	18	0.25
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	8	0.25
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	10	0.25
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	10	0.25
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	10	0.25
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	20	0.25
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	20	0.25
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	20	0.25
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	15	0.25
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	15	0.25
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	15	0.25
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	15	0.25
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	15	0.25
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	18	0.25
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	18	0.25
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	18	0.25
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	18	0.25
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	18	0.25
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	18	0.25
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	14	0.25
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	9	0.25
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	12	0.25
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	2	0.25
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	2	0.25
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	2	0.25
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	18	0.25
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	1	0.25
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	1	0.25
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	3	0.25
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	3	0.25
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	4	0.25
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	4	0.25
(1,1547)	1:15:A:ILE:HG21	1:80:A:HIS:H	18	0.24
(1,1547)	1:15:A:ILE:HG22	1:80:A:HIS:H	18	0.24
(1,1547)	1:15:A:ILE:HG23	1:80:A:HIS:H	18	0.24
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	3	0.24
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	3	0.24
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	3	0.24
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	3	0.24
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	3	0.24
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	3	0.24
(1,1531)	1:13:A:GLY:H	1:80:A:HIS:HB2	7	0.24
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	5	0.24
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	5	0.24
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	5	0.24
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	6	0.24
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	6	0.24
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	6	0.24
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	10	0.24
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	10	0.24
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	10	0.24
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	10	0.24
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	10	0.24
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	3	0.24
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	3	0.24
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	3	0.24
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	3	0.24
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	3	0.24
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	3	0.24
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG21	16	0.24
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG22	16	0.24
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG23	16	0.24
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG21	16	0.24
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG22	16	0.24
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG23	16	0.24
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	18	0.24
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	18	0.24
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	18	0.24
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	18	0.24
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	18	0.24
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	18	0.24
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	18	0.24
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	18	0.24
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	18	0.24
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	2	0.24
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	2	0.24
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	9	0.24
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	9	0.24
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	9	0.24
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	9	0.24
(1,1447)	1:9:A:ILE:HA	1:55:A:GLU:HG2	17	0.24
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	6	0.24
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	6	0.24
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	6	0.24
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	6	0.24
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	17	0.24
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	17	0.24
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	17	0.24
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	12	0.24
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	12	0.24
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	13	0.24
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	13	0.24
(1,1397)	1:11:A:PHE:HB2	1:53:A:PHE:HA	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:11:A:PHE:HB3	1:53:A:PHE:HA	9	0.24
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	17	0.24
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	17	0.24
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	17	0.24
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	3	0.24
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	3	0.24
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	3	0.24
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	13	0.24
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	13	0.24
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	13	0.24
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	8	0.24
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	11	0.24
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	12	0.24
(1,1364)	1:37:A:ILE:HD11	1:54:A:VAL:HA	6	0.24
(1,1364)	1:37:A:ILE:HD12	1:54:A:VAL:HA	6	0.24
(1,1364)	1:37:A:ILE:HD13	1:54:A:VAL:HA	6	0.24
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD21	4	0.24
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD22	4	0.24
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD23	4	0.24
(1,1351)	1:9:A:ILE:HG21	1:86:A:THR:HB	4	0.24
(1,1351)	1:9:A:ILE:HG22	1:86:A:THR:HB	4	0.24
(1,1351)	1:9:A:ILE:HG23	1:86:A:THR:HB	4	0.24
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	1	0.24
(1,1346)	1:76:A:GLY:H	1:77:A:LYS:H	2	0.24
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	7	0.24
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	9	0.24
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	15	0.24
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	11	0.24
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	11	0.24
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	11	0.24
(1,1339)	1:14:A:GLY:H	1:15:A:ILE:HG21	17	0.24
(1,1339)	1:14:A:GLY:H	1:15:A:ILE:HG22	17	0.24
(1,1339)	1:14:A:GLY:H	1:15:A:ILE:HG23	17	0.24
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	1	0.24
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	15	0.24
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG12	2	0.24
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG13	2	0.24
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG12	20	0.24
(1,1320)	1:18:A:THR:H	1:19:A:ILE:HG13	20	0.24
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	6	0.24
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	16	0.24
(1,1317)	1:16:A:ASP:HB2	1:18:A:THR:H	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	16	0.24
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	18	0.24
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	7	0.24
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	14	0.24
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	10	0.24
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	10	0.24
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	10	0.24
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	20	0.24
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	20	0.24
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	20	0.24
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	3	0.24
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	3	0.24
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	5	0.24
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	1	0.24
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	4	0.24
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	13	0.24
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	14	0.24
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	16	0.24
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	3	0.24
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	7	0.24
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	13	0.24
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	10	0.24
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	17	0.24
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	7	0.24
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	1	0.24
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	6	0.24
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	12	0.24
(1,1242)	1:45:A:THR:H	1:46:A:LYS:H	9	0.24
(1,1232)	1:30:A:SER:H	1:31:A:PHE:H	20	0.24
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	1	0.24
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	2	0.24
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	5	0.24
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	6	0.24
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	9	0.24
(1,1216)	1:17:A:GLU:HB2	1:48:A:ASN:HD21	14	0.24
(1,1216)	1:17:A:GLU:HB3	1:48:A:ASN:HD21	14	0.24
(1,1214)	1:2:A:SER:H	1:3:A:ASP:H	2	0.24
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	3	0.24
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	17	0.24
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	20	0.24
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	17	0.24
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	6	0.24
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	12	0.24
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	19	0.24
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	19	0.24
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	6	0.24
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	13	0.24
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	13	0.24
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	16	0.24
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	16	0.24
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	5	0.24
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	4	0.24
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	8	0.24
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	11	0.24
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	2	0.24
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	13	0.24
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	16	0.24
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	7	0.24
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	11	0.24
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	16	0.24
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	18	0.24
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	3	0.24
(1,1141)	1:4:A:ASN:H	1:6:A:ALA:H	20	0.24
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	14	0.24
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	20	0.24
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	1	0.24
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	20	0.24
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	8	0.24
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	8	0.24
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	11	0.24
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	12	0.24
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	18	0.24
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	3	0.24
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	3	0.24
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	1	0.24
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	1	0.24
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	1	0.24
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	7	0.24
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	6	0.24
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	6	0.24
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	9	0.24
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	5	0.24
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	1	0.24
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	6	0.24
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	13	0.24
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	15	0.24
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	6	0.24
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	6	0.24
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	19	0.24
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	19	0.24
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	16	0.24
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	9	0.24
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	18	0.24
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	14	0.24
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	6	0.24
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	9	0.24
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	18	0.24
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	19	0.24
(1,991)	1:73:A:GLU:H	1:73:A:GLU:HG3	4	0.24
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	4	0.24
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	14	0.24
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	20	0.24
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	9	0.24
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	9	0.24
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	2	0.24
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	2	0.24
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	2	0.24
(1,975)	1:74:A:LEU:H	1:75:A:ASN:H	15	0.24
(1,973)	1:73:A:GLU:HG3	1:75:A:ASN:H	18	0.24
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	20	0.24
(1,957)	1:73:A:GLU:HB3	1:74:A:LEU:H	7	0.24
(1,957)	1:73:A:GLU:HB3	1:74:A:LEU:H	15	0.24
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	5	0.24
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	5	0.24
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	5	0.24
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	5	0.24
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	4	0.24
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	6	0.24
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	19	0.24
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	19	0.24
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD1	8	0.24
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD2	8	0.24
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD1	8	0.24
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD2	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD1	8	0.24
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD2	8	0.24
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	10	0.24
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	10	0.24
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	1	0.24
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	1	0.24
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	3	0.24
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	3	0.24
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD11	11	0.24
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD12	11	0.24
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD13	11	0.24
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD11	11	0.24
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD12	11	0.24
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD13	11	0.24
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD11	11	0.24
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD12	11	0.24
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD13	11	0.24
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD11	12	0.24
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD12	12	0.24
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD13	12	0.24
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD11	12	0.24
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD12	12	0.24
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD13	12	0.24
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD11	12	0.24
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD12	12	0.24
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD13	12	0.24
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	12	0.24
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	12	0.24
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	12	0.24
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	16	0.24
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	16	0.24
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	16	0.24
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	1	0.24
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	1	0.24
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	1	0.24
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD11	8	0.24
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD12	8	0.24
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD13	8	0.24
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD11	8	0.24
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD12	8	0.24
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD13	8	0.24
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	5	0.24
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	5	0.24
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	18	0.24
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	18	0.24
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	18	0.24
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	19	0.24
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	19	0.24
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	19	0.24
(1,882)	1:15:A:ILE:HD11	1:16:A:ASP:H	20	0.24
(1,882)	1:15:A:ILE:HD12	1:16:A:ASP:H	20	0.24
(1,882)	1:15:A:ILE:HD13	1:16:A:ASP:H	20	0.24
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	1	0.24
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	1	0.24
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	1	0.24
(1,875)	1:15:A:ILE:HD11	1:48:A:ASN:HB3	19	0.24
(1,875)	1:15:A:ILE:HD12	1:48:A:ASN:HB3	19	0.24
(1,875)	1:15:A:ILE:HD13	1:48:A:ASN:HB3	19	0.24
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	11	0.24
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	11	0.24
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	11	0.24
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD11	6	0.24
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD12	6	0.24
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD13	6	0.24
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD11	2	0.24
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD12	2	0.24
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD13	2	0.24
(1,858)	1:9:A:ILE:HD11	1:55:A:GLU:HG2	7	0.24
(1,858)	1:9:A:ILE:HD12	1:55:A:GLU:HG2	7	0.24
(1,858)	1:9:A:ILE:HD13	1:55:A:GLU:HG2	7	0.24
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	4	0.24
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	4	0.24
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	4	0.24
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	6	0.24
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	6	0.24
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	6	0.24
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	15	0.24
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	15	0.24
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	15	0.24
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	2	0.24
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	2	0.24
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	2	0.24
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	2	0.24
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	2	0.24
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	2	0.24
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	2	0.24
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	2	0.24
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD11	14	0.24
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD12	14	0.24
(1,843)	1:27:A:ILE:HG21	1:27:A:ILE:HD13	14	0.24
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD11	14	0.24
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD12	14	0.24
(1,843)	1:27:A:ILE:HG22	1:27:A:ILE:HD13	14	0.24
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD11	14	0.24
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD12	14	0.24
(1,843)	1:27:A:ILE:HG23	1:27:A:ILE:HD13	14	0.24
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	1	0.24
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	1	0.24
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	1	0.24
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	1	0.24
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	1	0.24
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	1	0.24
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	6	0.24
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	6	0.24
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	6	0.24
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	6	0.24
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	6	0.24
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	6	0.24
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	1	0.24
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	1	0.24
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	1	0.24
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	1	0.24
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	1	0.24
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	1	0.24
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	1	0.24
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	1	0.24
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	1	0.24
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	9	0.24
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	9	0.24
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	9	0.24
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	1	0.24
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	1	0.24
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	1	0.24
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG21	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG22	1	0.24
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG23	1	0.24
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG21	7	0.24
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG22	7	0.24
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG23	7	0.24
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	1	0.24
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	1	0.24
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	1	0.24
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	20	0.24
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	20	0.24
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	20	0.24
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	20	0.24
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	20	0.24
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	20	0.24
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	20	0.24
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	20	0.24
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	20	0.24
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG2	18	0.24
(1,757)	1:6:A:ALA:HB1	1:63:A:LYS:HG3	18	0.24
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG2	18	0.24
(1,757)	1:6:A:ALA:HB2	1:63:A:LYS:HG3	18	0.24
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG2	18	0.24
(1,757)	1:6:A:ALA:HB3	1:63:A:LYS:HG3	18	0.24
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	19	0.24
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	19	0.24
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	19	0.24
(1,753)	1:6:A:ALA:HB1	1:7:A:THR:H	20	0.24
(1,753)	1:6:A:ALA:HB2	1:7:A:THR:H	20	0.24
(1,753)	1:6:A:ALA:HB3	1:7:A:THR:H	20	0.24
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	5	0.24
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	5	0.24
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	5	0.24
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	7	0.24
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	7	0.24
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	7	0.24
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	1	0.24
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	1	0.24
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	1	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	2	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	2	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	2	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	4	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	4	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	5	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	5	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	5	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	8	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	8	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	8	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	11	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	11	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	11	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	12	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	12	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	12	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	15	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	15	0.24
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	15	0.24
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	2	0.24
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	2	0.24
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	2	0.24
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	2	0.24
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	2	0.24
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	2	0.24
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	2	0.24
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	2	0.24
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	2	0.24
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	9	0.24
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	9	0.24
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	9	0.24
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	14	0.24
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	14	0.24
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	14	0.24
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	12	0.24
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	12	0.24
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	12	0.24
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	2	0.24
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	2	0.24
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	2	0.24
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	9	0.24
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	9	0.24
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	9	0.24
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	11	0.24
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	11	0.24
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG21	13	0.24
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG22	13	0.24
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG23	13	0.24
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	9	0.24
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	9	0.24
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	9	0.24
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	9	0.24
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	9	0.24
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	9	0.24
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	9	0.24
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	9	0.24
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	9	0.24
(1,687)	1:16:A:ASP:HB3	1:18:A:THR:HG21	9	0.24
(1,687)	1:16:A:ASP:HB3	1:18:A:THR:HG22	9	0.24
(1,687)	1:16:A:ASP:HB3	1:18:A:THR:HG23	9	0.24
(1,686)	1:44:A:THR:HG21	1:45:A:THR:H	2	0.24
(1,686)	1:44:A:THR:HG22	1:45:A:THR:H	2	0.24
(1,686)	1:44:A:THR:HG23	1:45:A:THR:H	2	0.24
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	9	0.24
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	9	0.24
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	9	0.24
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	14	0.24
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	14	0.24
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	14	0.24
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	20	0.24
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	20	0.24
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	20	0.24
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	1	0.24
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	1	0.24
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	1	0.24
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	16	0.24
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	16	0.24
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	16	0.24
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	17	0.24
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	17	0.24
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	17	0.24
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	1	0.24
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	1	0.24
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	1	0.24
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	5	0.24
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	5	0.24
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	5	0.24
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	5	0.24
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	5	0.24
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG11	12	0.24
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG12	12	0.24
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG13	12	0.24
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG11	12	0.24
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG12	12	0.24
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG13	12	0.24
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	11	0.24
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	11	0.24
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	11	0.24
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	15	0.24
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	15	0.24
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	15	0.24
(1,618)	1:10:A:LEU:HD21	1:66:A:LEU:HD11	11	0.24
(1,618)	1:10:A:LEU:HD21	1:66:A:LEU:HD12	11	0.24
(1,618)	1:10:A:LEU:HD21	1:66:A:LEU:HD13	11	0.24
(1,618)	1:10:A:LEU:HD22	1:66:A:LEU:HD11	11	0.24
(1,618)	1:10:A:LEU:HD22	1:66:A:LEU:HD12	11	0.24
(1,618)	1:10:A:LEU:HD22	1:66:A:LEU:HD13	11	0.24
(1,618)	1:10:A:LEU:HD23	1:66:A:LEU:HD11	11	0.24
(1,618)	1:10:A:LEU:HD23	1:66:A:LEU:HD12	11	0.24
(1,618)	1:10:A:LEU:HD23	1:66:A:LEU:HD13	11	0.24
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	1	0.24
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	1	0.24
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	1	0.24
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	4	0.24
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	4	0.24
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	4	0.24
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	2	0.24
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	2	0.24
(1,600)	1:41:A:LEU:HD11	1:46:A:LYS:HA	3	0.24
(1,600)	1:41:A:LEU:HD12	1:46:A:LYS:HA	3	0.24
(1,600)	1:41:A:LEU:HD13	1:46:A:LYS:HA	3	0.24
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD11	19	0.24
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD12	19	0.24
(1,599)	1:41:A:LEU:H	1:41:A:LEU:HD13	19	0.24
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB1	6	0.24
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB2	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:51:A:PHE:HA	1:52:A:ALA:HB3	6	0.24
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	1	0.24
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	1	0.24
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	1	0.24
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	6	0.24
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	6	0.24
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	6	0.24
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	4	0.24
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	4	0.24
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	13	0.24
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	13	0.24
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	20	0.24
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	20	0.24
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	14	0.24
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	14	0.24
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	14	0.24
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	3	0.24
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	3	0.24
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	3	0.24
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG2	20	0.24
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG3	20	0.24
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	7	0.24
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	7	0.24
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	7	0.24
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	7	0.24
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	7	0.24
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	7	0.24
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	7	0.24
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	7	0.24
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	7	0.24
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	10	0.24
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	10	0.24
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	10	0.24
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	10	0.24
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	16	0.24
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	16	0.24
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	16	0.24
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	11	0.24
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	11	0.24
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	11	0.24
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	11	0.24
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	11	0.24
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	18	0.24
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	18	0.24
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	18	0.24
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	18	0.24
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	18	0.24
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	18	0.24
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	20	0.24
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	20	0.24
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	14	0.24
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	5	0.24
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	18	0.24
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	18	0.24
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	18	0.24
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	18	0.24
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	12	0.24
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	12	0.24
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	12	0.24
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	12	0.24
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	12	0.24
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	12	0.24
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	20	0.24
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	20	0.24
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	2	0.24
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	2	0.24
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	2	0.24
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	2	0.24
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	2	0.24
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	2	0.24
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	3	0.24
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	3	0.24
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	3	0.24
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	3	0.24
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	3	0.24
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	3	0.24
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	13	0.24
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	13	0.24
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	13	0.24
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	13	0.24
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	13	0.24
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	13	0.24
(1,507)	1:41:A:LEU:HD11	1:46:A:LYS:HB2	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,507)	1:41:A:LEU:HD12	1:46:A:LYS:HB2	14	0.24
(1,507)	1:41:A:LEU:HD13	1:46:A:LYS:HB2	14	0.24
(1,487)	1:0:A:HIS:HB2	1:80:A:HIS:HD2	20	0.24
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	19	0.24
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	16	0.24
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	20	0.24
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	10	0.24
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	10	0.24
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	12	0.24
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	17	0.24
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	19	0.24
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	9	0.24
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	9	0.24
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	9	0.24
(1,440)	1:43:A:MET:H	1:43:A:MET:HG2	12	0.24
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	17	0.24
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	18	0.24
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	12	0.24
(1,420)	1:10:A:LEU:H	1:54:A:VAL:HB	20	0.24
(1,406)	1:58:A:GLU:H	1:58:A:GLU:HG3	3	0.24
(1,405)	1:57:A:VAL:HG21	1:58:A:GLU:HG2	4	0.24
(1,405)	1:57:A:VAL:HG22	1:58:A:GLU:HG2	4	0.24
(1,405)	1:57:A:VAL:HG23	1:58:A:GLU:HG2	4	0.24
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	2	0.24
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	1	0.24
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	7	0.24
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	15	0.24
(1,392)	1:10:A:LEU:H	1:55:A:GLU:HG2	9	0.24
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	9	0.24
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	9	0.24
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	9	0.24
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	9	0.24
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	9	0.24
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	9	0.24
(1,361)	1:73:A:GLU:HG2	1:76:A:GLY:H	1	0.24
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	1	0.24
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	1	0.24
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	4	0.24
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	4	0.24
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	8	0.24
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	8	0.24
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	16	0.24
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	8	0.24
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	8	0.24
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	9	0.24
(1,334)	1:4:A:ASN:HB2	1:6:A:ALA:H	10	0.24
(1,334)	1:4:A:ASN:HB3	1:6:A:ALA:H	10	0.24
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	5	0.24
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	1	0.24
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	4	0.24
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	16	0.24
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	5	0.24
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	10	0.24
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	15	0.24
(1,315)	1:25:A:TYR:HE1	1:34:A:ILE:HB	20	0.24
(1,315)	1:25:A:TYR:HE2	1:34:A:ILE:HB	20	0.24
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	10	0.24
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	12	0.24
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	13	0.24
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	20	0.24
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	7	0.24
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	7	0.24
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	3	0.24
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	9	0.24
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	9	0.24
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	11	0.24
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	11	0.24
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	4	0.24
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	10	0.24
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	18	0.24
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	5	0.24
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD11	9	0.24
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD12	9	0.24
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD13	9	0.24
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	12	0.24
(1,243)	1:20:A:ASP:H	1:20:A:ASP:HB3	4	0.24
(1,243)	1:20:A:ASP:H	1:20:A:ASP:HB3	11	0.24
(1,242)	1:20:A:ASP:HB3	1:22:A:LYS:H	20	0.24
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	19	0.24
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	13	0.24
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	13	0.24
(1,218)	1:13:A:GLY:HA2	1:51:A:PHE:HA	18	0.24
(1,218)	1:13:A:GLY:HA3	1:51:A:PHE:HA	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD11	14	0.24
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD12	14	0.24
(1,215)	1:41:A:LEU:HB3	1:41:A:LEU:HD13	14	0.24
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	15	0.24
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	18	0.24
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	1	0.24
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	1	0.24
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	8	0.24
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	8	0.24
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	3	0.24
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	3	0.24
(1,198)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	3	0.24
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	6	0.24
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	6	0.24
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	3	0.24
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	12	0.24
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	12	0.24
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	12	0.24
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	15	0.24
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	15	0.24
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	18	0.24
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	19	0.24
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	1	0.24
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	12	0.24
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	18	0.24
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	1	0.24
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	1	0.24
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	5	0.24
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	19	0.24
(1,128)	1:53:A:PHE:HA	1:54:A:VAL:H	9	0.24
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	12	0.24
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	17	0.24
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	13	0.24
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	13	0.24
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	15	0.24
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	15	0.24
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	6	0.24
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	6	0.24
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	6	0.24
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE1	14	0.24
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE2	14	0.24
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD2	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD3	1	0.24
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	17	0.24
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	10	0.24
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	10	0.24
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	3	0.24
(1,92)	1:22:A:LYS:HA	1:25:A:TYR:HB3	16	0.24
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	5	0.24
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	11	0.24
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	18	0.24
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	13	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	16	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	16	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	16	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	16	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	16	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	16	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	19	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	19	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	19	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	19	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	19	0.24
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	19	0.24
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	4	0.24
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	7	0.24
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	7	0.24
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	14	0.24
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	14	0.24
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	14	0.24
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	14	0.24
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	14	0.24
(1,26)	1:9:A:ILE:HD11	1:86:A:THR:HA	2	0.24
(1,26)	1:9:A:ILE:HD12	1:86:A:THR:HA	2	0.24
(1,26)	1:9:A:ILE:HD13	1:86:A:THR:HA	2	0.24
(1,26)	1:9:A:ILE:HD11	1:86:A:THR:HA	13	0.24
(1,26)	1:9:A:ILE:HD12	1:86:A:THR:HA	13	0.24
(1,26)	1:9:A:ILE:HD13	1:86:A:THR:HA	13	0.24
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	7	0.24
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	9	0.24
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	17	0.24
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	19	0.24
(1,20)	1:84:A:SER:HB2	1:85:A:LYS:H	20	0.24
(1,20)	1:84:A:SER:HB3	1:85:A:LYS:H	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	10	0.24
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	1	0.24
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	9	0.24
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	9	0.24
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	10	0.24
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	10	0.24
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	10	0.23
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	10	0.23
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	10	0.23
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	10	0.23
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	10	0.23
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	10	0.23
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	12	0.23
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	12	0.23
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	12	0.23
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	12	0.23
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	12	0.23
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	12	0.23
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	3	0.23
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	3	0.23
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	3	0.23
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	7	0.23
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	7	0.23
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	7	0.23
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	18	0.23
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	18	0.23
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	18	0.23
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	3	0.23
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	3	0.23
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	3	0.23
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	9	0.23
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	9	0.23
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	9	0.23
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	1	0.23
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	1	0.23
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	1	0.23
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	17	0.23
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	17	0.23
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	17	0.23
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	17	0.23
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	17	0.23
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	16	0.23
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	16	0.23
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	16	0.23
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	16	0.23
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	16	0.23
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	16	0.23
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	16	0.23
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	16	0.23
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	16	0.23
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	16	0.23
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	16	0.23
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	16	0.23
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	16	0.23
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	16	0.23
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	16	0.23
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	16	0.23
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	16	0.23
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	16	0.23
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	16	0.23
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	17	0.23
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	17	0.23
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	17	0.23
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	1	0.23
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	1	0.23
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	11	0.23
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	11	0.23
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	11	0.23
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	11	0.23
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	11	0.23
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	11	0.23
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD11	19	0.23
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD12	19	0.23
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD13	19	0.23
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	9	0.23
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG11	14	0.23
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG12	14	0.23
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG13	14	0.23
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG21	14	0.23
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG22	14	0.23
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG23	14	0.23
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	10	0.23
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	20	0.23
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	20	0.23
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	10	0.23
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	10	0.23
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	10	0.23
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	17	0.23
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	17	0.23
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	17	0.23
(1,1364)	1:37:A:ILE:HD11	1:54:A:VAL:HA	17	0.23
(1,1364)	1:37:A:ILE:HD12	1:54:A:VAL:HA	17	0.23
(1,1364)	1:37:A:ILE:HD13	1:54:A:VAL:HA	17	0.23
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD21	7	0.23
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD22	7	0.23
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD23	7	0.23
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	1	0.23
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	1	0.23
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	1	0.23
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	13	0.23
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	13	0.23
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	13	0.23
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	2	0.23
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	8	0.23
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	3	0.23
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	20	0.23
(1,1305)	1:74:A:LEU:HD21	1:75:A:ASN:HD22	19	0.23
(1,1305)	1:74:A:LEU:HD22	1:75:A:ASN:HD22	19	0.23
(1,1305)	1:74:A:LEU:HD23	1:75:A:ASN:HD22	19	0.23
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	4	0.23
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	4	0.23
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	17	0.23
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	17	0.23
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	16	0.23
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	16	0.23
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	18	0.23
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	20	0.23
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	2	0.23
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	17	0.23
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	5	0.23
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	16	0.23
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	3	0.23
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	8	0.23
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	18	0.23
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	20	0.23
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	2	0.23
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	10	0.23
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	14	0.23
(1,1202)	1:46:A:LYS:H	1:47:A:LYS:H	13	0.23
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	4	0.23
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	16	0.23
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	1	0.23
(1,1184)	1:41:A:LEU:HD21	1:48:A:ASN:H	17	0.23
(1,1184)	1:41:A:LEU:HD22	1:48:A:ASN:H	17	0.23
(1,1184)	1:41:A:LEU:HD23	1:48:A:ASN:H	17	0.23
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	7	0.23
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	9	0.23
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	12	0.23
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	15	0.23
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE2	20	0.23
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE3	20	0.23
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	12	0.23
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	18	0.23
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	4	0.23
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	13	0.23
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	19	0.23
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	9	0.23
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	20	0.23
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	9	0.23
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	6	0.23
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	6	0.23
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	6	0.23
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	16	0.23
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	16	0.23
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	16	0.23
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	1	0.23
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	3	0.23
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	10	0.23
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	11	0.23
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	20	0.23
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	3	0.23
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	17	0.23
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	17	0.23
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	17	0.23
(1,1085)	1:12:A:VAL:H	1:52:A:ALA:H	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	6	0.23
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	11	0.23
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	7	0.23
(1,1079)	1:74:A:LEU:H	1:77:A:LYS:H	18	0.23
(1,1076)	1:11:A:PHE:H	1:82:A:ASN:H	1	0.23
(1,1076)	1:11:A:PHE:H	1:82:A:ASN:H	7	0.23
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	7	0.23
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	7	0.23
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	7	0.23
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	10	0.23
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	20	0.23
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	20	0.23
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	15	0.23
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	7	0.23
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	3	0.23
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	3	0.23
(1,1019)	1:80:A:HIS:HB2	1:81:A:VAL:H	15	0.23
(1,1019)	1:80:A:HIS:HB2	1:81:A:VAL:H	17	0.23
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	15	0.23
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	17	0.23
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	18	0.23
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	1	0.23
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	1	0.23
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	1	0.23
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	11	0.23
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD2	12	0.23
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD3	12	0.23
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	13	0.23
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	4	0.23
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	10	0.23
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	2	0.23
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	5	0.23
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	19	0.23
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	13	0.23
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	13	0.23
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	13	0.23
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	12	0.23
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	12	0.23
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	12	0.23
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	12	0.23
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	12	0.23
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	13	0.23
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	13	0.23
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE1	11	0.23
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE2	11	0.23
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD11	1	0.23
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD12	1	0.23
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD13	1	0.23
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD11	1	0.23
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD12	1	0.23
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD13	1	0.23
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD11	1	0.23
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD12	1	0.23
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD13	1	0.23
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD11	3	0.23
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD12	3	0.23
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD13	3	0.23
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD11	3	0.23
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD12	3	0.23
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD13	3	0.23
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD11	3	0.23
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD12	3	0.23
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD13	3	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	7	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	7	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	7	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	11	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	11	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	11	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	13	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	13	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	13	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	16	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	16	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	16	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	17	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	17	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	17	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	19	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	19	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	19	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	20	0.23
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	20	0.23
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	10	0.23
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	10	0.23
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	10	0.23
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	16	0.23
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	16	0.23
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	16	0.23
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	16	0.23
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	16	0.23
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	16	0.23
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	18	0.23
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	18	0.23
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	18	0.23
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	18	0.23
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	18	0.23
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	18	0.23
(1,883)	1:15:A:ILE:HD11	1:48:A:ASN:HD21	6	0.23
(1,883)	1:15:A:ILE:HD12	1:48:A:ASN:HD21	6	0.23
(1,883)	1:15:A:ILE:HD13	1:48:A:ASN:HD21	6	0.23
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	12	0.23
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	12	0.23
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	12	0.23
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	20	0.23
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	20	0.23
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	20	0.23
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD11	9	0.23
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD12	9	0.23
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD13	9	0.23
(1,852)	1:37:A:ILE:HG21	1:54:A:VAL:HA	1	0.23
(1,852)	1:37:A:ILE:HG22	1:54:A:VAL:HA	1	0.23
(1,852)	1:37:A:ILE:HG23	1:54:A:VAL:HA	1	0.23
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	5	0.23
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	5	0.23
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	5	0.23
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	11	0.23
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	11	0.23
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	11	0.23
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	13	0.23
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	13	0.23
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	13	0.23
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG11	5	0.23
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG12	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG13	5	0.23
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG11	5	0.23
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG12	5	0.23
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG13	5	0.23
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG11	5	0.23
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG12	5	0.23
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG13	5	0.23
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG12	16	0.23
(1,832)	1:34:A:ILE:HG21	1:37:A:ILE:HG13	16	0.23
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG12	16	0.23
(1,832)	1:34:A:ILE:HG22	1:37:A:ILE:HG13	16	0.23
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG12	16	0.23
(1,832)	1:34:A:ILE:HG23	1:37:A:ILE:HG13	16	0.23
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	17	0.23
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	17	0.23
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	17	0.23
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	19	0.23
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	19	0.23
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	19	0.23
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	19	0.23
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	19	0.23
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	19	0.23
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	11	0.23
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	11	0.23
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	11	0.23
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	20	0.23
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	20	0.23
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	20	0.23
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	20	0.23
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	20	0.23
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	20	0.23
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	20	0.23
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	20	0.23
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	20	0.23
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	1	0.23
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	1	0.23
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	1	0.23
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	17	0.23
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	17	0.23
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	17	0.23
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	4	0.23
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	4	0.23
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	10	0.23
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	10	0.23
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	10	0.23
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	15	0.23
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	15	0.23
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	15	0.23
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	6	0.23
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	6	0.23
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	6	0.23
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	6	0.23
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	6	0.23
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	6	0.23
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	6	0.23
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	6	0.23
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	6	0.23
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	7	0.23
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	7	0.23
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	7	0.23
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	7	0.23
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	7	0.23
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	7	0.23
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	7	0.23
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	7	0.23
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	7	0.23
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	19	0.23
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	19	0.23
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	19	0.23
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	19	0.23
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	19	0.23
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	19	0.23
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	19	0.23
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	19	0.23
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	19	0.23
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE1	18	0.23
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE2	18	0.23
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE1	18	0.23
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE2	18	0.23
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE1	18	0.23
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE2	18	0.23
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	15	0.23
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	15	0.23
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	19	0.23
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	19	0.23
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	19	0.23
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	3	0.23
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	3	0.23
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	3	0.23
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	10	0.23
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	10	0.23
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	10	0.23
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG11	7	0.23
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG12	7	0.23
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG13	7	0.23
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG11	7	0.23
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG12	7	0.23
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG13	7	0.23
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	5	0.23
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	5	0.23
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	5	0.23
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	5	0.23
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	5	0.23
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	5	0.23
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	17	0.23
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	17	0.23
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	17	0.23
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	13	0.23
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	13	0.23
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	13	0.23
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	16	0.23
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	16	0.23
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	16	0.23
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	17	0.23
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	17	0.23
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	17	0.23
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	19	0.23
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	19	0.23
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	19	0.23
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	9	0.23
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	9	0.23
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	9	0.23
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	9	0.23
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	9	0.23
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	9	0.23
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	9	0.23
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	9	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	5	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	5	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	5	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	12	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	12	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	12	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	14	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	14	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	14	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	18	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	18	0.23
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	18	0.23
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	7	0.23
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	7	0.23
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	7	0.23
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	7	0.23
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	7	0.23
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	7	0.23
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	7	0.23
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	7	0.23
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	7	0.23
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	5	0.23
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	5	0.23
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	5	0.23
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	15	0.23
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	15	0.23
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	15	0.23
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	18	0.23
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	18	0.23
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	18	0.23
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	3	0.23
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	3	0.23
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	3	0.23
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	3	0.23
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	3	0.23
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	3	0.23
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	3	0.23
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	3	0.23
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	19	0.23
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	19	0.23
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	19	0.23
(1,674)	1:41:A:LEU:HD21	1:46:A:LYS:HA	14	0.23
(1,674)	1:41:A:LEU:HD22	1:46:A:LYS:HA	14	0.23
(1,674)	1:41:A:LEU:HD23	1:46:A:LYS:HA	14	0.23
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD21	4	0.23
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD22	4	0.23
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD23	4	0.23
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD21	9	0.23
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD22	9	0.23
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD23	9	0.23
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	19	0.23
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	19	0.23
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	19	0.23
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG21	2	0.23
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG22	2	0.23
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG23	2	0.23
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG21	2	0.23
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG22	2	0.23
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG23	2	0.23
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	3	0.23
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	3	0.23
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	3	0.23
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	14	0.23
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	14	0.23
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	14	0.23
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	15	0.23
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	15	0.23
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	15	0.23
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	5	0.23
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	5	0.23
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	5	0.23
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	13	0.23
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	13	0.23
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	13	0.23
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	8	0.23
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	8	0.23
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	8	0.23
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	14	0.23
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	14	0.23
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	19	0.23
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	19	0.23
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	19	0.23
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	9	0.23
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	9	0.23
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	9	0.23
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	9	0.23
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	9	0.23
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	9	0.23
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	12	0.23
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	12	0.23
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	12	0.23
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	12	0.23
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	12	0.23
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	12	0.23
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	18	0.23
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	18	0.23
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	18	0.23
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	18	0.23
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	18	0.23
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	18	0.23
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	8	0.23
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	8	0.23
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	8	0.23
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	4	0.23
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	4	0.23
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	4	0.23
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	17	0.23
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	17	0.23
(1,614)	1:66:A:LEU:HD11	1:67:A:TYR:HE1	4	0.23
(1,614)	1:66:A:LEU:HD11	1:67:A:TYR:HE2	4	0.23
(1,614)	1:66:A:LEU:HD12	1:67:A:TYR:HE1	4	0.23
(1,614)	1:66:A:LEU:HD12	1:67:A:TYR:HE2	4	0.23
(1,614)	1:66:A:LEU:HD13	1:67:A:TYR:HE1	4	0.23
(1,614)	1:66:A:LEU:HD13	1:67:A:TYR:HE2	4	0.23
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	13	0.23
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	13	0.23
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	8	0.23
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	8	0.23
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	8	0.23
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	7	0.23
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	7	0.23
(1,585)	1:15:A:ILE:HG12	1:48:A:ASN:HD22	6	0.23
(1,585)	1:15:A:ILE:HG13	1:48:A:ASN:HD22	6	0.23
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	1	0.23
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	1	0.23
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	7	0.23
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	7	0.23
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	7	0.23
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	15	0.23
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	15	0.23
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	15	0.23
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	12	0.23
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	12	0.23
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	12	0.23
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	12	0.23
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	12	0.23
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	12	0.23
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	7	0.23
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	3	0.23
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	3	0.23
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	3	0.23
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	3	0.23
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	20	0.23
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	20	0.23
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	20	0.23
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	20	0.23
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	10	0.23
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	10	0.23
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	10	0.23
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	10	0.23
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	13	0.23
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	13	0.23
(1,522)	1:46:A:LYS:HD2	1:47:A:LYS:H	13	0.23
(1,522)	1:46:A:LYS:HD3	1:47:A:LYS:H	13	0.23
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	5	0.23
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	5	0.23
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	5	0.23
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	5	0.23
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	5	0.23
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	5	0.23
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	12	0.23
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	12	0.23
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	9	0.23
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	11	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	11	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	11	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	11	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	11	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	11	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	11	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	14	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	14	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	14	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	14	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	14	0.23
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	14	0.23
(1,495)	1:20:A:ASP:HB3	1:21:A:GLU:HB2	14	0.23
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	17	0.23
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	17	0.23
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	4	0.23
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	1	0.23
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	1	0.23
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	5	0.23
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	5	0.23
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	6	0.23
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	6	0.23
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	12	0.23
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	14	0.23
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	14	0.23
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	1	0.23
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG21	9	0.23
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG22	9	0.23
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG23	9	0.23
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	13	0.23
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	13	0.23
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	7	0.23
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	7	0.23
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	20	0.23
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	20	0.23
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	17	0.23
(1,420)	1:10:A:LEU:H	1:54:A:VAL:HB	6	0.23
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	6	0.23
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	6	0.23
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	18	0.23
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	18	0.23
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	10	0.23
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	5	0.23
(1,385)	1:38:A:GLU:HA	1:38:A:GLU:HG2	16	0.23
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG21	14	0.23
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG22	14	0.23
(1,373)	1:21:A:GLU:HG2	1:37:A:ILE:HG23	14	0.23
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	6	0.23
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	12	0.23
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	13	0.23
(1,327)	1:42:A:ASN:HB2	1:47:A:LYS:H	13	0.23
(1,327)	1:42:A:ASN:HB2	1:47:A:LYS:H	16	0.23
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	10	0.23
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB1	11	0.23
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB2	11	0.23
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB3	11	0.23
(1,315)	1:25:A:TYR:HE1	1:34:A:ILE:HB	6	0.23
(1,315)	1:25:A:TYR:HE2	1:34:A:ILE:HB	6	0.23
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	9	0.23
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	15	0.23
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	8	0.23
(1,303)	1:26:A:ASP:H	1:26:A:ASP:HB3	19	0.23
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	9	0.23
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	4	0.23
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	1	0.23
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	1	0.23
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	16	0.23
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	16	0.23
(1,290)	1:11:A:PHE:HB2	1:82:A:ASN:H	4	0.23
(1,290)	1:11:A:PHE:HB3	1:82:A:ASN:H	4	0.23
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	10	0.23
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	1	0.23
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	1	0.23
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG11	18	0.23
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG12	18	0.23
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG13	18	0.23
(1,277)	1:34:A:ILE:HG21	1:37:A:ILE:HB	3	0.23
(1,277)	1:34:A:ILE:HG22	1:37:A:ILE:HB	3	0.23
(1,277)	1:34:A:ILE:HG23	1:37:A:ILE:HB	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	15	0.23
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE2	4	0.23
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE3	4	0.23
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	14	0.23
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	14	0.23
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	14	0.23
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	14	0.23
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	5	0.23
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	14	0.23
(1,247)	1:11:A:PHE:HE1	1:51:A:PHE:HB3	5	0.23
(1,247)	1:11:A:PHE:HE2	1:51:A:PHE:HB3	5	0.23
(1,247)	1:11:A:PHE:HE1	1:51:A:PHE:HB3	15	0.23
(1,247)	1:11:A:PHE:HE2	1:51:A:PHE:HB3	15	0.23
(1,247)	1:11:A:PHE:HE1	1:51:A:PHE:HB3	20	0.23
(1,247)	1:11:A:PHE:HE2	1:51:A:PHE:HB3	20	0.23
(1,238)	1:11:A:PHE:HE1	1:51:A:PHE:HB2	17	0.23
(1,238)	1:11:A:PHE:HE2	1:51:A:PHE:HB2	17	0.23
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	3	0.23
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	5	0.23
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	8	0.23
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	10	0.23
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG21	7	0.23
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG22	7	0.23
(1,223)	1:35:A:ARG:HD2	1:57:A:VAL:HG23	7	0.23
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG21	7	0.23
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG22	7	0.23
(1,223)	1:35:A:ARG:HD3	1:57:A:VAL:HG23	7	0.23
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	7	0.23
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	7	0.23
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	7	0.23
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	7	0.23
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	12	0.23
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	14	0.23
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	17	0.23
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	9	0.23
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	20	0.23
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	1	0.23
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	9	0.23
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	13	0.23
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	16	0.23
(1,156)	1:9:A:ILE:HG13	1:55:A:GLU:HA	18	0.23
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	13	0.23
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	13	0.23
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	5	0.23
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	7	0.23
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	15	0.23
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	3	0.23
(1,131)	1:11:A:PHE:HA	1:53:A:PHE:HA	8	0.23
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	14	0.23
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	10	0.23
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	7	0.23
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	8	0.23
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	3	0.23
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	3	0.23
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	3	0.23
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	5	0.23
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	2	0.23
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	7	0.23
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	17	0.23
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	17	0.23
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	17	0.23
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD2	15	0.23
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD3	15	0.23
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	13	0.23
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	8	0.23
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	3	0.23
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	3	0.23
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	3	0.23
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	12	0.23
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	12	0.23
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	12	0.23
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	15	0.23
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	15	0.23
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	15	0.23
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	3	0.23
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	18	0.23
(1,36)	1:23:A:SER:H	1:23:A:SER:HB3	3	0.23
(1,35)	1:22:A:LYS:HD2	1:23:A:SER:HB3	15	0.23
(1,35)	1:22:A:LYS:HD3	1:23:A:SER:HB3	15	0.23
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	5	0.23
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	13	0.23
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	20	0.23
(1,9)	1:44:A:THR:H	1:44:A:THR:HB	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	13	0.22
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	13	0.22
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	13	0.22
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	13	0.22
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	13	0.22
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	13	0.22
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	3	0.22
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	3	0.22
(1,1529)	1:19:A:ILE:HD11	1:41:A:LEU:HG	16	0.22
(1,1529)	1:19:A:ILE:HD12	1:41:A:LEU:HG	16	0.22
(1,1529)	1:19:A:ILE:HD13	1:41:A:LEU:HG	16	0.22
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	12	0.22
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	12	0.22
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	12	0.22
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	12	0.22
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	12	0.22
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	12	0.22
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	3	0.22
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	3	0.22
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	3	0.22
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	6	0.22
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	6	0.22
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	6	0.22
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	10	0.22
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	10	0.22
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	10	0.22
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	10	0.22
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	10	0.22
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	10	0.22
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	15	0.22
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	15	0.22
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	15	0.22
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG11	9	0.22
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG12	9	0.22
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG13	9	0.22
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG11	9	0.22
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG12	9	0.22
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG13	9	0.22
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG11	9	0.22
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG12	9	0.22
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG13	9	0.22
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD2	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1474)	1:41:A:LEU:HD11	1:47:A:LYS:HD3	14	0.22
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD2	14	0.22
(1,1474)	1:41:A:LEU:HD12	1:47:A:LYS:HD3	14	0.22
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD2	14	0.22
(1,1474)	1:41:A:LEU:HD13	1:47:A:LYS:HD3	14	0.22
(1,1468)	1:24:A:LEU:HD11	1:37:A:ILE:HG21	4	0.22
(1,1468)	1:24:A:LEU:HD11	1:37:A:ILE:HG22	4	0.22
(1,1468)	1:24:A:LEU:HD11	1:37:A:ILE:HG23	4	0.22
(1,1468)	1:24:A:LEU:HD12	1:37:A:ILE:HG21	4	0.22
(1,1468)	1:24:A:LEU:HD12	1:37:A:ILE:HG22	4	0.22
(1,1468)	1:24:A:LEU:HD12	1:37:A:ILE:HG23	4	0.22
(1,1468)	1:24:A:LEU:HD13	1:37:A:ILE:HG21	4	0.22
(1,1468)	1:24:A:LEU:HD13	1:37:A:ILE:HG22	4	0.22
(1,1468)	1:24:A:LEU:HD13	1:37:A:ILE:HG23	4	0.22
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	15	0.22
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	7	0.22
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	7	0.22
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	7	0.22
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	6	0.22
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	6	0.22
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	6	0.22
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	18	0.22
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	18	0.22
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	18	0.22
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	18	0.22
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	18	0.22
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	18	0.22
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE2	15	0.22
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE3	15	0.22
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	13	0.22
(1,1410)	1:70:A:ASN:HB2	1:80:A:HIS:HA	11	0.22
(1,1410)	1:70:A:ASN:HB3	1:80:A:HIS:HA	11	0.22
(1,1410)	1:70:A:ASN:HB2	1:80:A:HIS:HA	17	0.22
(1,1410)	1:70:A:ASN:HB3	1:80:A:HIS:HA	17	0.22
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	10	0.22
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	19	0.22
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	9	0.22
(1,1337)	1:14:A:GLY:H	1:52:A:ALA:H	11	0.22
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	7	0.22
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	12	0.22
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	14	0.22
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	17	0.22
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	2	0.22
(1,1317)	1:16:A:ASP:HB2	1:18:A:THR:H	7	0.22
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	15	0.22
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	1	0.22
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	2	0.22
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	2	0.22
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	2	0.22
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	2	0.22
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	3	0.22
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	3	0.22
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	3	0.22
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	16	0.22
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	12	0.22
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	10	0.22
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	9	0.22
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	14	0.22
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	8	0.22
(1,1237)	1:33:A:ASP:H	1:58:A:GLU:HG2	17	0.22
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	7	0.22
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	14	0.22
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	6	0.22
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	2	0.22
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	8	0.22
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	8	0.22
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	8	0.22
(1,1202)	1:46:A:LYS:H	1:47:A:LYS:H	2	0.22
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	3	0.22
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	10	0.22
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	18	0.22
(1,1184)	1:41:A:LEU:HD21	1:48:A:ASN:H	6	0.22
(1,1184)	1:41:A:LEU:HD22	1:48:A:ASN:H	6	0.22
(1,1184)	1:41:A:LEU:HD23	1:48:A:ASN:H	6	0.22
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	3	0.22
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	14	0.22
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	13	0.22
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	13	0.22
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	13	0.22
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	17	0.22
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	5	0.22
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	18	0.22
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:59:A:VAL:H	1:60:A:ASP:H	13	0.22
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	7	0.22
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	8	0.22
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	15	0.22
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	20	0.22
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	2	0.22
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	2	0.22
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	7	0.22
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	7	0.22
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	12	0.22
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	12	0.22
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	9	0.22
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	9	0.22
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	9	0.22
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	14	0.22
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	18	0.22
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	15	0.22
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	4	0.22
(1,1089)	1:85:A:LYS:HB3	1:86:A:THR:H	17	0.22
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	9	0.22
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	4	0.22
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	20	0.22
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	20	0.22
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	20	0.22
(1,1076)	1:11:A:PHE:H	1:82:A:ASN:H	10	0.22
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	1	0.22
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	12	0.22
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	16	0.22
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	2	0.22
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	3	0.22
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	7	0.22
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	11	0.22
(1,1019)	1:80:A:HIS:HB2	1:81:A:VAL:H	19	0.22
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	5	0.22
(1,1013)	1:11:A:PHE:H	1:12:A:VAL:H	6	0.22
(1,1009)	1:58:A:GLU:HB2	1:59:A:VAL:H	4	0.22
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD2	17	0.22
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD3	17	0.22
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD2	18	0.22
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD3	18	0.22
(1,999)	1:19:A:ILE:HG12	1:20:A:ASP:H	3	0.22
(1,999)	1:19:A:ILE:HG13	1:20:A:ASP:H	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,999)	1:19:A:ILE:HG12	1:20:A:ASP:H	6	0.22
(1,999)	1:19:A:ILE:HG13	1:20:A:ASP:H	6	0.22
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE2	9	0.22
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE3	9	0.22
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE2	13	0.22
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE3	13	0.22
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	16	0.22
(1,991)	1:73:A:GLU:H	1:73:A:GLU:HG3	14	0.22
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	16	0.22
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	12	0.22
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	12	0.22
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	4	0.22
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	4	0.22
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	4	0.22
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	5	0.22
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	5	0.22
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	5	0.22
(1,975)	1:74:A:LEU:H	1:75:A:ASN:H	10	0.22
(1,974)	1:73:A:GLU:HB2	1:75:A:ASN:H	3	0.22
(1,973)	1:73:A:GLU:HG3	1:75:A:ASN:H	3	0.22
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	18	0.22
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	18	0.22
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	18	0.22
(1,957)	1:73:A:GLU:HB3	1:74:A:LEU:H	11	0.22
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	18	0.22
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	10	0.22
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	14	0.22
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	14	0.22
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	20	0.22
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	20	0.22
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	9	0.22
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	9	0.22
(1,925)	1:11:A:PHE:HE1	1:52:A:ALA:H	5	0.22
(1,925)	1:11:A:PHE:HE2	1:52:A:ALA:H	5	0.22
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD1	18	0.22
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD2	18	0.22
(1,912)	1:19:A:ILE:HD11	1:46:A:LYS:HG2	4	0.22
(1,912)	1:19:A:ILE:HD11	1:46:A:LYS:HG3	4	0.22
(1,912)	1:19:A:ILE:HD12	1:46:A:LYS:HG2	4	0.22
(1,912)	1:19:A:ILE:HD12	1:46:A:LYS:HG3	4	0.22
(1,912)	1:19:A:ILE:HD13	1:46:A:LYS:HG2	4	0.22
(1,912)	1:19:A:ILE:HD13	1:46:A:LYS:HG3	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD11	6	0.22
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD12	6	0.22
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD13	6	0.22
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD11	6	0.22
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD12	6	0.22
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD13	6	0.22
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD11	6	0.22
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD12	6	0.22
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD13	6	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	6	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	6	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	6	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	8	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	8	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	8	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	18	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	18	0.22
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	18	0.22
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	7	0.22
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	7	0.22
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	7	0.22
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	17	0.22
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	17	0.22
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	17	0.22
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	11	0.22
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	11	0.22
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	11	0.22
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	11	0.22
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	11	0.22
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	11	0.22
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD11	11	0.22
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD12	11	0.22
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD13	11	0.22
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD11	11	0.22
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD12	11	0.22
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD13	11	0.22
(1,875)	1:15:A:ILE:HD11	1:48:A:ASN:HB3	18	0.22
(1,875)	1:15:A:ILE:HD12	1:48:A:ASN:HB3	18	0.22
(1,875)	1:15:A:ILE:HD13	1:48:A:ASN:HB3	18	0.22
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	12	0.22
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	12	0.22
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	14	0.22
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	14	0.22
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	14	0.22
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG11	5	0.22
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG12	5	0.22
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG13	5	0.22
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG11	5	0.22
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG12	5	0.22
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG13	5	0.22
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG11	5	0.22
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG12	5	0.22
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG13	5	0.22
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG21	15	0.22
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG22	15	0.22
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG23	15	0.22
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	12	0.22
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	12	0.22
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	12	0.22
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	10	0.22
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	10	0.22
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	10	0.22
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	18	0.22
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	18	0.22
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	18	0.22
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	12	0.22
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	12	0.22
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	12	0.22
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	19	0.22
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	19	0.22
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	19	0.22
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	11	0.22
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	11	0.22
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	11	0.22
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB1	20	0.22
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB2	20	0.22
(1,811)	1:7:A:THR:HA	1:62:A:ALA:HB3	20	0.22
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	12	0.22
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	12	0.22
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	12	0.22
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	7	0.22
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	7	0.22
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	10	0.22
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	10	0.22
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	10	0.22
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	5	0.22
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	5	0.22
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	5	0.22
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG21	16	0.22
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG22	16	0.22
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG23	16	0.22
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG21	18	0.22
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG22	18	0.22
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG23	18	0.22
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	13	0.22
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	13	0.22
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	13	0.22
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	6	0.22
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	6	0.22
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	6	0.22
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	6	0.22
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	6	0.22
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	6	0.22
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	6	0.22
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	6	0.22
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	6	0.22
(1,756)	1:6:A:ALA:HB1	1:9:A:ILE:HB	17	0.22
(1,756)	1:6:A:ALA:HB2	1:9:A:ILE:HB	17	0.22
(1,756)	1:6:A:ALA:HB3	1:9:A:ILE:HB	17	0.22
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	12	0.22
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	12	0.22
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	12	0.22
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	16	0.22
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	16	0.22
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	16	0.22
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	16	0.22
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	16	0.22
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	16	0.22
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	16	0.22
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	16	0.22
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	16	0.22
(1,749)	1:12:A:VAL:HG21	1:54:A:VAL:H	5	0.22
(1,749)	1:12:A:VAL:HG22	1:54:A:VAL:H	5	0.22
(1,749)	1:12:A:VAL:HG23	1:54:A:VAL:H	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	1	0.22
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	1	0.22
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	1	0.22
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	9	0.22
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	9	0.22
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	9	0.22
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	1	0.22
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	1	0.22
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	1	0.22
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	2	0.22
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	2	0.22
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	2	0.22
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	7	0.22
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	7	0.22
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	7	0.22
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	7	0.22
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	7	0.22
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	7	0.22
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	11	0.22
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	11	0.22
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	11	0.22
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	11	0.22
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	11	0.22
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	11	0.22
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	11	0.22
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	11	0.22
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	11	0.22
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	14	0.22
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	14	0.22
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	14	0.22
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	18	0.22
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	18	0.22
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	18	0.22
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	3	0.22
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	3	0.22
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	3	0.22
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	6	0.22
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	6	0.22
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	6	0.22
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	18	0.22
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	18	0.22
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	19	0.22
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	19	0.22
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	19	0.22
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	8	0.22
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	8	0.22
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	8	0.22
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	20	0.22
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	20	0.22
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	20	0.22
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	7	0.22
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	7	0.22
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	7	0.22
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG21	11	0.22
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG22	11	0.22
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG23	11	0.22
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	9	0.22
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	9	0.22
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	9	0.22
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	15	0.22
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	15	0.22
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	15	0.22
(1,700)	1:44:A:THR:H	1:45:A:THR:HG21	9	0.22
(1,700)	1:44:A:THR:H	1:45:A:THR:HG22	9	0.22
(1,700)	1:44:A:THR:H	1:45:A:THR:HG23	9	0.22
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD21	4	0.22
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD22	4	0.22
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD23	4	0.22
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD21	4	0.22
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD22	4	0.22
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD23	4	0.22
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD21	4	0.22
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD22	4	0.22
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD23	4	0.22
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	6	0.22
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	6	0.22
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	6	0.22
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	3	0.22
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	3	0.22
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	3	0.22
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	20	0.22
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	20	0.22
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	9	0.22
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	9	0.22
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	9	0.22
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	13	0.22
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	13	0.22
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	13	0.22
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG11	16	0.22
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG12	16	0.22
(1,660)	1:59:A:VAL:HA	1:59:A:VAL:HG13	16	0.22
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	4	0.22
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	4	0.22
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	4	0.22
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	5	0.22
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	5	0.22
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	5	0.22
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	6	0.22
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	6	0.22
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	6	0.22
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	7	0.22
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	7	0.22
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	7	0.22
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	7	0.22
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	7	0.22
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	7	0.22
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	9	0.22
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	9	0.22
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	9	0.22
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	9	0.22
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	9	0.22
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	9	0.22
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	10	0.22
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	10	0.22
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	10	0.22
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	20	0.22
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	20	0.22
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	20	0.22
(1,613)	1:66:A:LEU:HD11	1:82:A:ASN:HD22	19	0.22
(1,613)	1:66:A:LEU:HD12	1:82:A:ASN:HD22	19	0.22
(1,613)	1:66:A:LEU:HD13	1:82:A:ASN:HD22	19	0.22
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	4	0.22
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	4	0.22
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	8	0.22
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	1	0.22
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	1	0.22
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	1	0.22
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	11	0.22
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	11	0.22
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	11	0.22
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	12	0.22
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	12	0.22
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	12	0.22
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	14	0.22
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	14	0.22
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	14	0.22
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	15	0.22
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	15	0.22
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	15	0.22
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	4	0.22
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	4	0.22
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	4	0.22
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	15	0.22
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	15	0.22
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	15	0.22
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	19	0.22
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	19	0.22
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	19	0.22
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	6	0.22
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	6	0.22
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	6	0.22
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	11	0.22
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	11	0.22
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	11	0.22
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	17	0.22
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	17	0.22
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	17	0.22
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	17	0.22
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	4	0.22
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	4	0.22
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	4	0.22
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB1	18	0.22
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB2	18	0.22
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB3	18	0.22
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB1	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB2	18	0.22
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB3	18	0.22
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB1	18	0.22
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB2	18	0.22
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB3	18	0.22
(1,557)	1:10:A:LEU:HG	1:28:A:PHE:HD1	9	0.22
(1,557)	1:10:A:LEU:HG	1:28:A:PHE:HD2	9	0.22
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	2	0.22
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	18	0.22
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	4	0.22
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	4	0.22
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	4	0.22
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	3	0.22
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	3	0.22
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	3	0.22
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	13	0.22
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	13	0.22
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	6	0.22
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	10	0.22
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	15	0.22
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	2	0.22
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	2	0.22
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	2	0.22
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	2	0.22
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	9	0.22
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	9	0.22
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	9	0.22
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	9	0.22
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	18	0.22
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	18	0.22
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	18	0.22
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	18	0.22
(1,512)	1:77:A:LYS:HD2	1:78:A:ARG:H	9	0.22
(1,512)	1:77:A:LYS:HD3	1:78:A:ARG:H	9	0.22
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	12	0.22
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	12	0.22
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	12	0.22
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	12	0.22
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	12	0.22
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	12	0.22
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	2	0.22
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	2	0.22
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	1	0.22
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	14	0.22
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	3	0.22
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	3	0.22
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	18	0.22
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	18	0.22
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	19	0.22
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	19	0.22
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	2	0.22
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	3	0.22
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	9	0.22
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	4	0.22
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	20	0.22
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	10	0.22
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	20	0.22
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	20	0.22
(1,468)	1:36:A:ASN:HB2	1:55:A:GLU:HB2	16	0.22
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	4	0.22
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	7	0.22
(1,459)	1:22:A:LYS:HB2	1:23:A:SER:H	20	0.22
(1,459)	1:22:A:LYS:HB3	1:23:A:SER:H	20	0.22
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	18	0.22
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	19	0.22
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	19	0.22
(1,432)	1:38:A:GLU:HB3	1:53:A:PHE:H	16	0.22
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	19	0.22
(1,418)	1:54:A:VAL:HB	1:55:A:GLU:H	6	0.22
(1,418)	1:54:A:VAL:HB	1:55:A:GLU:H	14	0.22
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	14	0.22
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	19	0.22
(1,403)	1:58:A:GLU:HA	1:58:A:GLU:HG2	10	0.22
(1,403)	1:58:A:GLU:HA	1:58:A:GLU:HG2	17	0.22
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	8	0.22
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	8	0.22
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	8	0.22
(1,394)	1:55:A:GLU:H	1:55:A:GLU:HG3	19	0.22
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	10	0.22
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	10	0.22
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	10	0.22
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	10	0.22
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	10	0.22
(1,372)	1:21:A:GLU:HA	1:21:A:GLU:HG2	14	0.22
(1,366)	1:73:A:GLU:HG2	1:74:A:LEU:H	9	0.22
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	7	0.22
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	5	0.22
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	2	0.22
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	3	0.22
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	5	0.22
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	5	0.22
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	5	0.22
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	12	0.22
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	12	0.22
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	12	0.22
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	10	0.22
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	7	0.22
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	7	0.22
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	1	0.22
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	11	0.22
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	17	0.22
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	6	0.22
(1,281)	1:25:A:TYR:HA	1:37:A:ILE:HB	14	0.22
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	15	0.22
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	20	0.22
(1,269)	1:72:A:PHE:HB2	1:73:A:GLU:H	4	0.22
(1,254)	1:41:A:LEU:HD11	1:46:A:LYS:HE2	7	0.22
(1,254)	1:41:A:LEU:HD11	1:46:A:LYS:HE3	7	0.22
(1,254)	1:41:A:LEU:HD12	1:46:A:LYS:HE2	7	0.22
(1,254)	1:41:A:LEU:HD12	1:46:A:LYS:HE3	7	0.22
(1,254)	1:41:A:LEU:HD13	1:46:A:LYS:HE2	7	0.22
(1,254)	1:41:A:LEU:HD13	1:46:A:LYS:HE3	7	0.22
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	17	0.22
(1,247)	1:11:A:PHE:HE1	1:51:A:PHE:HB3	13	0.22
(1,247)	1:11:A:PHE:HE2	1:51:A:PHE:HB3	13	0.22
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	11	0.22
(1,231)	1:4:A:ASN:HD22	1:82:A:ASN:HB2	19	0.22
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG11	12	0.22
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG12	12	0.22
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG13	12	0.22
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG11	12	0.22
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG12	12	0.22
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG13	12	0.22
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG11	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG12	20	0.22
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG13	20	0.22
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG11	20	0.22
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG12	20	0.22
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG13	20	0.22
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	11	0.22
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	18	0.22
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	7	0.22
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	19	0.22
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG2	5	0.22
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG3	5	0.22
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	9	0.22
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	4	0.22
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	4	0.22
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	16	0.22
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	16	0.22
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	16	0.22
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	20	0.22
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	4	0.22
(1,156)	1:9:A:ILE:HG13	1:55:A:GLU:HA	16	0.22
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	11	0.22
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	12	0.22
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	16	0.22
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	20	0.22
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	7	0.22
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	2	0.22
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	2	0.22
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	10	0.22
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	10	0.22
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	9	0.22
(1,141)	1:73:A:GLU:HA	1:74:A:LEU:H	15	0.22
(1,137)	1:73:A:GLU:HB2	1:78:A:ARG:HA	19	0.22
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	3	0.22
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	13	0.22
(1,129)	1:38:A:GLU:H	1:53:A:PHE:HA	1	0.22
(1,129)	1:38:A:GLU:H	1:53:A:PHE:HA	17	0.22
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	15	0.22
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	1	0.22
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	3	0.22
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	9	0.22
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	18	0.22
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	18	0.22
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD2	17	0.22
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD3	17	0.22
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	19	0.22
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	14	0.22
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	1	0.22
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	3	0.22
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	3	0.22
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	3	0.22
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	13	0.22
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	14	0.22
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	19	0.22
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	5	0.22
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	7	0.22
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	16	0.22
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	18	0.22
(1,65)	1:21:A:GLU:HA	1:21:A:GLU:HG3	3	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	7	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	7	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	7	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	7	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	7	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	7	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	10	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	10	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	10	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	10	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	10	0.22
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	10	0.22
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	9	0.22
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	9	0.22
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	9	0.22
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	2	0.22
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	11	0.22
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	13	0.22
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD1	11	0.22
(1,30)	1:25:A:TYR:HA	1:25:A:TYR:HD2	11	0.22
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	7	0.22
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	7	0.22
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	7	0.22
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	1	0.22
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	14	0.22
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	20	0.22
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	1	0.22
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	15	0.22
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	17	0.22
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	8	0.22
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	11	0.22
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	6	0.21
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	6	0.21
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	6	0.21
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	6	0.21
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	6	0.21
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	6	0.21
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	18	0.21
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	18	0.21
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	6	0.21
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	6	0.21
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	6	0.21
(1,1529)	1:19:A:ILE:HD11	1:41:A:LEU:HG	13	0.21
(1,1529)	1:19:A:ILE:HD12	1:41:A:LEU:HG	13	0.21
(1,1529)	1:19:A:ILE:HD13	1:41:A:LEU:HG	13	0.21
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	1	0.21
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	1	0.21
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	1	0.21
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	16	0.21
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	16	0.21
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	16	0.21
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	15	0.21
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	15	0.21
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	15	0.21
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	15	0.21
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	15	0.21
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	15	0.21
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG21	5	0.21
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG22	5	0.21
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG23	5	0.21
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	8	0.21
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	8	0.21
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	8	0.21
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	8	0.21
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	8	0.21
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG21	18	0.21
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG22	18	0.21
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG23	18	0.21
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG21	18	0.21
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG22	18	0.21
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG23	18	0.21
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG21	18	0.21
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG22	18	0.21
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG23	18	0.21
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	20	0.21
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	20	0.21
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	20	0.21
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	20	0.21
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	20	0.21
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	20	0.21
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	20	0.21
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	20	0.21
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	20	0.21
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	19	0.21
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	19	0.21
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	5	0.21
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	19	0.21
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	19	0.21
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	19	0.21
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	19	0.21
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD2	17	0.21
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD3	17	0.21
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD2	17	0.21
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD3	17	0.21
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	19	0.21
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	19	0.21
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	6	0.21
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	6	0.21
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	6	0.21
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	6	0.21
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	6	0.21
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	6	0.21
(1,1422)	1:38:A:GLU:HA	1:40:A:PRO:HD2	6	0.21
(1,1404)	1:11:A:PHE:HD1	1:51:A:PHE:HA	4	0.21
(1,1404)	1:11:A:PHE:HD2	1:51:A:PHE:HA	4	0.21
(1,1397)	1:11:A:PHE:HB2	1:53:A:PHE:HA	13	0.21
(1,1397)	1:11:A:PHE:HB3	1:53:A:PHE:HA	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:11:A:PHE:HB2	1:53:A:PHE:HA	16	0.21
(1,1397)	1:11:A:PHE:HB3	1:53:A:PHE:HA	16	0.21
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	13	0.21
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	20	0.21
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	7	0.21
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	7	0.21
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	7	0.21
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	16	0.21
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	5	0.21
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	6	0.21
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	2	0.21
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	2	0.21
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	2	0.21
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	19	0.21
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	19	0.21
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	19	0.21
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	16	0.21
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	10	0.21
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	14	0.21
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	14	0.21
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	14	0.21
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	2	0.21
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	5	0.21
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	9	0.21
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	11	0.21
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	18	0.21
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	17	0.21
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG12	7	0.21
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG13	7	0.21
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	3	0.21
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	5	0.21
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	5	0.21
(1,1311)	1:12:A:VAL:H	1:13:A:GLY:H	8	0.21
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	15	0.21
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	18	0.21
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	7	0.21
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	7	0.21
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	7	0.21
(1,1305)	1:74:A:LEU:HD21	1:75:A:ASN:HD22	6	0.21
(1,1305)	1:74:A:LEU:HD22	1:75:A:ASN:HD22	6	0.21
(1,1305)	1:74:A:LEU:HD23	1:75:A:ASN:HD22	6	0.21
(1,1305)	1:74:A:LEU:HD21	1:75:A:ASN:HD22	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:74:A:LEU:HD22	1:75:A:ASN:HD22	17	0.21
(1,1305)	1:74:A:LEU:HD23	1:75:A:ASN:HD22	17	0.21
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	1	0.21
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	1	0.21
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	5	0.21
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	4	0.21
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	7	0.21
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	8	0.21
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	6	0.21
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	1	0.21
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	7	0.21
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	12	0.21
(1,1264)	1:8:A:ASP:H	1:56:A:TYR:HB3	2	0.21
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	13	0.21
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	7	0.21
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	3	0.21
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	18	0.21
(1,1227)	1:65:A:ALA:H	1:67:A:TYR:H	1	0.21
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	8	0.21
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	17	0.21
(1,1216)	1:17:A:GLU:HB2	1:48:A:ASN:HD21	3	0.21
(1,1216)	1:17:A:GLU:HB3	1:48:A:ASN:HD21	3	0.21
(1,1214)	1:2:A:SER:H	1:3:A:ASP:H	14	0.21
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	9	0.21
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	19	0.21
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	16	0.21
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	20	0.21
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	2	0.21
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	11	0.21
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	17	0.21
(1,1183)	1:48:A:ASN:H	1:49:A:ARG:HG2	4	0.21
(1,1182)	1:47:A:LYS:HD2	1:48:A:ASN:H	17	0.21
(1,1182)	1:47:A:LYS:HD3	1:48:A:ASN:H	17	0.21
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	6	0.21
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	16	0.21
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	4	0.21
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	12	0.21
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	6	0.21
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	6	0.21
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	6	0.21
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	7	0.21
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	11	0.21
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	1	0.21
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	11	0.21
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	12	0.21
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	20	0.21
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	13	0.21
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	14	0.21
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	10	0.21
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	15	0.21
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	15	0.21
(1,1141)	1:4:A:ASN:H	1:6:A:ALA:H	12	0.21
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	4	0.21
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG21	2	0.21
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG22	2	0.21
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG23	2	0.21
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	2	0.21
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	19	0.21
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	19	0.21
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	19	0.21
(1,1122)	1:59:A:VAL:HA	1:61:A:ASP:H	17	0.21
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	9	0.21
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	13	0.21
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	17	0.21
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	12	0.21
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG12	4	0.21
(1,1107)	1:79:A:ILE:H	1:79:A:ILE:HG13	4	0.21
(1,1085)	1:12:A:VAL:H	1:52:A:ALA:H	15	0.21
(1,1076)	1:11:A:PHE:H	1:82:A:ASN:H	5	0.21
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	10	0.21
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	20	0.21
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	20	0.21
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	20	0.21
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	17	0.21
(1,1057)	1:9:A:ILE:HG21	1:54:A:VAL:H	20	0.21
(1,1057)	1:9:A:ILE:HG22	1:54:A:VAL:H	20	0.21
(1,1057)	1:9:A:ILE:HG23	1:54:A:VAL:H	20	0.21
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	1	0.21
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	14	0.21
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	14	0.21
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	16	0.21
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	16	0.21
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:19:A:ILE:H	1:46:A:LYS:HG3	14	0.21
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	7	0.21
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	15	0.21
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	15	0.21
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	19	0.21
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	16	0.21
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	16	0.21
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	16	0.21
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	10	0.21
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	19	0.21
(1,999)	1:19:A:ILE:HG12	1:20:A:ASP:H	12	0.21
(1,999)	1:19:A:ILE:HG13	1:20:A:ASP:H	12	0.21
(1,999)	1:19:A:ILE:HG12	1:20:A:ASP:H	14	0.21
(1,999)	1:19:A:ILE:HG13	1:20:A:ASP:H	14	0.21
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	6	0.21
(1,983)	1:38:A:GLU:HB3	1:39:A:VAL:H	12	0.21
(1,975)	1:74:A:LEU:H	1:75:A:ASN:H	12	0.21
(1,973)	1:73:A:GLU:HG3	1:75:A:ASN:H	14	0.21
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	10	0.21
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	5	0.21
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	16	0.21
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	16	0.21
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	16	0.21
(1,957)	1:73:A:GLU:HB3	1:74:A:LEU:H	12	0.21
(1,957)	1:73:A:GLU:HB3	1:74:A:LEU:H	20	0.21
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	4	0.21
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	4	0.21
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	13	0.21
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	13	0.21
(1,939)	1:64:A:HIS:HA	1:64:A:HIS:HD2	4	0.21
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	2	0.21
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	2	0.21
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	6	0.21
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	6	0.21
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE1	17	0.21
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE2	17	0.21
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	16	0.21
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	16	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	2	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	2	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	2	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	3	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	3	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	4	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	4	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	4	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	9	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	9	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	9	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	10	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	10	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	10	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	14	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	14	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	14	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	15	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	15	0.21
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	15	0.21
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	19	0.21
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	19	0.21
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	19	0.21
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	1	0.21
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	1	0.21
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	1	0.21
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	1	0.21
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	1	0.21
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	1	0.21
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	4	0.21
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	4	0.21
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	4	0.21
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	11	0.21
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	11	0.21
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	11	0.21
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	1	0.21
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	1	0.21
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	1	0.21
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	14	0.21
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	14	0.21
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	14	0.21
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	1	0.21
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	1	0.21
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	1	0.21
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG21	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG22	12	0.21
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG23	12	0.21
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG21	16	0.21
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG22	16	0.21
(1,851)	1:37:A:ILE:HA	1:37:A:ILE:HG23	16	0.21
(1,850)	1:24:A:LEU:H	1:37:A:ILE:HG21	14	0.21
(1,850)	1:24:A:LEU:H	1:37:A:ILE:HG22	14	0.21
(1,850)	1:24:A:LEU:H	1:37:A:ILE:HG23	14	0.21
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	14	0.21
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	14	0.21
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	14	0.21
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	3	0.21
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	3	0.21
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	3	0.21
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	7	0.21
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	7	0.21
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	7	0.21
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	10	0.21
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	10	0.21
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	10	0.21
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	14	0.21
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	14	0.21
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	14	0.21
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	17	0.21
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	17	0.21
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	17	0.21
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	19	0.21
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	19	0.21
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	19	0.21
(1,821)	1:9:A:ILE:HG21	1:53:A:PHE:HA	13	0.21
(1,821)	1:9:A:ILE:HG22	1:53:A:PHE:HA	13	0.21
(1,821)	1:9:A:ILE:HG23	1:53:A:PHE:HA	13	0.21
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	7	0.21
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	7	0.21
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	7	0.21
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	3	0.21
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	3	0.21
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	3	0.21
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	9	0.21
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	9	0.21
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	9	0.21
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	9	0.21
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	9	0.21
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	9	0.21
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	9	0.21
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	9	0.21
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	8	0.21
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	8	0.21
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	8	0.21
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	16	0.21
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	16	0.21
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	16	0.21
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	10	0.21
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	10	0.21
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	10	0.21
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	10	0.21
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	10	0.21
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	10	0.21
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	8	0.21
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	8	0.21
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	8	0.21
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	8	0.21
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	8	0.21
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	8	0.21
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	8	0.21
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	8	0.21
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	8	0.21
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	9	0.21
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	9	0.21
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	9	0.21
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	9	0.21
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	9	0.21
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	9	0.21
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	9	0.21
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	9	0.21
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	9	0.21
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	9	0.21
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	9	0.21
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	9	0.21
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	9	0.21
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	9	0.21
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	9	0.21
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	9	0.21
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	9	0.21
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	15	0.21
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	15	0.21
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	15	0.21
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG11	15	0.21
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG12	15	0.21
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG13	15	0.21
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	2	0.21
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	2	0.21
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	2	0.21
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	2	0.21
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	2	0.21
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	2	0.21
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	1	0.21
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	1	0.21
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	1	0.21
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	2	0.21
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	2	0.21
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	2	0.21
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	3	0.21
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	3	0.21
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	3	0.21
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	11	0.21
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	11	0.21
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	11	0.21
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	17	0.21
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	17	0.21
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	17	0.21
(1,720)	1:39:A:VAL:HG11	1:52:A:ALA:HA	7	0.21
(1,720)	1:39:A:VAL:HG12	1:52:A:ALA:HA	7	0.21
(1,720)	1:39:A:VAL:HG13	1:52:A:ALA:HA	7	0.21
(1,720)	1:39:A:VAL:HG21	1:52:A:ALA:HA	7	0.21
(1,720)	1:39:A:VAL:HG22	1:52:A:ALA:HA	7	0.21
(1,720)	1:39:A:VAL:HG23	1:52:A:ALA:HA	7	0.21
(1,720)	1:39:A:VAL:HG11	1:52:A:ALA:HA	18	0.21
(1,720)	1:39:A:VAL:HG12	1:52:A:ALA:HA	18	0.21
(1,720)	1:39:A:VAL:HG13	1:52:A:ALA:HA	18	0.21
(1,720)	1:39:A:VAL:HG21	1:52:A:ALA:HA	18	0.21
(1,720)	1:39:A:VAL:HG22	1:52:A:ALA:HA	18	0.21
(1,720)	1:39:A:VAL:HG23	1:52:A:ALA:HA	18	0.21
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	1	0.21
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	1	0.21
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	17	0.21
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	17	0.21
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	17	0.21
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	2	0.21
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	2	0.21
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	2	0.21
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	3	0.21
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	3	0.21
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	3	0.21
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	4	0.21
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	4	0.21
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	4	0.21
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	2	0.21
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	2	0.21
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	2	0.21
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	20	0.21
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	20	0.21
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	20	0.21
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE1	16	0.21
(1,695)	1:7:A:THR:HG21	1:83:A:TYR:HE2	16	0.21
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE1	16	0.21
(1,695)	1:7:A:THR:HG22	1:83:A:TYR:HE2	16	0.21
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE1	16	0.21
(1,695)	1:7:A:THR:HG23	1:83:A:TYR:HE2	16	0.21
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	16	0.21
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	16	0.21
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	16	0.21
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	16	0.21
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	16	0.21
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	16	0.21
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	16	0.21
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	16	0.21
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	16	0.21
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD21	2	0.21
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD22	2	0.21
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD23	2	0.21
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD21	2	0.21
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD22	2	0.21
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD23	2	0.21
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD21	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD22	2	0.21
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD23	2	0.21
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	9	0.21
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	9	0.21
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	9	0.21
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	20	0.21
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	20	0.21
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	20	0.21
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG21	12	0.21
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG22	12	0.21
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG23	12	0.21
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	4	0.21
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	4	0.21
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	4	0.21
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	7	0.21
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	7	0.21
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	7	0.21
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	16	0.21
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	16	0.21
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	16	0.21
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	10	0.21
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	10	0.21
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	10	0.21
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG21	19	0.21
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG22	19	0.21
(1,652)	1:35:A:ARG:H	1:57:A:VAL:HG23	19	0.21
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	15	0.21
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	15	0.21
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	15	0.21
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	10	0.21
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	10	0.21
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	10	0.21
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	10	0.21
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	10	0.21
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	10	0.21
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	10	0.21
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	10	0.21
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	10	0.21
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	17	0.21
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	17	0.21
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	17	0.21
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	17	0.21
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	17	0.21
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG11	6	0.21
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG12	6	0.21
(1,628)	1:66:A:LEU:HA	1:81:A:VAL:HG13	6	0.21
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	13	0.21
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	13	0.21
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	13	0.21
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	15	0.21
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	15	0.21
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	15	0.21
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG11	5	0.21
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG12	5	0.21
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG13	5	0.21
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG11	5	0.21
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG12	5	0.21
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG13	5	0.21
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	14	0.21
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	14	0.21
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	14	0.21
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	17	0.21
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	17	0.21
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	17	0.21
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	8	0.21
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	8	0.21
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	19	0.21
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	19	0.21
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	19	0.21
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	14	0.21
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	14	0.21
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	1	0.21
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	1	0.21
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	1	0.21
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	3	0.21
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	3	0.21
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	3	0.21
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	10	0.21
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	10	0.21
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	10	0.21
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB1	10	0.21
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB2	10	0.21
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB3	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	6	0.21
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	6	0.21
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	6	0.21
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	6	0.21
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	6	0.21
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	6	0.21
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	9	0.21
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	9	0.21
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	9	0.21
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	9	0.21
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	9	0.21
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	9	0.21
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG12	7	0.21
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG13	7	0.21
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	9	0.21
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	9	0.21
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	9	0.21
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	9	0.21
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD21	12	0.21
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD22	12	0.21
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD23	12	0.21
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG2	19	0.21
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG3	19	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	3	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	3	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	3	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	4	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	4	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	4	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	5	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	5	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	5	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	6	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	6	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	6	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	16	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	16	0.21
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	16	0.21
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	9	0.21
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	17	0.21
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	13	0.21
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	13	0.21
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	3	0.21
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	3	0.21
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	3	0.21
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	3	0.21
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	3	0.21
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	3	0.21
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	4	0.21
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	4	0.21
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	4	0.21
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	4	0.21
(1,543)	1:35:A:ARG:HG2	1:36:A:ASN:H	3	0.21
(1,543)	1:35:A:ARG:HG3	1:36:A:ASN:H	3	0.21
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	1	0.21
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	15	0.21
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	6	0.21
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	6	0.21
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	6	0.21
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	6	0.21
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	5	0.21
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	5	0.21
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	5	0.21
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	5	0.21
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	16	0.21
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	16	0.21
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	16	0.21
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	16	0.21
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	3	0.21
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	3	0.21
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	15	0.21
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	15	0.21
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	17	0.21
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	17	0.21
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	3	0.21
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	3	0.21
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	20	0.21
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	20	0.21
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	13	0.21
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	13	0.21
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	10	0.21
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	10	0.21
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	10	0.21
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	10	0.21
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	10	0.21
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB1	14	0.21
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB2	14	0.21
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB3	14	0.21
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG21	2	0.21
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG22	2	0.21
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG23	2	0.21
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	13	0.21
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	13	0.21
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	13	0.21
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	13	0.21
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	13	0.21
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	13	0.21
(1,495)	1:20:A:ASP:HB3	1:21:A:GLU:HB2	7	0.21
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	12	0.21
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	12	0.21
(1,488)	1:0:A:HIS:HB3	1:80:A:HIS:HD2	20	0.21
(1,486)	1:-1:A:SER:HA	1:0:A:HIS:HB2	17	0.21
(1,476)	1:58:A:GLU:HB3	1:61:A:ASP:H	17	0.21
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	5	0.21
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	6	0.21
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	16	0.21
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	16	0.21
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	11	0.21
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	14	0.21
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	17	0.21
(1,459)	1:22:A:LYS:HB2	1:23:A:SER:H	9	0.21
(1,459)	1:22:A:LYS:HB3	1:23:A:SER:H	9	0.21
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	14	0.21
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG21	13	0.21
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG22	13	0.21
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG23	13	0.21
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	7	0.21
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	7	0.21
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	14	0.21
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	14	0.21
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	4	0.21
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	3	0.21
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	3	0.21
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	8	0.21
(1,440)	1:43:A:MET:H	1:43:A:MET:HG2	3	0.21
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	10	0.21
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	10	0.21
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	11	0.21
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	11	0.21
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	15	0.21
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	15	0.21
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	1	0.21
(1,423)	1:10:A:LEU:HB3	1:54:A:VAL:HB	14	0.21
(1,421)	1:54:A:VAL:H	1:54:A:VAL:HB	6	0.21
(1,409)	1:57:A:VAL:HG11	1:58:A:GLU:HG3	4	0.21
(1,409)	1:57:A:VAL:HG12	1:58:A:GLU:HG3	4	0.21
(1,409)	1:57:A:VAL:HG13	1:58:A:GLU:HG3	4	0.21
(1,409)	1:57:A:VAL:HG11	1:58:A:GLU:HG3	17	0.21
(1,409)	1:57:A:VAL:HG12	1:58:A:GLU:HG3	17	0.21
(1,409)	1:57:A:VAL:HG13	1:58:A:GLU:HG3	17	0.21
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	5	0.21
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	5	0.21
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	15	0.21
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	15	0.21
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	16	0.21
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	13	0.21
(1,365)	1:73:A:GLU:HG2	1:76:A:GLY:HA3	8	0.21
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	1	0.21
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	1	0.21
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	7	0.21
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	9	0.21
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	17	0.21
(1,331)	1:27:A:ILE:HB	1:28:A:PHE:H	5	0.21
(1,327)	1:42:A:ASN:HB2	1:47:A:LYS:H	8	0.21
(1,326)	1:42:A:ASN:H	1:42:A:ASN:HB2	18	0.21
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	3	0.21
(1,321)	1:61:A:ASP:H	1:61:A:ASP:HB3	3	0.21
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	7	0.21
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	7	0.21
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	7	0.21
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	18	0.21
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	18	0.21
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	18	0.21
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	19	0.21
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	5	0.21
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	6	0.21
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	6	0.21
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	5	0.21
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	17	0.21
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	18	0.21
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	20	0.21
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	7	0.21
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	6	0.21
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	6	0.21
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	10	0.21
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	10	0.21
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	2	0.21
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	20	0.21
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG11	8	0.21
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG12	8	0.21
(1,280)	1:37:A:ILE:HB	1:54:A:VAL:HG13	8	0.21
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	5	0.21
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	14	0.21
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	16	0.21
(1,277)	1:34:A:ILE:HG21	1:37:A:ILE:HB	12	0.21
(1,277)	1:34:A:ILE:HG22	1:37:A:ILE:HB	12	0.21
(1,277)	1:34:A:ILE:HG23	1:37:A:ILE:HB	12	0.21
(1,269)	1:72:A:PHE:HB2	1:73:A:GLU:H	14	0.21
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD11	4	0.21
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD12	4	0.21
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD13	4	0.21
(1,257)	1:77:A:LYS:H	1:77:A:LYS:HE2	9	0.21
(1,257)	1:77:A:LYS:H	1:77:A:LYS:HE3	9	0.21
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE2	6	0.21
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE3	6	0.21
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	2	0.21
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	11	0.21
(1,243)	1:20:A:ASP:H	1:20:A:ASP:HB3	1	0.21
(1,243)	1:20:A:ASP:H	1:20:A:ASP:HB3	12	0.21
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	6	0.21
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	17	0.21
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD2	15	0.21
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD3	15	0.21
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	2	0.21
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE1	9	0.21
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE2	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	15	0.21
(1,201)	1:32:A:GLY:HA3	1:61:A:ASP:HB3	3	0.21
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	19	0.21
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	10	0.21
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	18	0.21
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	7	0.21
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	7	0.21
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	7	0.21
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	8	0.21
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	11	0.21
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	17	0.21
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	17	0.21
(1,170)	1:10:A:LEU:HA	1:82:A:ASN:H	6	0.21
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	20	0.21
(1,156)	1:9:A:ILE:HG13	1:55:A:GLU:HA	3	0.21
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	10	0.21
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	10	0.21
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	10	0.21
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	2	0.21
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	14	0.21
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	3	0.21
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	13	0.21
(1,147)	1:14:A:GLY:H	1:51:A:PHE:HA	6	0.21
(1,147)	1:14:A:GLY:H	1:51:A:PHE:HA	9	0.21
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	14	0.21
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	14	0.21
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	18	0.21
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	18	0.21
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	2	0.21
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	12	0.21
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	12	0.21
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	12	0.21
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	20	0.21
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD2	17	0.21
(1,116)	1:46:A:LYS:HA	1:46:A:LYS:HD3	17	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	4	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	4	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	4	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	5	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	5	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	5	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	7	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	7	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	12	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	12	0.21
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	12	0.21
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	6	0.21
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	15	0.21
(1,101)	1:17:A:GLU:HA	1:47:A:LYS:HA	11	0.21
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	18	0.21
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	2	0.21
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	12	0.21
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	13	0.21
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	17	0.21
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	19	0.21
(1,92)	1:22:A:LYS:HA	1:25:A:TYR:HB3	2	0.21
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	14	0.21
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	14	0.21
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	14	0.21
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD2	7	0.21
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD3	7	0.21
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	14	0.21
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	4	0.21
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	4	0.21
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	4	0.21
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	8	0.21
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	8	0.21
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	8	0.21
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	16	0.21
(1,65)	1:21:A:GLU:HA	1:21:A:GLU:HG3	4	0.21
(1,65)	1:21:A:GLU:HA	1:21:A:GLU:HG3	20	0.21
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	13	0.21
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	13	0.21
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	13	0.21
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	13	0.21
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	13	0.21
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	13	0.21
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	16	0.21
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	19	0.21
(1,50)	1:23:A:SER:HA	1:26:A:ASP:HB3	6	0.21
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	13	0.21
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	13	0.21
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	6	0.21
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	8	0.21
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	10	0.21
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	6	0.21
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	3	0.21
(1,1547)	1:15:A:ILE:HG21	1:80:A:HIS:H	8	0.2
(1,1547)	1:15:A:ILE:HG22	1:80:A:HIS:H	8	0.2
(1,1547)	1:15:A:ILE:HG23	1:80:A:HIS:H	8	0.2
(1,1547)	1:15:A:ILE:HG21	1:80:A:HIS:H	13	0.2
(1,1547)	1:15:A:ILE:HG22	1:80:A:HIS:H	13	0.2
(1,1547)	1:15:A:ILE:HG23	1:80:A:HIS:H	13	0.2
(1,1547)	1:15:A:ILE:HG21	1:80:A:HIS:H	19	0.2
(1,1547)	1:15:A:ILE:HG22	1:80:A:HIS:H	19	0.2
(1,1547)	1:15:A:ILE:HG23	1:80:A:HIS:H	19	0.2
(1,1531)	1:13:A:GLY:H	1:80:A:HIS:HB2	1	0.2
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	7	0.2
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	7	0.2
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	7	0.2
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD11	5	0.2
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD12	5	0.2
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD13	5	0.2
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD11	7	0.2
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD12	7	0.2
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD13	7	0.2
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	11	0.2
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	11	0.2
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	11	0.2
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	16	0.2
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	16	0.2
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	16	0.2
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	17	0.2
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	17	0.2
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	17	0.2
(1,1511)	1:34:A:ILE:HG21	1:36:A:ASN:HA	1	0.2
(1,1511)	1:34:A:ILE:HG22	1:36:A:ASN:HA	1	0.2
(1,1511)	1:34:A:ILE:HG23	1:36:A:ASN:HA	1	0.2
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	9	0.2
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	9	0.2
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	9	0.2
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	9	0.2
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	9	0.2
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	1	0.2
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	1	0.2
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	1	0.2
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	1	0.2
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	1	0.2
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	1	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	1	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	1	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	1	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	1	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	1	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	1	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	6	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	6	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	6	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	6	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	6	0.2
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	6	0.2
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	8	0.2
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	8	0.2
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	8	0.2
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	8	0.2
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	8	0.2
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	8	0.2
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	12	0.2
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	12	0.2
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	12	0.2
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	12	0.2
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	12	0.2
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	12	0.2
(1,1484)	1:24:A:LEU:HD21	1:27:A:ILE:HB	13	0.2
(1,1484)	1:24:A:LEU:HD22	1:27:A:ILE:HB	13	0.2
(1,1484)	1:24:A:LEU:HD23	1:27:A:ILE:HB	13	0.2
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	20	0.2
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	20	0.2
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	2	0.2
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	11	0.2
(1,1461)	1:21:A:GLU:HB2	1:37:A:ILE:HG21	18	0.2
(1,1461)	1:21:A:GLU:HB2	1:37:A:ILE:HG22	18	0.2
(1,1461)	1:21:A:GLU:HB2	1:37:A:ILE:HG23	18	0.2
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	4	0.2
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	4	0.2
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	16	0.2
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	16	0.2
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	16	0.2
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	19	0.2
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	19	0.2
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD2	19	0.2
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD3	19	0.2
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD2	19	0.2
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD3	19	0.2
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD11	16	0.2
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD12	16	0.2
(1,1442)	1:25:A:TYR:HB3	1:37:A:ILE:HD13	16	0.2
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	18	0.2
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	18	0.2
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE1	11	0.2
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE2	11	0.2
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE2	19	0.2
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE3	19	0.2
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	9	0.2
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	9	0.2
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	9	0.2
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD2	3	0.2
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD3	3	0.2
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD2	18	0.2
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD3	18	0.2
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD2	19	0.2
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD3	19	0.2
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD11	18	0.2
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD12	18	0.2
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD13	18	0.2
(1,1414)	1:58:A:GLU:HA	1:61:A:ASP:HB2	5	0.2
(1,1410)	1:70:A:ASN:HB2	1:80:A:HIS:HA	19	0.2
(1,1410)	1:70:A:ASN:HB3	1:80:A:HIS:HA	19	0.2
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	9	0.2
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	9	0.2
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	18	0.2
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	18	0.2
(1,1391)	1:11:A:PHE:HB2	1:84:A:SER:HA	4	0.2
(1,1391)	1:11:A:PHE:HB3	1:84:A:SER:HA	4	0.2
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	14	0.2
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	18	0.2
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	2	0.2
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	2	0.2
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	2	0.2
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	2	0.2
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	7	0.2
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD21	9	0.2
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD22	9	0.2
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD23	9	0.2
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	6	0.2
(1,1347)	1:76:A:GLY:H	1:77:A:LYS:HB2	17	0.2
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	3	0.2
(1,1345)	1:75:A:ASN:H	1:76:A:GLY:H	11	0.2
(1,1337)	1:14:A:GLY:H	1:52:A:ALA:H	8	0.2
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	8	0.2
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	13	0.2
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	3	0.2
(1,1317)	1:16:A:ASP:HB2	1:18:A:THR:H	6	0.2
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	8	0.2
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	12	0.2
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	13	0.2
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	17	0.2
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	8	0.2
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	3	0.2
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	6	0.2
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	8	0.2
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	13	0.2
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	15	0.2
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	10	0.2
(1,1258)	1:23:A:SER:HB2	1:27:A:ILE:H	2	0.2
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	17	0.2
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	19	0.2
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	4	0.2
(1,1214)	1:2:A:SER:H	1:3:A:ASP:H	10	0.2
(1,1214)	1:2:A:SER:H	1:3:A:ASP:H	19	0.2
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	3	0.2
(1,1202)	1:46:A:LYS:H	1:47:A:LYS:H	8	0.2
(1,1202)	1:46:A:LYS:H	1:47:A:LYS:H	11	0.2
(1,1200)	1:63:A:LYS:HD2	1:64:A:HIS:H	14	0.2
(1,1200)	1:63:A:LYS:HD3	1:64:A:HIS:H	14	0.2
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	1	0.2
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	4	0.2
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	18	0.2
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	10	0.2
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	14	0.2
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	15	0.2
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	5	0.2
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	6	0.2
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	20	0.2
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	8	0.2
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	9	0.2
(1,1150)	1:24:A:LEU:H	1:25:A:TYR:HB2	19	0.2
(1,1147)	1:22:A:LYS:H	1:24:A:LEU:H	9	0.2
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	8	0.2
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	8	0.2
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	17	0.2
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	17	0.2
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	5	0.2
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	11	0.2
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	14	0.2
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	14	0.2
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	14	0.2
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	6	0.2
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	14	0.2
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	16	0.2
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	6	0.2
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	19	0.2
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	3	0.2
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	3	0.2
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	3	0.2
(1,1090)	1:85:A:LYS:HD2	1:86:A:THR:H	15	0.2
(1,1090)	1:85:A:LYS:HD3	1:86:A:THR:H	15	0.2
(1,1085)	1:12:A:VAL:H	1:52:A:ALA:H	18	0.2
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	1	0.2
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	10	0.2
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	16	0.2
(1,1076)	1:11:A:PHE:H	1:82:A:ASN:H	6	0.2
(1,1075)	1:41:A:LEU:HD21	1:42:A:ASN:H	13	0.2
(1,1075)	1:41:A:LEU:HD22	1:42:A:ASN:H	13	0.2
(1,1075)	1:41:A:LEU:HD23	1:42:A:ASN:H	13	0.2
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	11	0.2
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	11	0.2
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	17	0.2
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	13	0.2
(1,1052)	1:56:A:TYR:HB2	1:62:A:ALA:H	13	0.2
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	4	0.2
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	8	0.2
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	1	0.2
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	15	0.2
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	15	0.2
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	15	0.2
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD2	14	0.2
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD3	14	0.2
(1,999)	1:19:A:ILE:HG12	1:20:A:ASP:H	1	0.2
(1,999)	1:19:A:ILE:HG13	1:20:A:ASP:H	1	0.2
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	3	0.2
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	14	0.2
(1,991)	1:73:A:GLU:H	1:73:A:GLU:HG3	19	0.2
(1,973)	1:73:A:GLU:HG3	1:75:A:ASN:H	6	0.2
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	17	0.2
(1,953)	1:35:A:ARG:H	1:57:A:VAL:H	19	0.2
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	5	0.2
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	5	0.2
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	9	0.2
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	9	0.2
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	5	0.2
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	5	0.2
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	17	0.2
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	17	0.2
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	1	0.2
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	1	0.2
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	11	0.2
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	11	0.2
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	15	0.2
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	15	0.2
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE1	6	0.2
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE2	6	0.2
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE1	16	0.2
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE2	16	0.2
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	16	0.2
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	16	0.2
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	7	0.2
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	7	0.2
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	7	0.2
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	7	0.2
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	7	0.2
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	18	0.2
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	18	0.2
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	18	0.2
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD11	14	0.2
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD12	14	0.2
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD13	14	0.2
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD11	14	0.2
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD12	14	0.2
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD13	14	0.2
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD11	14	0.2
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD12	14	0.2
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD13	14	0.2
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	5	0.2
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	5	0.2
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	5	0.2
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD11	12	0.2
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD12	12	0.2
(1,899)	1:34:A:ILE:HB	1:34:A:ILE:HD13	12	0.2
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD11	1	0.2
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD12	1	0.2
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD13	1	0.2
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD11	1	0.2
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD12	1	0.2
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD13	1	0.2
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD11	16	0.2
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD12	16	0.2
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD13	16	0.2
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD11	16	0.2
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD12	16	0.2
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD13	16	0.2
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	10	0.2
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	10	0.2
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	10	0.2
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD11	6	0.2
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD12	6	0.2
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD13	6	0.2
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	2	0.2
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	2	0.2
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	17	0.2
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	17	0.2
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	17	0.2
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	3	0.2
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	3	0.2
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	3	0.2
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	8	0.2
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	8	0.2
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	8	0.2
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD11	14	0.2
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD12	14	0.2
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD13	14	0.2
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	9	0.2
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	9	0.2
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	9	0.2
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	13	0.2
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	13	0.2
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	13	0.2
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	16	0.2
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	16	0.2
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	16	0.2
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	18	0.2
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	18	0.2
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	18	0.2
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	17	0.2
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	17	0.2
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	17	0.2
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	18	0.2
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	18	0.2
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	18	0.2
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	11	0.2
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	11	0.2
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	11	0.2
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	7	0.2
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	7	0.2
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	7	0.2
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	7	0.2
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	7	0.2
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	7	0.2
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	7	0.2
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	7	0.2
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG21	10	0.2
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG22	10	0.2
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG23	10	0.2
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	11	0.2
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	11	0.2
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	11	0.2
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	15	0.2
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	15	0.2
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	15	0.2
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE1	20	0.2
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE2	20	0.2
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE1	20	0.2
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE2	20	0.2
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE1	20	0.2
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE2	20	0.2
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	10	0.2
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	10	0.2
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	10	0.2
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	10	0.2
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	10	0.2
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	10	0.2
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	10	0.2
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	10	0.2
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	10	0.2
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	18	0.2
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	18	0.2
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	18	0.2
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	18	0.2
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	18	0.2
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	18	0.2
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	18	0.2
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	18	0.2
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	18	0.2
(1,749)	1:12:A:VAL:HG21	1:54:A:VAL:H	10	0.2
(1,749)	1:12:A:VAL:HG22	1:54:A:VAL:H	10	0.2
(1,749)	1:12:A:VAL:HG23	1:54:A:VAL:H	10	0.2
(1,749)	1:12:A:VAL:HG21	1:54:A:VAL:H	16	0.2
(1,749)	1:12:A:VAL:HG22	1:54:A:VAL:H	16	0.2
(1,749)	1:12:A:VAL:HG23	1:54:A:VAL:H	16	0.2
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG21	13	0.2
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG22	13	0.2
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG23	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	1	0.2
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	1	0.2
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	1	0.2
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	8	0.2
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	8	0.2
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	8	0.2
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	7	0.2
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	7	0.2
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	7	0.2
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	20	0.2
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	20	0.2
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	20	0.2
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	12	0.2
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	12	0.2
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	12	0.2
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG21	13	0.2
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG22	13	0.2
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG23	13	0.2
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	3	0.2
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	3	0.2
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	3	0.2
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	3	0.2
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	3	0.2
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	3	0.2
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	13	0.2
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	13	0.2
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	13	0.2
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	16	0.2
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	16	0.2
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	16	0.2
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	17	0.2
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	17	0.2
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	17	0.2
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	11	0.2
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	11	0.2
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	11	0.2
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	13	0.2
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	13	0.2
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	13	0.2
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG21	17	0.2
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG22	17	0.2
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG23	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	9	0.2
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	9	0.2
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	9	0.2
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	10	0.2
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	10	0.2
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	10	0.2
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	11	0.2
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	11	0.2
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	11	0.2
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	14	0.2
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	14	0.2
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	14	0.2
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	14	0.2
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	14	0.2
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	14	0.2
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	14	0.2
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	14	0.2
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	14	0.2
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	20	0.2
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	20	0.2
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	20	0.2
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	20	0.2
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	20	0.2
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	20	0.2
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	20	0.2
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	20	0.2
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	20	0.2
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD21	16	0.2
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD22	16	0.2
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD23	16	0.2
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD21	16	0.2
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD22	16	0.2
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD23	16	0.2
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	7	0.2
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	7	0.2
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	7	0.2
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD21	16	0.2
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD22	16	0.2
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD23	16	0.2
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD21	16	0.2
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD22	16	0.2
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD23	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD21	16	0.2
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD22	16	0.2
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD23	16	0.2
(1,674)	1:41:A:LEU:HD21	1:46:A:LYS:HA	13	0.2
(1,674)	1:41:A:LEU:HD22	1:46:A:LYS:HA	13	0.2
(1,674)	1:41:A:LEU:HD23	1:46:A:LYS:HA	13	0.2
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	7	0.2
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	7	0.2
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	7	0.2
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG21	14	0.2
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG22	14	0.2
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG23	14	0.2
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG21	8	0.2
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG22	8	0.2
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG23	8	0.2
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG21	8	0.2
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG22	8	0.2
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG23	8	0.2
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	2	0.2
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	2	0.2
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	2	0.2
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	14	0.2
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	14	0.2
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	14	0.2
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	20	0.2
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	20	0.2
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	20	0.2
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	3	0.2
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	3	0.2
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	3	0.2
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	3	0.2
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	3	0.2
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	3	0.2
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	13	0.2
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	13	0.2
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	13	0.2
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	13	0.2
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	13	0.2
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	13	0.2
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	6	0.2
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	6	0.2
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	6	0.2
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	6	0.2
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	6	0.2
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	10	0.2
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	10	0.2
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	10	0.2
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	10	0.2
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	10	0.2
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	10	0.2
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	13	0.2
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	13	0.2
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	13	0.2
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	2	0.2
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	2	0.2
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	2	0.2
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	10	0.2
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	10	0.2
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	10	0.2
(1,614)	1:66:A:LEU:HD11	1:67:A:TYR:HE1	3	0.2
(1,614)	1:66:A:LEU:HD11	1:67:A:TYR:HE2	3	0.2
(1,614)	1:66:A:LEU:HD12	1:67:A:TYR:HE1	3	0.2
(1,614)	1:66:A:LEU:HD12	1:67:A:TYR:HE2	3	0.2
(1,614)	1:66:A:LEU:HD13	1:67:A:TYR:HE1	3	0.2
(1,614)	1:66:A:LEU:HD13	1:67:A:TYR:HE2	3	0.2
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	14	0.2
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	14	0.2
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	14	0.2
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG2	11	0.2
(1,608)	1:47:A:LYS:HA	1:47:A:LYS:HG3	11	0.2
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	7	0.2
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	7	0.2
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	7	0.2
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	8	0.2
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	8	0.2
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	8	0.2
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	12	0.2
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	12	0.2
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	12	0.2
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	12	0.2
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	12	0.2
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	12	0.2
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	12	0.2
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD21	2	0.2
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD22	2	0.2
(1,577)	1:74:A:LEU:HA	1:74:A:LEU:HD23	2	0.2
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	19	0.2
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	19	0.2
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	19	0.2
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB1	10	0.2
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB2	10	0.2
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB3	10	0.2
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB1	10	0.2
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB2	10	0.2
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB3	10	0.2
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB1	10	0.2
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB2	10	0.2
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB3	10	0.2
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB1	12	0.2
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB2	12	0.2
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB3	12	0.2
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB1	12	0.2
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB2	12	0.2
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB3	12	0.2
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB1	12	0.2
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB2	12	0.2
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB3	12	0.2
(1,557)	1:10:A:LEU:HG	1:28:A:PHE:HD1	14	0.2
(1,557)	1:10:A:LEU:HG	1:28:A:PHE:HD2	14	0.2
(1,557)	1:10:A:LEU:HG	1:28:A:PHE:HD1	16	0.2
(1,557)	1:10:A:LEU:HG	1:28:A:PHE:HD2	16	0.2
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	17	0.2
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	17	0.2
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	17	0.2
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	17	0.2
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	17	0.2
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	17	0.2
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	19	0.2
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	19	0.2
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	19	0.2
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	19	0.2
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	19	0.2
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	19	0.2
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	3	0.2
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	9	0.2
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	9	0.2
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	18	0.2
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	18	0.2
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	10	0.2
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	10	0.2
(1,543)	1:35:A:ARG:HG2	1:36:A:ASN:H	6	0.2
(1,543)	1:35:A:ARG:HG3	1:36:A:ASN:H	6	0.2
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	12	0.2
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	12	0.2
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	13	0.2
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	13	0.2
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	20	0.2
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	20	0.2
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	20	0.2
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	8	0.2
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	8	0.2
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	8	0.2
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	8	0.2
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	10	0.2
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	10	0.2
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	10	0.2
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	10	0.2
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	9	0.2
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	9	0.2
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	7	0.2
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	13	0.2
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	17	0.2
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	15	0.2
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	15	0.2
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	15	0.2
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	15	0.2
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	15	0.2
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	15	0.2
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	4	0.2
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	4	0.2
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	6	0.2
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	6	0.2
(1,479)	1:73:A:GLU:HB2	1:76:A:GLY:H	11	0.2
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	12	0.2
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	1	0.2
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB2	17	0.2
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB3	17	0.2
(1,454)	1:58:A:GLU:HA	1:59:A:VAL:HB	1	0.2
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	14	0.2
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	19	0.2
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG21	1	0.2
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG22	1	0.2
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG23	1	0.2
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	1	0.2
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	12	0.2
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	12	0.2
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	13	0.2
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	13	0.2
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	16	0.2
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	16	0.2
(1,420)	1:10:A:LEU:H	1:54:A:VAL:HB	17	0.2
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE2	19	0.2
(1,415)	1:77:A:LYS:HB2	1:77:A:LYS:HE3	19	0.2
(1,409)	1:57:A:VAL:HG11	1:58:A:GLU:HG3	19	0.2
(1,409)	1:57:A:VAL:HG12	1:58:A:GLU:HG3	19	0.2
(1,409)	1:57:A:VAL:HG13	1:58:A:GLU:HG3	19	0.2
(1,400)	1:47:A:LYS:HB2	1:49:A:ARG:HG2	15	0.2
(1,400)	1:47:A:LYS:HB3	1:49:A:ARG:HG2	15	0.2
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD11	4	0.2
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD12	4	0.2
(1,398)	1:19:A:ILE:HB	1:19:A:ILE:HD13	4	0.2
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	13	0.2
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	5	0.2
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	5	0.2
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	16	0.2
(1,340)	1:83:A:TYR:HB3	1:84:A:SER:H	17	0.2
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	1	0.2
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	2	0.2
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	3	0.2
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	4	0.2
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	10	0.2
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	14	0.2
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	19	0.2
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	11	0.2
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	14	0.2
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	14	0.2
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	16	0.2
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	16	0.2
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	16	0.2
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB1	20	0.2
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB2	20	0.2
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB3	20	0.2
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	5	0.2
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	17	0.2
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	13	0.2
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	13	0.2
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	11	0.2
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	7	0.2
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	12	0.2
(1,243)	1:20:A:ASP:H	1:20:A:ASP:HB3	6	0.2
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	12	0.2
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD2	13	0.2
(1,226)	1:78:A:ARG:HB3	1:78:A:ARG:HD3	13	0.2
(1,221)	1:35:A:ARG:HD2	1:55:A:GLU:HB2	9	0.2
(1,221)	1:35:A:ARG:HD3	1:55:A:GLU:HB2	9	0.2
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	6	0.2
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	14	0.2
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	10	0.2
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	12	0.2
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	3	0.2
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	3	0.2
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	15	0.2
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	15	0.2
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	10	0.2
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	1	0.2
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	7	0.2
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	15	0.2
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE1	16	0.2
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE2	16	0.2
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	18	0.2
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	18	0.2
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	6	0.2
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	17	0.2
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	19	0.2
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	1	0.2
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	19	0.2
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	8	0.2
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	8	0.2
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	8	0.2
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	18	0.2
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	18	0.2
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	18	0.2
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	3	0.2
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	9	0.2
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	6	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	4	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	4	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	5	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	5	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	6	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	6	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	12	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	12	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	13	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	13	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	19	0.2
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	19	0.2
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	5	0.2
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	11	0.2
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	11	0.2
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	17	0.2
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	4	0.2
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	5	0.2
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	16	0.2
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	2	0.2
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	2	0.2
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	2	0.2
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE1	9	0.2
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE2	9	0.2
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD2	7	0.2
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD3	7	0.2
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD2	16	0.2
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD3	16	0.2
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	18	0.2
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	18	0.2
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	3	0.2
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	10	0.2
(1,92)	1:22:A:LYS:HA	1:25:A:TYR:HB3	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	2	0.2
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	5	0.2
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	6	0.2
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	12	0.2
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	2	0.2
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	2	0.2
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	2	0.2
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	11	0.2
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	11	0.2
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	11	0.2
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	17	0.2
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	17	0.2
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	17	0.2
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	3	0.2
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	15	0.2
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	19	0.2
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	14	0.2
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	14	0.2
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	14	0.2
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	14	0.2
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	14	0.2
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	14	0.2
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG21	4	0.2
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG22	4	0.2
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG23	4	0.2
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	15	0.2
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	15	0.2
(1,57)	1:29:A:SER:HA	1:32:A:GLY:H	15	0.2
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	10	0.2
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	10	0.2
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	10	0.2
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	8	0.2
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	16	0.2
(1,39)	1:22:A:LYS:HB2	1:23:A:SER:HB3	6	0.2
(1,39)	1:22:A:LYS:HB3	1:23:A:SER:HB3	6	0.2
(1,35)	1:22:A:LYS:HD2	1:23:A:SER:HB3	18	0.2
(1,35)	1:22:A:LYS:HD3	1:23:A:SER:HB3	18	0.2
(1,33)	1:23:A:SER:H	1:23:A:SER:HB2	8	0.2
(1,33)	1:23:A:SER:H	1:23:A:SER:HB2	14	0.2
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	10	0.2
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	10	0.2
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	15	0.2
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	15	0.2
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	15	0.2
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	16	0.2
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	16	0.2
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	16	0.2
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	2	0.2
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	3	0.2
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	20	0.2
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	20	0.2
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	2	0.2
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	4	0.2
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	6	0.2
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	6	0.2
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	6	0.19
(1,1529)	1:19:A:ILE:HD11	1:41:A:LEU:HG	7	0.19
(1,1529)	1:19:A:ILE:HD12	1:41:A:LEU:HG	7	0.19
(1,1529)	1:19:A:ILE:HD13	1:41:A:LEU:HG	7	0.19
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	6	0.19
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	6	0.19
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	6	0.19
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD11	16	0.19
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD12	16	0.19
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD13	16	0.19
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	8	0.19
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	8	0.19
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	8	0.19
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	8	0.19
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	8	0.19
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	8	0.19
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	18	0.19
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	18	0.19
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	18	0.19
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	18	0.19
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	18	0.19
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	18	0.19
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG21	14	0.19
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG22	14	0.19
(1,1504)	1:16:A:ASP:HB3	1:19:A:ILE:HG23	14	0.19
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	9	0.19
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	9	0.19
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	20	0.19
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	20	0.19
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	20	0.19
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	5	0.19
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	5	0.19
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	5	0.19
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	5	0.19
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	5	0.19
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	5	0.19
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	2	0.19
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	2	0.19
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	2	0.19
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	2	0.19
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	2	0.19
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	2	0.19
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	17	0.19
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	17	0.19
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	17	0.19
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	17	0.19
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	17	0.19
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	17	0.19
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD11	14	0.19
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD12	14	0.19
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD13	14	0.19
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD11	14	0.19
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD12	14	0.19
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD13	14	0.19
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD11	14	0.19
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD12	14	0.19
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD13	14	0.19
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	4	0.19
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	4	0.19
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	4	0.19
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	9	0.19
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	9	0.19
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	9	0.19
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	9	0.19
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	9	0.19
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	9	0.19
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	9	0.19
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	9	0.19
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG12	17	0.19
(1,1469)	1:16:A:ASP:HB2	1:19:A:ILE:HG13	17	0.19
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD11	13	0.19
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD12	13	0.19
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD13	13	0.19
(1,1463)	1:24:A:LEU:HA	1:27:A:ILE:HG12	8	0.19
(1,1463)	1:24:A:LEU:HA	1:27:A:ILE:HG13	8	0.19
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	9	0.19
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	14	0.19
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	10	0.19
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	10	0.19
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	10	0.19
(1,1448)	1:17:A:GLU:HG3	1:18:A:THR:HB	14	0.19
(1,1447)	1:9:A:ILE:HA	1:55:A:GLU:HG2	6	0.19
(1,1446)	1:17:A:GLU:HG2	1:18:A:THR:HG21	9	0.19
(1,1446)	1:17:A:GLU:HG2	1:18:A:THR:HG22	9	0.19
(1,1446)	1:17:A:GLU:HG2	1:18:A:THR:HG23	9	0.19
(1,1444)	1:41:A:LEU:HD21	1:48:A:ASN:HB2	11	0.19
(1,1444)	1:41:A:LEU:HD22	1:48:A:ASN:HB2	11	0.19
(1,1444)	1:41:A:LEU:HD23	1:48:A:ASN:HB2	11	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	7	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	7	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	7	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	7	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	7	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	7	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	10	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	10	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	10	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	10	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	10	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	10	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	15	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	15	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	15	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	15	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	15	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	15	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	17	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	17	0.19
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	17	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	17	0.19
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	17	0.19
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD11	9	0.19
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD12	9	0.19
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD13	9	0.19
(1,1423)	1:40:A:PRO:HD3	1:52:A:ALA:HA	16	0.19
(1,1412)	1:79:A:ILE:HD11	1:80:A:HIS:HA	19	0.19
(1,1412)	1:79:A:ILE:HD12	1:80:A:HIS:HA	19	0.19
(1,1412)	1:79:A:ILE:HD13	1:80:A:HIS:HA	19	0.19
(1,1397)	1:11:A:PHE:HB2	1:53:A:PHE:HA	7	0.19
(1,1397)	1:11:A:PHE:HB3	1:53:A:PHE:HA	7	0.19
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD1	7	0.19
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD2	7	0.19
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD1	10	0.19
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD2	10	0.19
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	3	0.19
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	11	0.19
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	11	0.19
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	4	0.19
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	9	0.19
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	9	0.19
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	9	0.19
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	15	0.19
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	20	0.19
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	6	0.19
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	19	0.19
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	11	0.19
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	16	0.19
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	12	0.19
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	12	0.19
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	12	0.19
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	17	0.19
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	17	0.19
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	17	0.19
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG21	19	0.19
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG22	19	0.19
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG23	19	0.19
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	10	0.19
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	10	0.19
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	13	0.19
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	13	0.19
(1,1300)	1:4:A:ASN:HD21	1:82:A:ASN:HA	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:68:A:ASN:HD22	1:69:A:MET:HA	19	0.19
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	4	0.19
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB1	13	0.19
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB2	13	0.19
(1,1282)	1:51:A:PHE:H	1:52:A:ALA:HB3	13	0.19
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	4	0.19
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	20	0.19
(1,1276)	1:36:A:ASN:H	1:55:A:GLU:H	1	0.19
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	4	0.19
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	20	0.19
(1,1264)	1:8:A:ASP:H	1:56:A:TYR:HB3	5	0.19
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	1	0.19
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	19	0.19
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	20	0.19
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	10	0.19
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	7	0.19
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	4	0.19
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	15	0.19
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	15	0.19
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	15	0.19
(1,1211)	1:41:A:LEU:HD11	1:49:A:ARG:H	11	0.19
(1,1211)	1:41:A:LEU:HD12	1:49:A:ARG:H	11	0.19
(1,1211)	1:41:A:LEU:HD13	1:49:A:ARG:H	11	0.19
(1,1183)	1:48:A:ASN:H	1:49:A:ARG:HG2	14	0.19
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	2	0.19
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	15	0.19
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	15	0.19
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	8	0.19
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	16	0.19
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	16	0.19
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	10	0.19
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	15	0.19
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	4	0.19
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	12	0.19
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	9	0.19
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	10	0.19
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	6	0.19
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	6	0.19
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	16	0.19
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	16	0.19
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	5	0.19
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	4	0.19
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	13	0.19
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	16	0.19
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	16	0.19
(1,1089)	1:85:A:LYS:HB3	1:86:A:THR:H	10	0.19
(1,1085)	1:12:A:VAL:H	1:52:A:ALA:H	10	0.19
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	14	0.19
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	17	0.19
(1,1076)	1:11:A:PHE:H	1:82:A:ASN:H	19	0.19
(1,1075)	1:41:A:LEU:HD21	1:42:A:ASN:H	14	0.19
(1,1075)	1:41:A:LEU:HD22	1:42:A:ASN:H	14	0.19
(1,1075)	1:41:A:LEU:HD23	1:42:A:ASN:H	14	0.19
(1,1072)	1:69:A:MET:HB2	1:71:A:ASN:H	5	0.19
(1,1072)	1:69:A:MET:HB3	1:71:A:ASN:H	5	0.19
(1,1072)	1:69:A:MET:HB2	1:71:A:ASN:H	13	0.19
(1,1072)	1:69:A:MET:HB3	1:71:A:ASN:H	13	0.19
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	15	0.19
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	15	0.19
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	15	0.19
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	6	0.19
(1,1060)	1:12:A:VAL:H	1:54:A:VAL:H	14	0.19
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	2	0.19
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	3	0.19
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	2	0.19
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	2	0.19
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	14	0.19
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	19	0.19
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	3	0.19
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	4	0.19
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	12	0.19
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	2	0.19
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	2	0.19
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	2	0.19
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	5	0.19
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	5	0.19
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	5	0.19
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	11	0.19
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	11	0.19
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	11	0.19
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	4	0.19
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	18	0.19
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	18	0.19
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	19	0.19
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	19	0.19
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	19	0.19
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	1	0.19
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	6	0.19
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	17	0.19
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	17	0.19
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	12	0.19
(1,991)	1:73:A:GLU:H	1:73:A:GLU:HG3	8	0.19
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	11	0.19
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	11	0.19
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	12	0.19
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	10	0.19
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	7	0.19
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	6	0.19
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	6	0.19
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	6	0.19
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	9	0.19
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	9	0.19
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	9	0.19
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	1	0.19
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	1	0.19
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	15	0.19
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	15	0.19
(1,938)	1:80:A:HIS:H	1:80:A:HIS:HD2	3	0.19
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	3	0.19
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	3	0.19
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	9	0.19
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	9	0.19
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	16	0.19
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	16	0.19
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE1	5	0.19
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE2	5	0.19
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	5	0.19
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	5	0.19
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD1	8	0.19
(1,916)	1:67:A:TYR:HA	1:67:A:TYR:HD2	8	0.19
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD1	20	0.19
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD2	20	0.19
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	1	0.19
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	1	0.19
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	1	0.19
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	1	0.19
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	1	0.19
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	3	0.19
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	3	0.19
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	3	0.19
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	3	0.19
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	3	0.19
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	3	0.19
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	13	0.19
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	13	0.19
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	13	0.19
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	3	0.19
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	3	0.19
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	3	0.19
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	6	0.19
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	6	0.19
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	6	0.19
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	15	0.19
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	15	0.19
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	15	0.19
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	3	0.19
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	3	0.19
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	3	0.19
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	3	0.19
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	3	0.19
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	3	0.19
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	7	0.19
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	7	0.19
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	7	0.19
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	7	0.19
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	7	0.19
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	7	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	1	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	1	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	1	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	3	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	3	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	3	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	8	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	8	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	13	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	13	0.19
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	13	0.19
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	1	0.19
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	1	0.19
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	1	0.19
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	7	0.19
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	7	0.19
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	7	0.19
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	8	0.19
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	8	0.19
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	8	0.19
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	16	0.19
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	16	0.19
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	16	0.19
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	15	0.19
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	15	0.19
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	15	0.19
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	20	0.19
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	20	0.19
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	20	0.19
(1,875)	1:15:A:ILE:HD11	1:48:A:ASN:HB3	9	0.19
(1,875)	1:15:A:ILE:HD12	1:48:A:ASN:HB3	9	0.19
(1,875)	1:15:A:ILE:HD13	1:48:A:ASN:HB3	9	0.19
(1,875)	1:15:A:ILE:HD11	1:48:A:ASN:HB3	17	0.19
(1,875)	1:15:A:ILE:HD12	1:48:A:ASN:HB3	17	0.19
(1,875)	1:15:A:ILE:HD13	1:48:A:ASN:HB3	17	0.19
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	2	0.19
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	2	0.19
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	2	0.19
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD11	20	0.19
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD12	20	0.19
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD13	20	0.19
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	17	0.19
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	17	0.19
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	17	0.19
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	17	0.19
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	17	0.19
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	17	0.19
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	17	0.19
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	17	0.19
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG21	3	0.19
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG22	3	0.19
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG23	3	0.19
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG21	13	0.19
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG22	13	0.19
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG23	13	0.19
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG21	17	0.19
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG22	17	0.19
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG23	17	0.19
(1,846)	1:27:A:ILE:HG21	1:28:A:PHE:HB3	8	0.19
(1,846)	1:27:A:ILE:HG22	1:28:A:PHE:HB3	8	0.19
(1,846)	1:27:A:ILE:HG23	1:28:A:PHE:HB3	8	0.19
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	9	0.19
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	9	0.19
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	9	0.19
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	20	0.19
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	20	0.19
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	20	0.19
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	5	0.19
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	5	0.19
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	5	0.19
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	18	0.19
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	18	0.19
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	18	0.19
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD1	5	0.19
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD2	5	0.19
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD1	5	0.19
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD2	5	0.19
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD1	5	0.19
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD2	5	0.19
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD1	18	0.19
(1,815)	1:9:A:ILE:HG21	1:53:A:PHE:HD2	18	0.19
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD1	18	0.19
(1,815)	1:9:A:ILE:HG22	1:53:A:PHE:HD2	18	0.19
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD1	18	0.19
(1,815)	1:9:A:ILE:HG23	1:53:A:PHE:HD2	18	0.19
(1,804)	1:15:A:ILE:HG21	1:16:A:ASP:H	17	0.19
(1,804)	1:15:A:ILE:HG22	1:16:A:ASP:H	17	0.19
(1,804)	1:15:A:ILE:HG23	1:16:A:ASP:H	17	0.19
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	20	0.19
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	20	0.19
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB1	19	0.19
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB2	19	0.19
(1,796)	1:59:A:VAL:HA	1:62:A:ALA:HB3	19	0.19
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	5	0.19
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	5	0.19
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	5	0.19
(1,791)	1:56:A:TYR:H	1:62:A:ALA:HB1	6	0.19
(1,791)	1:56:A:TYR:H	1:62:A:ALA:HB2	6	0.19
(1,791)	1:56:A:TYR:H	1:62:A:ALA:HB3	6	0.19
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	14	0.19
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	14	0.19
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	14	0.19
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	14	0.19
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	14	0.19
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	14	0.19
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	14	0.19
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	14	0.19
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	14	0.19
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	14	0.19
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	14	0.19
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	14	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	2	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	2	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	2	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	4	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	4	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	4	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	7	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	7	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	7	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	16	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	16	0.19
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	16	0.19
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	7	0.19
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	7	0.19
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	7	0.19
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	13	0.19
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	13	0.19
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	13	0.19
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	13	0.19
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	13	0.19
(1,756)	1:6:A:ALA:HB1	1:9:A:ILE:HB	6	0.19
(1,756)	1:6:A:ALA:HB2	1:9:A:ILE:HB	6	0.19
(1,756)	1:6:A:ALA:HB3	1:9:A:ILE:HB	6	0.19
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE1	2	0.19
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE2	2	0.19
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE1	2	0.19
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE2	2	0.19
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE1	2	0.19
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE2	2	0.19
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG21	14	0.19
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG22	14	0.19
(1,746)	1:11:A:PHE:HA	1:12:A:VAL:HG23	14	0.19
(1,745)	1:12:A:VAL:HG21	1:81:A:VAL:HA	5	0.19
(1,745)	1:12:A:VAL:HG22	1:81:A:VAL:HA	5	0.19
(1,745)	1:12:A:VAL:HG23	1:81:A:VAL:HA	5	0.19
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	16	0.19
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	16	0.19
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	16	0.19
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	1	0.19
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	1	0.19
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	1	0.19
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	1	0.19
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	1	0.19
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	1	0.19
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	10	0.19
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	10	0.19
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	10	0.19
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	10	0.19
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	10	0.19
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	10	0.19
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	10	0.19
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	10	0.19
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	10	0.19
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	19	0.19
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	19	0.19
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	19	0.19
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG21	14	0.19
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG22	14	0.19
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG23	14	0.19
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG21	10	0.19
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG22	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:59:A:VAL:HA	1:59:A:VAL:HG23	10	0.19
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	8	0.19
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	8	0.19
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	8	0.19
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	8	0.19
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	8	0.19
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	8	0.19
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	8	0.19
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	8	0.19
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	8	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	7	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	7	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	7	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	13	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	13	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	13	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	15	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	15	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	15	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	16	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	16	0.19
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	16	0.19
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	8	0.19
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	8	0.19
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	8	0.19
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG21	14	0.19
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG22	14	0.19
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG23	14	0.19
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	10	0.19
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	10	0.19
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	10	0.19
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG21	15	0.19
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG22	15	0.19
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG23	15	0.19
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG21	20	0.19
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG22	20	0.19
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG23	20	0.19
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	15	0.19
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	15	0.19
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	15	0.19
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	15	0.19
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	15	0.19
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	15	0.19
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	15	0.19
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	15	0.19
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	1	0.19
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	1	0.19
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	1	0.19
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD21	7	0.19
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD22	7	0.19
(1,672)	1:41:A:LEU:H	1:41:A:LEU:HD23	7	0.19
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	9	0.19
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	9	0.19
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	9	0.19
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG21	11	0.19
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG22	11	0.19
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG23	11	0.19
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	4	0.19
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	4	0.19
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	4	0.19
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	14	0.19
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	14	0.19
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	14	0.19
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	6	0.19
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	6	0.19
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	6	0.19
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	6	0.19
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	6	0.19
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	6	0.19
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	16	0.19
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	16	0.19
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	16	0.19
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	16	0.19
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	16	0.19
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	16	0.19
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	15	0.19
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	15	0.19
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	15	0.19
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	15	0.19
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	15	0.19
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	15	0.19
(1,636)	1:10:A:LEU:HD21	1:84:A:SER:H	13	0.19
(1,636)	1:10:A:LEU:HD22	1:84:A:SER:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,636)	1:10:A:LEU:HD23	1:84:A:SER:H	13	0.19
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	17	0.19
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	17	0.19
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	17	0.19
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG2	9	0.19
(1,621)	1:77:A:LYS:HA	1:77:A:LYS:HG3	9	0.19
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	16	0.19
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	16	0.19
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	16	0.19
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB1	3	0.19
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB2	3	0.19
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB3	3	0.19
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB1	12	0.19
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB2	12	0.19
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB3	12	0.19
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	6	0.19
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	6	0.19
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	6	0.19
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	9	0.19
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	9	0.19
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	9	0.19
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	15	0.19
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	15	0.19
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	15	0.19
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	15	0.19
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	15	0.19
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	15	0.19
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	15	0.19
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	15	0.19
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	15	0.19
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	15	0.19
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	15	0.19
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	15	0.19
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	15	0.19
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	5	0.19
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	5	0.19
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	5	0.19
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	17	0.19
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	17	0.19
(1,543)	1:35:A:ARG:HG2	1:36:A:ASN:H	1	0.19
(1,543)	1:35:A:ARG:HG3	1:36:A:ASN:H	1	0.19
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,532)	1:34:A:ILE:HG12	1:56:A:TYR:HE1	15	0.19
(1,532)	1:34:A:ILE:HG12	1:56:A:TYR:HE2	15	0.19
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	7	0.19
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	17	0.19
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	6	0.19
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	6	0.19
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	6	0.19
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	6	0.19
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	14	0.19
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	14	0.19
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	14	0.19
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	14	0.19
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	19	0.19
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	19	0.19
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	19	0.19
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	19	0.19
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	19	0.19
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	19	0.19
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	11	0.19
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	11	0.19
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	11	0.19
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	20	0.19
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	8	0.19
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	8	0.19
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	8	0.19
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	8	0.19
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	8	0.19
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	8	0.19
(1,487)	1:0:A:HIS:HB2	1:80:A:HIS:HD2	5	0.19
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	4	0.19
(1,484)	1:78:A:ARG:H	1:78:A:ARG:HB3	6	0.19
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	3	0.19
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	3	0.19
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	4	0.19
(1,468)	1:36:A:ASN:HB2	1:55:A:GLU:HB2	9	0.19
(1,461)	1:36:A:ASN:H	1:55:A:GLU:HB3	3	0.19
(1,459)	1:22:A:LYS:HB2	1:23:A:SER:H	7	0.19
(1,459)	1:22:A:LYS:HB3	1:23:A:SER:H	7	0.19
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG21	5	0.19
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG22	5	0.19
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG23	5	0.19
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	3	0.19
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	4	0.19
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	4	0.19
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	6	0.19
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	6	0.19
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	5	0.19
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	5	0.19
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	18	0.19
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	18	0.19
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	11	0.19
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	15	0.19
(1,394)	1:55:A:GLU:H	1:55:A:GLU:HG3	6	0.19
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	17	0.19
(1,392)	1:10:A:LEU:H	1:55:A:GLU:HG2	20	0.19
(1,389)	1:38:A:GLU:HA	1:38:A:GLU:HG3	2	0.19
(1,383)	1:17:A:GLU:HG2	1:18:A:THR:H	19	0.19
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	17	0.19
(1,325)	1:79:A:ILE:HB	1:80:A:HIS:H	4	0.19
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	6	0.19
(1,315)	1:25:A:TYR:HE1	1:34:A:ILE:HB	7	0.19
(1,315)	1:25:A:TYR:HE2	1:34:A:ILE:HB	7	0.19
(1,315)	1:25:A:TYR:HE1	1:34:A:ILE:HB	9	0.19
(1,315)	1:25:A:TYR:HE2	1:34:A:ILE:HB	9	0.19
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	2	0.19
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	10	0.19
(1,303)	1:26:A:ASP:H	1:26:A:ASP:HB3	20	0.19
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	3	0.19
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	7	0.19
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	5	0.19
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	8	0.19
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	12	0.19
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	14	0.19
(1,282)	1:69:A:MET:HB2	1:72:A:PHE:HB3	3	0.19
(1,282)	1:69:A:MET:HB3	1:72:A:PHE:HB3	3	0.19
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	11	0.19
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	12	0.19
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	10	0.19
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	7	0.19
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	11	0.19
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	13	0.19
(1,258)	1:21:A:GLU:HB3	1:22:A:LYS:HE2	18	0.19
(1,258)	1:21:A:GLU:HB3	1:22:A:LYS:HE3	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE2	16	0.19
(1,255)	1:46:A:LYS:HB3	1:46:A:LYS:HE3	16	0.19
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	10	0.19
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	7	0.19
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	9	0.19
(1,243)	1:20:A:ASP:H	1:20:A:ASP:HB3	5	0.19
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	10	0.19
(1,225)	1:20:A:ASP:HB2	1:22:A:LYS:H	15	0.19
(1,224)	1:35:A:ARG:HD2	1:36:A:ASN:H	17	0.19
(1,224)	1:35:A:ARG:HD3	1:36:A:ASN:H	17	0.19
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	19	0.19
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	19	0.19
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	19	0.19
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	19	0.19
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	7	0.19
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	17	0.19
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	10	0.19
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	10	0.19
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	14	0.19
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	14	0.19
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	19	0.19
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	19	0.19
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG2	13	0.19
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG3	13	0.19
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	6	0.19
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	2	0.19
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	14	0.19
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	18	0.19
(1,164)	1:16:A:ASP:HA	1:17:A:GLU:H	19	0.19
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	8	0.19
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	7	0.19
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	10	0.19
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	2	0.19
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	2	0.19
(1,147)	1:14:A:GLY:H	1:51:A:PHE:HA	11	0.19
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	7	0.19
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	7	0.19
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	9	0.19
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	9	0.19
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	15	0.19
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	15	0.19
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	20	0.19
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	19	0.19
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	19	0.19
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	19	0.19
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	9	0.19
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	9	0.19
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	9	0.19
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	11	0.19
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	11	0.19
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	11	0.19
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	16	0.19
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	16	0.19
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	16	0.19
(1,103)	1:25:A:TYR:HD1	1:26:A:ASP:HA	19	0.19
(1,103)	1:25:A:TYR:HD2	1:26:A:ASP:HA	19	0.19
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	6	0.19
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	5	0.19
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	12	0.19
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	20	0.19
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	3	0.19
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	9	0.19
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	20	0.19
(1,92)	1:22:A:LYS:HA	1:25:A:TYR:HB3	1	0.19
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	15	0.19
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	15	0.19
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	15	0.19
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	16	0.19
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	7	0.19
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	7	0.19
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	7	0.19
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	13	0.19
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	13	0.19
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	13	0.19
(1,66)	1:12:A:VAL:HA	1:13:A:GLY:H	10	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	5	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	5	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	5	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	5	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	5	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	5	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	6	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	6	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	6	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	6	0.19
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	6	0.19
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	1	0.19
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	6	0.19
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG21	1	0.19
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG22	1	0.19
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG23	1	0.19
(1,36)	1:23:A:SER:H	1:23:A:SER:HB3	11	0.19
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	15	0.19
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	15	0.19
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	11	0.19
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	11	0.19
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	11	0.19
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB2	9	0.19
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB3	9	0.19
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	14	0.19
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	18	0.19
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	18	0.19
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	7	0.19
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	7	0.19
(1,11)	1:42:A:ASN:HD21	1:44:A:THR:HB	15	0.19
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	14	0.19
(1,10)	1:44:A:THR:HB	1:45:A:THR:H	16	0.19
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	11	0.18
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	11	0.18
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	11	0.18
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG21	19	0.18
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG22	19	0.18
(1,1538)	1:14:A:GLY:HA2	1:79:A:ILE:HG23	19	0.18
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	14	0.18
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	14	0.18
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	14	0.18
(1,1529)	1:19:A:ILE:HD11	1:41:A:LEU:HG	8	0.18
(1,1529)	1:19:A:ILE:HD12	1:41:A:LEU:HG	8	0.18
(1,1529)	1:19:A:ILE:HD13	1:41:A:LEU:HG	8	0.18
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	8	0.18
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	8	0.18
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	8	0.18
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	2	0.18
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	2	0.18
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	7	0.18
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	7	0.18
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	7	0.18
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	2	0.18
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	2	0.18
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	2	0.18
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB1	6	0.18
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB2	6	0.18
(1,1508)	1:56:A:TYR:HE1	1:62:A:ALA:HB3	6	0.18
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB1	6	0.18
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB2	6	0.18
(1,1508)	1:56:A:TYR:HE2	1:62:A:ALA:HB3	6	0.18
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	16	0.18
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	16	0.18
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	16	0.18
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	16	0.18
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	16	0.18
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	16	0.18
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	11	0.18
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	11	0.18
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	11	0.18
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	1	0.18
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	1	0.18
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	1	0.18
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	1	0.18
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	1	0.18
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	1	0.18
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB2	13	0.18
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB3	13	0.18
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB2	13	0.18
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB3	13	0.18
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB2	13	0.18
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB3	13	0.18
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	7	0.18
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	7	0.18
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	7	0.18
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	7	0.18
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	7	0.18
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	7	0.18
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG21	14	0.18
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG22	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG23	14	0.18
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG21	14	0.18
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG22	14	0.18
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG23	14	0.18
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG21	14	0.18
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG22	14	0.18
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG23	14	0.18
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	5	0.18
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	5	0.18
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	5	0.18
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	9	0.18
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	9	0.18
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	9	0.18
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	14	0.18
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	14	0.18
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	14	0.18
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	15	0.18
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	15	0.18
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD11	7	0.18
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD12	7	0.18
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD13	7	0.18
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	4	0.18
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	20	0.18
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	7	0.18
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	7	0.18
(1,1450)	1:9:A:ILE:HA	1:55:A:GLU:HG3	2	0.18
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	2	0.18
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	2	0.18
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE1	13	0.18
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE2	13	0.18
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE1	16	0.18
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE2	16	0.18
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	2	0.18
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	2	0.18
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	2	0.18
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	2	0.18
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	2	0.18
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	2	0.18
(1,1431)	1:50:A:GLY:HA3	1:51:A:PHE:HB2	4	0.18
(1,1431)	1:50:A:GLY:HA3	1:51:A:PHE:HB2	17	0.18
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE2	13	0.18
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE3	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:79:A:ILE:HD11	1:80:A:HIS:HA	16	0.18
(1,1412)	1:79:A:ILE:HD12	1:80:A:HIS:HA	16	0.18
(1,1412)	1:79:A:ILE:HD13	1:80:A:HIS:HA	16	0.18
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	1	0.18
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	1	0.18
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	8	0.18
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	8	0.18
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	19	0.18
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	19	0.18
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	7	0.18
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	7	0.18
(1,1397)	1:11:A:PHE:HB2	1:53:A:PHE:HA	4	0.18
(1,1397)	1:11:A:PHE:HB3	1:53:A:PHE:HA	4	0.18
(1,1395)	1:41:A:LEU:HB3	1:46:A:LYS:HA	9	0.18
(1,1393)	1:35:A:ARG:HA	1:57:A:VAL:HG21	7	0.18
(1,1393)	1:35:A:ARG:HA	1:57:A:VAL:HG22	7	0.18
(1,1393)	1:35:A:ARG:HA	1:57:A:VAL:HG23	7	0.18
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	16	0.18
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	16	0.18
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	16	0.18
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	19	0.18
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	19	0.18
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	19	0.18
(1,1379)	1:34:A:ILE:HA	1:56:A:TYR:HA	12	0.18
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG21	12	0.18
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG22	12	0.18
(1,1374)	1:12:A:VAL:HA	1:81:A:VAL:HG23	12	0.18
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD11	11	0.18
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD12	11	0.18
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD13	11	0.18
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	1	0.18
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	17	0.18
(1,1364)	1:37:A:ILE:HD11	1:54:A:VAL:HA	4	0.18
(1,1364)	1:37:A:ILE:HD12	1:54:A:VAL:HA	4	0.18
(1,1364)	1:37:A:ILE:HD13	1:54:A:VAL:HA	4	0.18
(1,1364)	1:37:A:ILE:HD11	1:54:A:VAL:HA	9	0.18
(1,1364)	1:37:A:ILE:HD12	1:54:A:VAL:HA	9	0.18
(1,1364)	1:37:A:ILE:HD13	1:54:A:VAL:HA	9	0.18
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB2	14	0.18
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB3	14	0.18
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB2	14	0.18
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB2	18	0.18
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB3	18	0.18
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB2	18	0.18
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB3	18	0.18
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	7	0.18
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	7	0.18
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	7	0.18
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	14	0.18
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	14	0.18
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	14	0.18
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	18	0.18
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	2	0.18
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	2	0.18
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	2	0.18
(1,1338)	1:13:A:GLY:H	1:14:A:GLY:H	8	0.18
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	10	0.18
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	17	0.18
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	3	0.18
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	5	0.18
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	7	0.18
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	12	0.18
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	15	0.18
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	10	0.18
(1,1309)	1:75:A:ASN:HA	1:75:A:ASN:HD21	17	0.18
(1,1305)	1:74:A:LEU:HD21	1:75:A:ASN:HD22	14	0.18
(1,1305)	1:74:A:LEU:HD22	1:75:A:ASN:HD22	14	0.18
(1,1305)	1:74:A:LEU:HD23	1:75:A:ASN:HD22	14	0.18
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	11	0.18
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	11	0.18
(1,1294)	1:3:A:ASP:HA	1:4:A:ASN:HD22	10	0.18
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	14	0.18
(1,1264)	1:8:A:ASP:H	1:56:A:TYR:HB3	4	0.18
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	6	0.18
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	9	0.18
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	16	0.18
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	2	0.18
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	10	0.18
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	15	0.18
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	14	0.18
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	14	0.18
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	14	0.18
(1,1214)	1:2:A:SER:H	1:3:A:ASP:H	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	3	0.18
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	12	0.18
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	18	0.18
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	4	0.18
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	11	0.18
(1,1201)	1:42:A:ASN:H	1:47:A:LYS:H	16	0.18
(1,1197)	1:63:A:LYS:H	1:64:A:HIS:H	3	0.18
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	7	0.18
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	14	0.18
(1,1183)	1:48:A:ASN:H	1:49:A:ARG:HG2	1	0.18
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	15	0.18
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	16	0.18
(1,1172)	1:7:A:THR:H	1:84:A:SER:H	13	0.18
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	15	0.18
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	12	0.18
(1,1146)	1:3:A:ASP:HA	1:4:A:ASN:H	6	0.18
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	20	0.18
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	20	0.18
(1,1139)	1:33:A:ASP:HB2	1:57:A:VAL:H	6	0.18
(1,1139)	1:33:A:ASP:HB3	1:57:A:VAL:H	6	0.18
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	2	0.18
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	7	0.18
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	9	0.18
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	16	0.18
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	19	0.18
(1,1130)	1:16:A:ASP:HB3	1:17:A:GLU:H	9	0.18
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	15	0.18
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	18	0.18
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	2	0.18
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	2	0.18
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	2	0.18
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	13	0.18
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	13	0.18
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	13	0.18
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	1	0.18
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	18	0.18
(1,1089)	1:85:A:LYS:HB3	1:86:A:THR:H	6	0.18
(1,1083)	1:39:A:VAL:HG11	1:52:A:ALA:H	18	0.18
(1,1083)	1:39:A:VAL:HG12	1:52:A:ALA:H	18	0.18
(1,1083)	1:39:A:VAL:HG13	1:52:A:ALA:H	18	0.18
(1,1083)	1:39:A:VAL:HG21	1:52:A:ALA:H	18	0.18
(1,1083)	1:39:A:VAL:HG22	1:52:A:ALA:H	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1083)	1:39:A:VAL:HG23	1:52:A:ALA:H	18	0.18
(1,1081)	1:77:A:LYS:H	1:77:A:LYS:HB2	13	0.18
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	12	0.18
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	12	0.18
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	12	0.18
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD2	20	0.18
(1,1069)	1:42:A:ASN:H	1:47:A:LYS:HD3	20	0.18
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	13	0.18
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	11	0.18
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	18	0.18
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	18	0.18
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	8	0.18
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	18	0.18
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	20	0.18
(1,1045)	1:36:A:ASN:HD21	1:37:A:ILE:H	11	0.18
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	5	0.18
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	17	0.18
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	4	0.18
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	4	0.18
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	11	0.18
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	11	0.18
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	15	0.18
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	15	0.18
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	14	0.18
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	8	0.18
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG11	10	0.18
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG12	10	0.18
(1,1016)	1:11:A:PHE:H	1:81:A:VAL:HG13	10	0.18
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	12	0.18
(1,1009)	1:58:A:GLU:HB2	1:59:A:VAL:H	5	0.18
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	12	0.18
(1,974)	1:73:A:GLU:HB2	1:75:A:ASN:H	8	0.18
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	2	0.18
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	2	0.18
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	7	0.18
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	7	0.18
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	7	0.18
(1,957)	1:73:A:GLU:HB3	1:74:A:LEU:H	17	0.18
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	8	0.18
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	11	0.18
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	11	0.18
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	17	0.18
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	18	0.18
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	18	0.18
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	10	0.18
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	10	0.18
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	11	0.18
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	11	0.18
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	13	0.18
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	13	0.18
(1,939)	1:64:A:HIS:HA	1:64:A:HIS:HD2	11	0.18
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	1	0.18
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	1	0.18
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	1	0.18
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	1	0.18
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	1	0.18
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	1	0.18
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	1	0.18
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	1	0.18
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	6	0.18
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	6	0.18
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	12	0.18
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	12	0.18
(1,925)	1:11:A:PHE:HE1	1:52:A:ALA:H	18	0.18
(1,925)	1:11:A:PHE:HE2	1:52:A:ALA:H	18	0.18
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	15	0.18
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	15	0.18
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	15	0.18
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	11	0.18
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	11	0.18
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	11	0.18
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	14	0.18
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	14	0.18
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	14	0.18
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	4	0.18
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	4	0.18
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	4	0.18
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	4	0.18
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	4	0.18
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	4	0.18
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	14	0.18
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	14	0.18
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	2	0.18
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	2	0.18
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	2	0.18
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	19	0.18
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	19	0.18
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	19	0.18
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	20	0.18
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	20	0.18
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	20	0.18
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	10	0.18
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	10	0.18
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	10	0.18
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	12	0.18
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	12	0.18
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	12	0.18
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD11	7	0.18
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD12	7	0.18
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD13	7	0.18
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD11	10	0.18
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD12	10	0.18
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD13	10	0.18
(1,850)	1:24:A:LEU:H	1:37:A:ILE:HG21	4	0.18
(1,850)	1:24:A:LEU:H	1:37:A:ILE:HG22	4	0.18
(1,850)	1:24:A:LEU:H	1:37:A:ILE:HG23	4	0.18
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG21	16	0.18
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG22	16	0.18
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG23	16	0.18
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG11	1	0.18
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG12	1	0.18
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG13	1	0.18
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG11	1	0.18
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG12	1	0.18
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG13	1	0.18
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG11	1	0.18
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG12	1	0.18
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG13	1	0.18
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG11	4	0.18
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG12	4	0.18
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG13	4	0.18
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG11	4	0.18
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG12	4	0.18
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG13	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG11	4	0.18
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG12	4	0.18
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG13	4	0.18
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	7	0.18
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	7	0.18
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	7	0.18
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	5	0.18
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	5	0.18
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	5	0.18
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	5	0.18
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	5	0.18
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	5	0.18
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE1	6	0.18
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE2	6	0.18
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE1	6	0.18
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE2	6	0.18
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE1	6	0.18
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE2	6	0.18
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	9	0.18
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	9	0.18
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	9	0.18
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB1	18	0.18
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB2	18	0.18
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB3	18	0.18
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	14	0.18
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	14	0.18
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	14	0.18
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	17	0.18
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	17	0.18
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	17	0.18
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	20	0.18
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	20	0.18
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	20	0.18
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	16	0.18
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	16	0.18
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	16	0.18
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	16	0.18
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	16	0.18
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	16	0.18
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	16	0.18
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	16	0.18
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG21	13	0.18
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG22	13	0.18
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG23	13	0.18
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG21	2	0.18
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG22	2	0.18
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG23	2	0.18
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG21	15	0.18
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG22	15	0.18
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG23	15	0.18
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	10	0.18
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	10	0.18
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	10	0.18
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	12	0.18
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	12	0.18
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	12	0.18
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	10	0.18
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	10	0.18
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	10	0.18
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	4	0.18
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	4	0.18
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	4	0.18
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	4	0.18
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	4	0.18
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	4	0.18
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	4	0.18
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	4	0.18
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	4	0.18
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	4	0.18
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	4	0.18
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	4	0.18
(1,753)	1:6:A:ALA:HB1	1:7:A:THR:H	11	0.18
(1,753)	1:6:A:ALA:HB2	1:7:A:THR:H	11	0.18
(1,753)	1:6:A:ALA:HB3	1:7:A:THR:H	11	0.18
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG21	9	0.18
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG22	9	0.18
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG23	9	0.18
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG11	17	0.18
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG12	17	0.18
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG13	17	0.18
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG11	6	0.18
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG12	6	0.18
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG13	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	4	0.18
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	4	0.18
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	4	0.18
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG11	19	0.18
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG12	19	0.18
(1,708)	1:57:A:VAL:HA	1:57:A:VAL:HG13	19	0.18
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	12	0.18
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	12	0.18
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	12	0.18
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	16	0.18
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	16	0.18
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	16	0.18
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG21	8	0.18
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG22	8	0.18
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG23	8	0.18
(1,693)	1:7:A:THR:HG21	1:9:A:ILE:H	11	0.18
(1,693)	1:7:A:THR:HG22	1:9:A:ILE:H	11	0.18
(1,693)	1:7:A:THR:HG23	1:9:A:ILE:H	11	0.18
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	18	0.18
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	18	0.18
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	18	0.18
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	18	0.18
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	18	0.18
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	18	0.18
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	18	0.18
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	18	0.18
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	18	0.18
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	19	0.18
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	19	0.18
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	19	0.18
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	19	0.18
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	19	0.18
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	19	0.18
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	19	0.18
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	19	0.18
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	19	0.18
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	13	0.18
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	13	0.18
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	13	0.18
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	16	0.18
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	16	0.18
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD21	13	0.18
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD22	13	0.18
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD23	13	0.18
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD21	13	0.18
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD22	13	0.18
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD23	13	0.18
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD21	13	0.18
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD22	13	0.18
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD23	13	0.18
(1,674)	1:41:A:LEU:HD21	1:46:A:LYS:HA	2	0.18
(1,674)	1:41:A:LEU:HD22	1:46:A:LYS:HA	2	0.18
(1,674)	1:41:A:LEU:HD23	1:46:A:LYS:HA	2	0.18
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	6	0.18
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	6	0.18
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	6	0.18
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	10	0.18
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	10	0.18
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	10	0.18
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	17	0.18
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	17	0.18
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	17	0.18
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	1	0.18
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	1	0.18
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	1	0.18
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	1	0.18
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	1	0.18
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	1	0.18
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	20	0.18
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	20	0.18
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	20	0.18
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	13	0.18
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	13	0.18
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	13	0.18
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	15	0.18
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	15	0.18
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	15	0.18
(1,614)	1:66:A:LEU:HD11	1:67:A:TYR:HE1	6	0.18
(1,614)	1:66:A:LEU:HD11	1:67:A:TYR:HE2	6	0.18
(1,614)	1:66:A:LEU:HD12	1:67:A:TYR:HE1	6	0.18
(1,614)	1:66:A:LEU:HD12	1:67:A:TYR:HE2	6	0.18
(1,614)	1:66:A:LEU:HD13	1:67:A:TYR:HE1	6	0.18
(1,614)	1:66:A:LEU:HD13	1:67:A:TYR:HE2	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	6	0.18
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	6	0.18
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	6	0.18
(1,595)	1:40:A:PRO:HD3	1:52:A:ALA:HB1	3	0.18
(1,595)	1:40:A:PRO:HD3	1:52:A:ALA:HB2	3	0.18
(1,595)	1:40:A:PRO:HD3	1:52:A:ALA:HB3	3	0.18
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB1	11	0.18
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB2	11	0.18
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB3	11	0.18
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	13	0.18
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	13	0.18
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	13	0.18
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	13	0.18
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	13	0.18
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	13	0.18
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	11	0.18
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	11	0.18
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	13	0.18
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	13	0.18
(1,576)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	13	0.18
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	8	0.18
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	8	0.18
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	8	0.18
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	12	0.18
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	12	0.18
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	12	0.18
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	2	0.18
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	2	0.18
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	2	0.18
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	2	0.18
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD21	9	0.18
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD22	9	0.18
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD23	9	0.18
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB1	19	0.18
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB2	19	0.18
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB3	19	0.18
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB1	19	0.18
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB2	19	0.18
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB3	19	0.18
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB1	19	0.18
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB2	19	0.18
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB3	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	19	0.18
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	19	0.18
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	19	0.18
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	1	0.18
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	15	0.18
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	15	0.18
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	15	0.18
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	19	0.18
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	19	0.18
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	19	0.18
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	11	0.18
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	11	0.18
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	11	0.18
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	11	0.18
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	15	0.18
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	15	0.18
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	15	0.18
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	15	0.18
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	15	0.18
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	15	0.18
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	5	0.18
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	5	0.18
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	12	0.18
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	12	0.18
(1,540)	1:9:A:ILE:HG12	1:55:A:GLU:HA	8	0.18
(1,538)	1:34:A:ILE:HG13	1:56:A:TYR:HE1	15	0.18
(1,538)	1:34:A:ILE:HG13	1:56:A:TYR:HE2	15	0.18
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	4	0.18
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	12	0.18
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	12	0.18
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	12	0.18
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	12	0.18
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	3	0.18
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	3	0.18
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	3	0.18
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	3	0.18
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	15	0.18
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	15	0.18
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	15	0.18
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	15	0.18
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	20	0.18
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	20	0.18
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	20	0.18
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	14	0.18
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	14	0.18
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	10	0.18
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	10	0.18
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD2	19	0.18
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD3	19	0.18
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB1	13	0.18
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB2	13	0.18
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB3	13	0.18
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	19	0.18
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	19	0.18
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	19	0.18
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	19	0.18
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	19	0.18
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	19	0.18
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	11	0.18
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	11	0.18
(1,486)	1:-1:A:SER:HA	1:0:A:HIS:HB2	14	0.18
(1,479)	1:73:A:GLU:HB2	1:76:A:GLY:H	12	0.18
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	3	0.18
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	15	0.18
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	3	0.18
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	3	0.18
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	7	0.18
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	7	0.18
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	11	0.18
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	11	0.18
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	15	0.18
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	15	0.18
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	19	0.18
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	19	0.18
(1,469)	1:35:A:ARG:HB3	1:55:A:GLU:HB2	4	0.18
(1,469)	1:35:A:ARG:HB3	1:55:A:GLU:HB2	16	0.18
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	18	0.18
(1,459)	1:22:A:LYS:HB2	1:23:A:SER:H	14	0.18
(1,459)	1:22:A:LYS:HB3	1:23:A:SER:H	14	0.18
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB2	6	0.18
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB3	6	0.18
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	19	0.18
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	20	0.18
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	20	0.18
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	6	0.18
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	7	0.18
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	4	0.18
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	4	0.18
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	5	0.18
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	5	0.18
(1,409)	1:57:A:VAL:HG11	1:58:A:GLU:HG3	14	0.18
(1,409)	1:57:A:VAL:HG12	1:58:A:GLU:HG3	14	0.18
(1,409)	1:57:A:VAL:HG13	1:58:A:GLU:HG3	14	0.18
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	7	0.18
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	10	0.18
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	15	0.18
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	16	0.18
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	10	0.18
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	10	0.18
(1,395)	1:55:A:GLU:HG3	1:56:A:TYR:H	7	0.18
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	2	0.18
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	9	0.18
(1,392)	1:10:A:LEU:H	1:55:A:GLU:HG2	5	0.18
(1,384)	1:38:A:GLU:HG2	1:40:A:PRO:HD2	16	0.18
(1,383)	1:17:A:GLU:HG2	1:18:A:THR:H	9	0.18
(1,378)	1:21:A:GLU:HG2	1:38:A:GLU:HA	11	0.18
(1,376)	1:21:A:GLU:HG3	1:39:A:VAL:H	11	0.18
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	16	0.18
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	16	0.18
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	16	0.18
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	16	0.18
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	16	0.18
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	16	0.18
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	9	0.18
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB2	13	0.18
(1,344)	1:70:A:ASN:H	1:70:A:ASN:HB3	13	0.18
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	12	0.18
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	19	0.18
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	15	0.18
(1,330)	1:42:A:ASN:HB3	1:47:A:LYS:H	14	0.18
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	3	0.18
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	4	0.18
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	14	0.18
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	3	0.18
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	3	0.18
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	20	0.18
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	20	0.18
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	19	0.18
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	7	0.18
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	1	0.18
(1,257)	1:77:A:LYS:H	1:77:A:LYS:HE2	13	0.18
(1,257)	1:77:A:LYS:H	1:77:A:LYS:HE3	13	0.18
(1,254)	1:41:A:LEU:HD11	1:46:A:LYS:HE2	9	0.18
(1,254)	1:41:A:LEU:HD11	1:46:A:LYS:HE3	9	0.18
(1,254)	1:41:A:LEU:HD12	1:46:A:LYS:HE2	9	0.18
(1,254)	1:41:A:LEU:HD12	1:46:A:LYS:HE3	9	0.18
(1,254)	1:41:A:LEU:HD13	1:46:A:LYS:HE2	9	0.18
(1,254)	1:41:A:LEU:HD13	1:46:A:LYS:HE3	9	0.18
(1,247)	1:11:A:PHE:HE1	1:51:A:PHE:HB3	7	0.18
(1,247)	1:11:A:PHE:HE2	1:51:A:PHE:HB3	7	0.18
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	3	0.18
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	7	0.18
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	17	0.18
(1,232)	1:20:A:ASP:HB3	1:21:A:GLU:H	5	0.18
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	19	0.18
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG11	11	0.18
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG12	11	0.18
(1,222)	1:35:A:ARG:HD2	1:57:A:VAL:HG13	11	0.18
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG11	11	0.18
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG12	11	0.18
(1,222)	1:35:A:ARG:HD3	1:57:A:VAL:HG13	11	0.18
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	11	0.18
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	11	0.18
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	11	0.18
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	11	0.18
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	11	0.18
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	11	0.18
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	17	0.18
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	17	0.18
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	17	0.18
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	17	0.18
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	19	0.18
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE1	19	0.18
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE2	19	0.18
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG2	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG3	7	0.18
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG2	19	0.18
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG3	19	0.18
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	11	0.18
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	18	0.18
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG2	4	0.18
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG3	4	0.18
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	12	0.18
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	9	0.18
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	9	0.18
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	15	0.18
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	15	0.18
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	10	0.18
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	2	0.18
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	5	0.18
(1,154)	1:80:A:HIS:HA	1:81:A:VAL:H	17	0.18
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	1	0.18
(1,153)	1:77:A:LYS:HA	1:78:A:ARG:H	13	0.18
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	10	0.18
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	12	0.18
(1,147)	1:14:A:GLY:H	1:51:A:PHE:HA	20	0.18
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	3	0.18
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	3	0.18
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	17	0.18
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	17	0.18
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD1	20	0.18
(1,145)	1:51:A:PHE:HA	1:51:A:PHE:HD2	20	0.18
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	2	0.18
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	8	0.18
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	2	0.18
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	6	0.18
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	7	0.18
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	8	0.18
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	20	0.18
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	20	0.18
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	8	0.18
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	8	0.18
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	8	0.18
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	1	0.18
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	11	0.18
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	10	0.18
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	6	0.18
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	8	0.18
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	5	0.18
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	13	0.18
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	7	0.18
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	15	0.18
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	19	0.18
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	14	0.18
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	14	0.18
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	14	0.18
(1,69)	1:66:A:LEU:HG	1:67:A:TYR:HA	12	0.18
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	1	0.18
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	1	0.18
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	1	0.18
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	1	0.18
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	1	0.18
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	1	0.18
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG21	9	0.18
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG22	9	0.18
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG23	9	0.18
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	7	0.18
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	11	0.18
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	11	0.18
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	11	0.18
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG21	2	0.18
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG22	2	0.18
(1,53)	1:45:A:THR:HA	1:45:A:THR:HG23	2	0.18
(1,50)	1:23:A:SER:HA	1:26:A:ASP:HB3	11	0.18
(1,50)	1:23:A:SER:HA	1:26:A:ASP:HB3	17	0.18
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	7	0.18
(1,35)	1:22:A:LYS:HD2	1:23:A:SER:HB3	10	0.18
(1,35)	1:22:A:LYS:HD3	1:23:A:SER:HB3	10	0.18
(1,33)	1:23:A:SER:H	1:23:A:SER:HB2	7	0.18
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	17	0.18
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	17	0.18
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	17	0.18
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	16	0.18
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	19	0.18
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	12	0.18
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	12	0.18
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	20	0.18
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD2	10	0.17
(1,1543)	1:15:A:ILE:HA	1:77:A:LYS:HD3	10	0.17
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	4	0.17
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	20	0.17
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	20	0.17
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	20	0.17
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD11	8	0.17
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD12	8	0.17
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD13	8	0.17
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD11	12	0.17
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD12	12	0.17
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD13	12	0.17
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD11	15	0.17
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD12	15	0.17
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD13	15	0.17
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD11	20	0.17
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD12	20	0.17
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD13	20	0.17
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD11	18	0.17
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD12	18	0.17
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD13	18	0.17
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	2	0.17
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	2	0.17
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	2	0.17
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	6	0.17
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	6	0.17
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	6	0.17
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	14	0.17
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	14	0.17
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	14	0.17
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	14	0.17
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	14	0.17
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	14	0.17
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	13	0.17
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	13	0.17
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	13	0.17
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	13	0.17
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	13	0.17
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	13	0.17
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG21	15	0.17
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG22	15	0.17
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG23	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG21	15	0.17
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG22	15	0.17
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG23	15	0.17
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG21	15	0.17
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG22	15	0.17
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG23	15	0.17
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	1	0.17
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	1	0.17
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	16	0.17
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	16	0.17
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	1	0.17
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	1	0.17
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	12	0.17
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	15	0.17
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	15	0.17
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	15	0.17
(1,1444)	1:41:A:LEU:HD21	1:48:A:ASN:HB2	6	0.17
(1,1444)	1:41:A:LEU:HD22	1:48:A:ASN:HB2	6	0.17
(1,1444)	1:41:A:LEU:HD23	1:48:A:ASN:HB2	6	0.17
(1,1444)	1:41:A:LEU:HD21	1:48:A:ASN:HB2	18	0.17
(1,1444)	1:41:A:LEU:HD22	1:48:A:ASN:HB2	18	0.17
(1,1444)	1:41:A:LEU:HD23	1:48:A:ASN:HB2	18	0.17
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	17	0.17
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	17	0.17
(1,1431)	1:50:A:GLY:HA3	1:51:A:PHE:HB2	6	0.17
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD2	16	0.17
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD3	16	0.17
(1,1414)	1:58:A:GLU:HA	1:61:A:ASP:HB2	4	0.17
(1,1414)	1:58:A:GLU:HA	1:61:A:ASP:HB2	10	0.17
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	15	0.17
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	15	0.17
(1,1397)	1:11:A:PHE:HB2	1:53:A:PHE:HA	8	0.17
(1,1397)	1:11:A:PHE:HB3	1:53:A:PHE:HA	8	0.17
(1,1397)	1:11:A:PHE:HB2	1:53:A:PHE:HA	12	0.17
(1,1397)	1:11:A:PHE:HB3	1:53:A:PHE:HA	12	0.17
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	4	0.17
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD1	14	0.17
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD2	14	0.17
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	2	0.17
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	4	0.17
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	4	0.17
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	9	0.17
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	9	0.17
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	9	0.17
(1,1379)	1:34:A:ILE:HA	1:56:A:TYR:HA	11	0.17
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	11	0.17
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	12	0.17
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	13	0.17
(1,1375)	1:12:A:VAL:HA	1:81:A:VAL:HA	19	0.17
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB2	9	0.17
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB3	9	0.17
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB2	9	0.17
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB3	9	0.17
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	4	0.17
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	14	0.17
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	19	0.17
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	16	0.17
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	16	0.17
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	16	0.17
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	19	0.17
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	19	0.17
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	19	0.17
(1,1337)	1:14:A:GLY:H	1:52:A:ALA:H	4	0.17
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	19	0.17
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	5	0.17
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	7	0.17
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	9	0.17
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	8	0.17
(1,1318)	1:16:A:ASP:HB3	1:18:A:THR:H	17	0.17
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG21	3	0.17
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG22	3	0.17
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG23	3	0.17
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	13	0.17
(1,1302)	1:4:A:ASN:HD22	1:82:A:ASN:HA	17	0.17
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	5	0.17
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	5	0.17
(1,1289)	1:36:A:ASN:HB2	1:36:A:ASN:HD21	5	0.17
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	12	0.17
(1,1275)	1:35:A:ARG:H	1:36:A:ASN:H	4	0.17
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	4	0.17
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	19	0.17
(1,1266)	1:7:A:THR:HG21	1:8:A:ASP:H	11	0.17
(1,1266)	1:7:A:THR:HG22	1:8:A:ASP:H	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1266)	1:7:A:THR:HG23	1:8:A:ASP:H	11	0.17
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	17	0.17
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	19	0.17
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	12	0.17
(1,1251)	1:68:A:ASN:H	1:69:A:MET:H	11	0.17
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	4	0.17
(1,1227)	1:65:A:ALA:H	1:67:A:TYR:H	14	0.17
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	1	0.17
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	7	0.17
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	18	0.17
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	1	0.17
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	1	0.17
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	1	0.17
(1,1216)	1:17:A:GLU:HB2	1:48:A:ASN:HD21	4	0.17
(1,1216)	1:17:A:GLU:HB3	1:48:A:ASN:HD21	4	0.17
(1,1213)	1:1:A:MET:HB2	1:2:A:SER:H	2	0.17
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	4	0.17
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	10	0.17
(1,1210)	1:49:A:ARG:H	1:49:A:ARG:HG3	13	0.17
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	19	0.17
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	19	0.17
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	15	0.17
(1,1202)	1:46:A:LYS:H	1:47:A:LYS:H	16	0.17
(1,1196)	1:64:A:HIS:H	1:65:A:ALA:H	8	0.17
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	3	0.17
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	4	0.17
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	4	0.17
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	5	0.17
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	5	0.17
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	14	0.17
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	14	0.17
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	2	0.17
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	10	0.17
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	2	0.17
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	16	0.17
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	14	0.17
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	15	0.17
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	1	0.17
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	6	0.17
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	13	0.17
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	16	0.17
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	3	0.17
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	3	0.17
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	3	0.17
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	11	0.17
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	11	0.17
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	11	0.17
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	18	0.17
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	18	0.17
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	18	0.17
(1,1122)	1:59:A:VAL:HA	1:61:A:ASP:H	6	0.17
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	2	0.17
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	5	0.17
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	5	0.17
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	5	0.17
(1,1090)	1:85:A:LYS:HD2	1:86:A:THR:H	3	0.17
(1,1090)	1:85:A:LYS:HD3	1:86:A:THR:H	3	0.17
(1,1090)	1:85:A:LYS:HD2	1:86:A:THR:H	6	0.17
(1,1090)	1:85:A:LYS:HD3	1:86:A:THR:H	6	0.17
(1,1085)	1:12:A:VAL:H	1:52:A:ALA:H	13	0.17
(1,1085)	1:12:A:VAL:H	1:52:A:ALA:H	19	0.17
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	7	0.17
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	12	0.17
(1,1076)	1:11:A:PHE:H	1:82:A:ASN:H	3	0.17
(1,1076)	1:11:A:PHE:H	1:82:A:ASN:H	8	0.17
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	19	0.17
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	19	0.17
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	19	0.17
(1,1065)	1:72:A:PHE:H	1:78:A:ARG:HD2	20	0.17
(1,1065)	1:72:A:PHE:H	1:78:A:ARG:HD3	20	0.17
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	14	0.17
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	10	0.17
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	7	0.17
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	19	0.17
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	4	0.17
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	1	0.17
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	1	0.17
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	8	0.17
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	10	0.17
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	19	0.17
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	2	0.17
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	2	0.17
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE2	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE3	20	0.17
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	2	0.17
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	5	0.17
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	11	0.17
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	10	0.17
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	10	0.17
(1,984)	1:37:A:ILE:HG21	1:39:A:VAL:H	19	0.17
(1,984)	1:37:A:ILE:HG22	1:39:A:VAL:H	19	0.17
(1,984)	1:37:A:ILE:HG23	1:39:A:VAL:H	19	0.17
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB1	13	0.17
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB2	13	0.17
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB3	13	0.17
(1,973)	1:73:A:GLU:HG3	1:75:A:ASN:H	16	0.17
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	18	0.17
(1,964)	1:56:A:TYR:H	1:57:A:VAL:H	5	0.17
(1,957)	1:73:A:GLU:HB3	1:74:A:LEU:H	10	0.17
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	19	0.17
(1,953)	1:35:A:ARG:H	1:57:A:VAL:H	10	0.17
(1,953)	1:35:A:ARG:H	1:57:A:VAL:H	17	0.17
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	11	0.17
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	11	0.17
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	11	0.17
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	14	0.17
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	14	0.17
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	18	0.17
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	18	0.17
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	5	0.17
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	5	0.17
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	16	0.17
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	16	0.17
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	4	0.17
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	4	0.17
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	4	0.17
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	4	0.17
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	4	0.17
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	4	0.17
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD1	1	0.17
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD2	1	0.17
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD1	1	0.17
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD2	1	0.17
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD1	1	0.17
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	17	0.17
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	17	0.17
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	8	0.17
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	8	0.17
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE1	7	0.17
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE2	7	0.17
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	10	0.17
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	10	0.17
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	10	0.17
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	10	0.17
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	17	0.17
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	17	0.17
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	17	0.17
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	17	0.17
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	3	0.17
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	3	0.17
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE1	9	0.17
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE2	9	0.17
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE1	12	0.17
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE2	12	0.17
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	9	0.17
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	9	0.17
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	9	0.17
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	9	0.17
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	9	0.17
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	9	0.17
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	10	0.17
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	10	0.17
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	10	0.17
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	10	0.17
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	10	0.17
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	10	0.17
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	17	0.17
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	17	0.17
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	17	0.17
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	17	0.17
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	17	0.17
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	17	0.17
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD11	5	0.17
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD12	5	0.17
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD13	5	0.17
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD11	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD12	5	0.17
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD13	5	0.17
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD11	5	0.17
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD12	5	0.17
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD13	5	0.17
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD11	9	0.17
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD12	9	0.17
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD13	9	0.17
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD11	11	0.17
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD12	11	0.17
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD13	11	0.17
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD11	16	0.17
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD12	16	0.17
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD13	16	0.17
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	17	0.17
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	17	0.17
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	17	0.17
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD11	18	0.17
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD12	18	0.17
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD13	18	0.17
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD11	18	0.17
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD12	18	0.17
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD13	18	0.17
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD11	18	0.17
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD12	18	0.17
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD13	18	0.17
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	6	0.17
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	6	0.17
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	6	0.17
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	6	0.17
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	6	0.17
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	6	0.17
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	10	0.17
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	10	0.17
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	10	0.17
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	10	0.17
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	10	0.17
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	10	0.17
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	12	0.17
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	12	0.17
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	12	0.17
(1,882)	1:15:A:ILE:HD11	1:16:A:ASP:H	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:15:A:ILE:HD12	1:16:A:ASP:H	3	0.17
(1,882)	1:15:A:ILE:HD13	1:16:A:ASP:H	3	0.17
(1,882)	1:15:A:ILE:HD11	1:16:A:ASP:H	14	0.17
(1,882)	1:15:A:ILE:HD12	1:16:A:ASP:H	14	0.17
(1,882)	1:15:A:ILE:HD13	1:16:A:ASP:H	14	0.17
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD11	13	0.17
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD12	13	0.17
(1,869)	1:37:A:ILE:HA	1:37:A:ILE:HD13	13	0.17
(1,868)	1:9:A:ILE:H	1:9:A:ILE:HD11	20	0.17
(1,868)	1:9:A:ILE:H	1:9:A:ILE:HD12	20	0.17
(1,868)	1:9:A:ILE:H	1:9:A:ILE:HD13	20	0.17
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	18	0.17
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	18	0.17
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	18	0.17
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG21	20	0.17
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG22	20	0.17
(1,856)	1:25:A:TYR:HB3	1:37:A:ILE:HG23	20	0.17
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG11	8	0.17
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG12	8	0.17
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG13	8	0.17
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG11	8	0.17
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG12	8	0.17
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG13	8	0.17
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG11	8	0.17
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG12	8	0.17
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG13	8	0.17
(1,852)	1:37:A:ILE:HG21	1:54:A:VAL:HA	7	0.17
(1,852)	1:37:A:ILE:HG22	1:54:A:VAL:HA	7	0.17
(1,852)	1:37:A:ILE:HG23	1:54:A:VAL:HA	7	0.17
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	11	0.17
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	11	0.17
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	11	0.17
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	2	0.17
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	2	0.17
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	2	0.17
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	9	0.17
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	9	0.17
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	9	0.17
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	9	0.17
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	9	0.17
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	9	0.17
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	13	0.17
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	13	0.17
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	6	0.17
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	6	0.17
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	6	0.17
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	11	0.17
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	11	0.17
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	11	0.17
(1,788)	1:62:A:ALA:HB1	1:64:A:HIS:H	3	0.17
(1,788)	1:62:A:ALA:HB2	1:64:A:HIS:H	3	0.17
(1,788)	1:62:A:ALA:HB3	1:64:A:HIS:H	3	0.17
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	3	0.17
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	3	0.17
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	3	0.17
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	3	0.17
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	3	0.17
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	3	0.17
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	3	0.17
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	3	0.17
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	3	0.17
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	10	0.17
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	10	0.17
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	10	0.17
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	10	0.17
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	10	0.17
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	10	0.17
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	10	0.17
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	10	0.17
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	10	0.17
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	11	0.17
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	11	0.17
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	11	0.17
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	11	0.17
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	11	0.17
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	11	0.17
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	11	0.17
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	11	0.17
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	11	0.17
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	5	0.17
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	5	0.17
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	5	0.17
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	15	0.17
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	15	0.17
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	18	0.17
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	18	0.17
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	18	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	1	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	1	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	1	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	3	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	3	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	3	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	11	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	11	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	11	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	12	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	12	0.17
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	12	0.17
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	13	0.17
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	13	0.17
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	13	0.17
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	13	0.17
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	13	0.17
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	13	0.17
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	13	0.17
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	13	0.17
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	13	0.17
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	5	0.17
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	5	0.17
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	5	0.17
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG11	16	0.17
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG12	16	0.17
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG13	16	0.17
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG11	2	0.17
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG12	2	0.17
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG13	2	0.17
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG11	5	0.17
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG12	5	0.17
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG13	5	0.17
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG11	10	0.17
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG12	10	0.17
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG13	10	0.17
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	15	0.17
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	15	0.17
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	15	0.17
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	15	0.17
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	15	0.17
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	10	0.17
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	10	0.17
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	10	0.17
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	10	0.17
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	10	0.17
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	10	0.17
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	10	0.17
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	10	0.17
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	10	0.17
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	10	0.17
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	10	0.17
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	10	0.17
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	10	0.17
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	10	0.17
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	10	0.17
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	1	0.17
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	1	0.17
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	1	0.17
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG21	1	0.17
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG22	1	0.17
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG23	1	0.17
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	5	0.17
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	5	0.17
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	5	0.17
(1,700)	1:44:A:THR:H	1:45:A:THR:HG21	20	0.17
(1,700)	1:44:A:THR:H	1:45:A:THR:HG22	20	0.17
(1,700)	1:44:A:THR:H	1:45:A:THR:HG23	20	0.17
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG21	16	0.17
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG22	16	0.17
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG23	16	0.17
(1,678)	1:86:A:THR:H	1:86:A:THR:HG21	1	0.17
(1,678)	1:86:A:THR:H	1:86:A:THR:HG22	1	0.17
(1,678)	1:86:A:THR:H	1:86:A:THR:HG23	1	0.17
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	5	0.17
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	5	0.17
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	5	0.17
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	1	0.17
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	1	0.17
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG21	9	0.17
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG22	9	0.17
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG23	9	0.17
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG21	9	0.17
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG22	9	0.17
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG23	9	0.17
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG21	20	0.17
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG22	20	0.17
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG23	20	0.17
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG21	20	0.17
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG22	20	0.17
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG23	20	0.17
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	2	0.17
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	2	0.17
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	2	0.17
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	10	0.17
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	10	0.17
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	10	0.17
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	13	0.17
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	13	0.17
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	13	0.17
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG21	15	0.17
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG22	15	0.17
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG23	15	0.17
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	1	0.17
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	1	0.17
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	1	0.17
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	11	0.17
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	11	0.17
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	11	0.17
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	10	0.17
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	10	0.17
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	10	0.17
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	10	0.17
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	10	0.17
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	10	0.17
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	15	0.17
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	15	0.17
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	15	0.17
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	15	0.17
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	15	0.17
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	12	0.17
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	12	0.17
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	12	0.17
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	12	0.17
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	12	0.17
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	12	0.17
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	7	0.17
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	7	0.17
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	7	0.17
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG11	13	0.17
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG12	13	0.17
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG13	13	0.17
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG11	13	0.17
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG12	13	0.17
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG13	13	0.17
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	3	0.17
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	3	0.17
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	3	0.17
(1,613)	1:66:A:LEU:HD11	1:82:A:ASN:HD22	11	0.17
(1,613)	1:66:A:LEU:HD12	1:82:A:ASN:HD22	11	0.17
(1,613)	1:66:A:LEU:HD13	1:82:A:ASN:HD22	11	0.17
(1,606)	1:47:A:LYS:HG2	1:48:A:ASN:H	3	0.17
(1,606)	1:47:A:LYS:HG3	1:48:A:ASN:H	3	0.17
(1,600)	1:41:A:LEU:HD11	1:46:A:LYS:HA	6	0.17
(1,600)	1:41:A:LEU:HD12	1:46:A:LYS:HA	6	0.17
(1,600)	1:41:A:LEU:HD13	1:46:A:LYS:HA	6	0.17
(1,600)	1:41:A:LEU:HD11	1:46:A:LYS:HA	12	0.17
(1,600)	1:41:A:LEU:HD12	1:46:A:LYS:HA	12	0.17
(1,600)	1:41:A:LEU:HD13	1:46:A:LYS:HA	12	0.17
(1,595)	1:40:A:PRO:HD3	1:52:A:ALA:HB1	10	0.17
(1,595)	1:40:A:PRO:HD3	1:52:A:ALA:HB2	10	0.17
(1,595)	1:40:A:PRO:HD3	1:52:A:ALA:HB3	10	0.17
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	13	0.17
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	13	0.17
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	13	0.17
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	5	0.17
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	5	0.17
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	5	0.17
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	5	0.17
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	5	0.17
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	2	0.17
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	2	0.17
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	2	0.17
(1,572)	1:66:A:LEU:HD21	1:82:A:ASN:HB3	4	0.17
(1,572)	1:66:A:LEU:HD22	1:82:A:ASN:HB3	4	0.17
(1,572)	1:66:A:LEU:HD23	1:82:A:ASN:HB3	4	0.17
(1,572)	1:66:A:LEU:HD21	1:82:A:ASN:HB3	5	0.17
(1,572)	1:66:A:LEU:HD22	1:82:A:ASN:HB3	5	0.17
(1,572)	1:66:A:LEU:HD23	1:82:A:ASN:HB3	5	0.17
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD21	15	0.17
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD22	15	0.17
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD23	15	0.17
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	17	0.17
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	17	0.17
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	17	0.17
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	17	0.17
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	17	0.17
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	17	0.17
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	17	0.17
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	17	0.17
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	17	0.17
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD11	11	0.17
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD12	11	0.17
(1,558)	1:24:A:LEU:H	1:24:A:LEU:HD13	11	0.17
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	15	0.17
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	15	0.17
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	15	0.17
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	20	0.17
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	20	0.17
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	20	0.17
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	1	0.17
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	1	0.17
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	6	0.17
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	6	0.17
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	18	0.17
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	18	0.17
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	5	0.17
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	5	0.17
(1,540)	1:9:A:ILE:HG12	1:55:A:GLU:HA	16	0.17
(1,540)	1:9:A:ILE:HG12	1:55:A:GLU:HA	19	0.17
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	4	0.17
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	4	0.17
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	4	0.17
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	4	0.17
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	10	0.17
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	10	0.17
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	16	0.17
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	16	0.17
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	6	0.17
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	6	0.17
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	19	0.17
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	19	0.17
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	19	0.17
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB1	7	0.17
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB2	7	0.17
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB3	7	0.17
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB1	18	0.17
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB2	18	0.17
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB3	18	0.17
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	6	0.17
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	1	0.17
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	1	0.17
(1,488)	1:0:A:HIS:HB3	1:80:A:HIS:HD2	1	0.17
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	7	0.17
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	16	0.17
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	18	0.17
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	12	0.17
(1,475)	1:58:A:GLU:HB3	1:59:A:VAL:H	5	0.17
(1,474)	1:58:A:GLU:HB3	1:60:A:ASP:H	20	0.17
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	9	0.17
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	9	0.17
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	13	0.17
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	13	0.17
(1,468)	1:36:A:ASN:HB2	1:55:A:GLU:HB2	8	0.17
(1,459)	1:22:A:LYS:HB2	1:23:A:SER:H	8	0.17
(1,459)	1:22:A:LYS:HB3	1:23:A:SER:H	8	0.17
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG21	14	0.17
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG22	14	0.17
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG23	14	0.17
(1,446)	1:57:A:VAL:HB	1:58:A:GLU:H	10	0.17
(1,446)	1:57:A:VAL:HB	1:58:A:GLU:H	20	0.17
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	5	0.17
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	18	0.17
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	18	0.17
(1,436)	1:43:A:MET:HG2	1:44:A:THR:H	14	0.17
(1,435)	1:11:A:PHE:HA	1:12:A:VAL:HB	11	0.17
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	2	0.17
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	2	0.17
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	10	0.17
(1,418)	1:54:A:VAL:HB	1:55:A:GLU:H	20	0.17
(1,416)	1:77:A:LYS:H	1:77:A:LYS:HB3	8	0.17
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	6	0.17
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	1	0.17
(1,394)	1:55:A:GLU:H	1:55:A:GLU:HG3	1	0.17
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	6	0.17
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	7	0.17
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	14	0.17
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	3	0.17
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	3	0.17
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	3	0.17
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	8	0.17
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	8	0.17
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	8	0.17
(1,304)	1:56:A:TYR:H	1:56:A:TYR:HB3	19	0.17
(1,300)	1:9:A:ILE:HB	1:10:A:LEU:H	19	0.17
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	6	0.17
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	16	0.17
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	4	0.17
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	12	0.17
(1,257)	1:77:A:LYS:H	1:77:A:LYS:HE2	17	0.17
(1,257)	1:77:A:LYS:H	1:77:A:LYS:HE3	17	0.17
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	3	0.17
(1,247)	1:11:A:PHE:HE1	1:51:A:PHE:HB3	18	0.17
(1,247)	1:11:A:PHE:HE2	1:51:A:PHE:HB3	18	0.17
(1,242)	1:20:A:ASP:HB3	1:22:A:LYS:H	14	0.17
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	2	0.17
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	15	0.17
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	4	0.17
(1,232)	1:20:A:ASP:HB3	1:21:A:GLU:H	18	0.17
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	1	0.17
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	9	0.17
(1,227)	1:10:A:LEU:HB3	1:11:A:PHE:H	8	0.17
(1,221)	1:35:A:ARG:HD2	1:55:A:GLU:HB2	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:35:A:ARG:HD3	1:55:A:GLU:HB2	16	0.17
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	5	0.17
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	5	0.17
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	5	0.17
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	5	0.17
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	7	0.17
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	4	0.17
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	4	0.17
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	7	0.17
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	7	0.17
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	12	0.17
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	12	0.17
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	18	0.17
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	18	0.17
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	9	0.17
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	19	0.17
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	19	0.17
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	4	0.17
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	4	0.17
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	4	0.17
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	1	0.17
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	6	0.17
(1,150)	1:10:A:LEU:HD11	1:62:A:ALA:HA	14	0.17
(1,150)	1:10:A:LEU:HD12	1:62:A:ALA:HA	14	0.17
(1,150)	1:10:A:LEU:HD13	1:62:A:ALA:HA	14	0.17
(1,147)	1:14:A:GLY:H	1:51:A:PHE:HA	1	0.17
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG21	4	0.17
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG22	4	0.17
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG23	4	0.17
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	17	0.17
(1,129)	1:38:A:GLU:H	1:53:A:PHE:HA	5	0.17
(1,126)	1:12:A:VAL:HG21	1:53:A:PHE:HA	6	0.17
(1,126)	1:12:A:VAL:HG22	1:53:A:PHE:HA	6	0.17
(1,126)	1:12:A:VAL:HG23	1:53:A:PHE:HA	6	0.17
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	11	0.17
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	4	0.17
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	5	0.17
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	17	0.17
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	3	0.17
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	3	0.17
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	1	0.17
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	1	0.17
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	17	0.17
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	17	0.17
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	17	0.17
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD2	13	0.17
(1,110)	1:46:A:LYS:HA	1:47:A:LYS:HD3	13	0.17
(1,107)	1:46:A:LYS:HA	1:47:A:LYS:H	2	0.17
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	3	0.17
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	12	0.17
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	19	0.17
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	14	0.17
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	14	0.17
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	4	0.17
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	14	0.17
(1,92)	1:22:A:LYS:HA	1:25:A:TYR:HB3	4	0.17
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	15	0.17
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	12	0.17
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG21	18	0.17
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG22	18	0.17
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG23	18	0.17
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	20	0.17
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	17	0.17
(1,50)	1:23:A:SER:HA	1:26:A:ASP:HB3	10	0.17
(1,50)	1:23:A:SER:HA	1:26:A:ASP:HB3	14	0.17
(1,47)	1:29:A:SER:HB2	1:34:A:ILE:HG13	17	0.17
(1,39)	1:22:A:LYS:HB2	1:23:A:SER:HB3	5	0.17
(1,39)	1:22:A:LYS:HB3	1:23:A:SER:HB3	5	0.17
(1,36)	1:23:A:SER:H	1:23:A:SER:HB3	4	0.17
(1,36)	1:23:A:SER:H	1:23:A:SER:HB3	12	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	1	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	1	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	1	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	3	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	3	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	3	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	4	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	4	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	4	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	9	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	9	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	9	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	18	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	18	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	19	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	19	0.17
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	19	0.17
(1,24)	1:40:A:PRO:HA	1:41:A:LEU:H	11	0.17
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	4	0.17
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	9	0.17
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	9	0.17
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	12	0.17
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	12	0.17
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	7	0.17
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	7	0.17
(1,2)	1:86:A:THR:HA	1:86:A:THR:HB	8	0.17
(1,1547)	1:15:A:ILE:HG21	1:80:A:HIS:H	10	0.16
(1,1547)	1:15:A:ILE:HG22	1:80:A:HIS:H	10	0.16
(1,1547)	1:15:A:ILE:HG23	1:80:A:HIS:H	10	0.16
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	14	0.16
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	14	0.16
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	14	0.16
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	14	0.16
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	14	0.16
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	14	0.16
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	17	0.16
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	17	0.16
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	17	0.16
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	17	0.16
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	17	0.16
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	17	0.16
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD11	4	0.16
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD12	4	0.16
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD13	4	0.16
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD11	2	0.16
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD12	2	0.16
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD13	2	0.16
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD11	19	0.16
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD12	19	0.16
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD13	19	0.16
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	20	0.16
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	20	0.16
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	20	0.16
(1,1510)	1:9:A:ILE:HG21	1:11:A:PHE:HB2	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:9:A:ILE:HG21	1:11:A:PHE:HB3	6	0.16
(1,1510)	1:9:A:ILE:HG22	1:11:A:PHE:HB2	6	0.16
(1,1510)	1:9:A:ILE:HG22	1:11:A:PHE:HB3	6	0.16
(1,1510)	1:9:A:ILE:HG23	1:11:A:PHE:HB2	6	0.16
(1,1510)	1:9:A:ILE:HG23	1:11:A:PHE:HB3	6	0.16
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	18	0.16
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	18	0.16
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	18	0.16
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	4	0.16
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	4	0.16
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	4	0.16
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	4	0.16
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	4	0.16
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	4	0.16
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	18	0.16
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	18	0.16
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	18	0.16
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	18	0.16
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	18	0.16
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	18	0.16
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	6	0.16
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	6	0.16
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	6	0.16
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	6	0.16
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	6	0.16
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	6	0.16
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	19	0.16
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	19	0.16
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	19	0.16
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	19	0.16
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	19	0.16
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	19	0.16
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG21	5	0.16
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG22	5	0.16
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG23	5	0.16
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG21	5	0.16
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG22	5	0.16
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG23	5	0.16
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG21	5	0.16
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG22	5	0.16
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG23	5	0.16
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD11	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD12	15	0.16
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD13	15	0.16
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD11	15	0.16
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD12	15	0.16
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD13	15	0.16
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD11	15	0.16
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD12	15	0.16
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD13	15	0.16
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	11	0.16
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	11	0.16
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	11	0.16
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	11	0.16
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	11	0.16
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	11	0.16
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	11	0.16
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	11	0.16
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	11	0.16
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG11	12	0.16
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG12	12	0.16
(1,1479)	1:66:A:LEU:HD21	1:81:A:VAL:HG13	12	0.16
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG11	12	0.16
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG12	12	0.16
(1,1479)	1:66:A:LEU:HD22	1:81:A:VAL:HG13	12	0.16
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG11	12	0.16
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG12	12	0.16
(1,1479)	1:66:A:LEU:HD23	1:81:A:VAL:HG13	12	0.16
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	2	0.16
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	2	0.16
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	2	0.16
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	2	0.16
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	4	0.16
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	4	0.16
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	4	0.16
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	4	0.16
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	6	0.16
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	6	0.16
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	6	0.16
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	6	0.16
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	6	0.16
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	6	0.16
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	16	0.16
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1470)	1:15:A:ILE:HA	1:19:A:ILE:HG12	7	0.16
(1,1470)	1:15:A:ILE:HA	1:19:A:ILE:HG13	7	0.16
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD11	8	0.16
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD12	8	0.16
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD13	8	0.16
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	6	0.16
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD2	10	0.16
(1,1456)	1:63:A:LYS:HB2	1:63:A:LYS:HD3	10	0.16
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD2	10	0.16
(1,1456)	1:63:A:LYS:HB3	1:63:A:LYS:HD3	10	0.16
(1,1449)	1:38:A:GLU:HG3	1:53:A:PHE:HD1	4	0.16
(1,1449)	1:38:A:GLU:HG3	1:53:A:PHE:HD2	4	0.16
(1,1448)	1:17:A:GLU:HG3	1:18:A:THR:HB	8	0.16
(1,1448)	1:17:A:GLU:HG3	1:18:A:THR:HB	17	0.16
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD1	9	0.16
(1,1440)	1:31:A:PHE:HB3	1:56:A:TYR:HD2	9	0.16
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	3	0.16
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	3	0.16
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	3	0.16
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	3	0.16
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	3	0.16
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	3	0.16
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	5	0.16
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	5	0.16
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	5	0.16
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	5	0.16
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	5	0.16
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	5	0.16
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE2	18	0.16
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE3	18	0.16
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG21	14	0.16
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG22	14	0.16
(1,1433)	1:24:A:LEU:HB3	1:54:A:VAL:HG23	14	0.16
(1,1393)	1:35:A:ARG:HA	1:57:A:VAL:HG21	10	0.16
(1,1393)	1:35:A:ARG:HA	1:57:A:VAL:HG22	10	0.16
(1,1393)	1:35:A:ARG:HA	1:57:A:VAL:HG23	10	0.16
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	5	0.16
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	15	0.16
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	15	0.16
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	1	0.16
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	1	0.16
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG11	18	0.16
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG12	18	0.16
(1,1381)	1:7:A:THR:HA	1:59:A:VAL:HG13	18	0.16
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	19	0.16
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD21	20	0.16
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD22	20	0.16
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD23	20	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	3	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	3	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	3	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	18	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	18	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	18	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	20	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	20	0.16
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	20	0.16
(1,1338)	1:13:A:GLY:H	1:14:A:GLY:H	7	0.16
(1,1338)	1:13:A:GLY:H	1:14:A:GLY:H	12	0.16
(1,1338)	1:13:A:GLY:H	1:14:A:GLY:H	16	0.16
(1,1338)	1:13:A:GLY:H	1:14:A:GLY:H	18	0.16
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	9	0.16
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	11	0.16
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	6	0.16
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	18	0.16
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	4	0.16
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	10	0.16
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	10	0.16
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	20	0.16
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	7	0.16
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	4	0.16
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	4	0.16
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	4	0.16
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG21	7	0.16
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG22	7	0.16
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG23	7	0.16
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG21	9	0.16
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG22	9	0.16
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG23	9	0.16
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	14	0.16
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	14	0.16
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	15	0.16
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1297)	1:19:A:ILE:HD11	1:75:A:ASN:HD21	9	0.16
(1,1297)	1:19:A:ILE:HD12	1:75:A:ASN:HD21	9	0.16
(1,1297)	1:19:A:ILE:HD13	1:75:A:ASN:HD21	9	0.16
(1,1290)	1:36:A:ASN:HD21	1:55:A:GLU:HB2	2	0.16
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	6	0.16
(1,1277)	1:36:A:ASN:H	1:55:A:GLU:HG2	5	0.16
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	10	0.16
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	20	0.16
(1,1264)	1:8:A:ASP:H	1:56:A:TYR:HB3	20	0.16
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	15	0.16
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	17	0.16
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	2	0.16
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	13	0.16
(1,1248)	1:38:A:GLU:HG2	1:53:A:PHE:H	9	0.16
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	12	0.16
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	8	0.16
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	8	0.16
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	8	0.16
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	10	0.16
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	10	0.16
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	10	0.16
(1,1214)	1:2:A:SER:H	1:3:A:ASP:H	6	0.16
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	14	0.16
(1,1207)	1:27:A:ILE:H	1:28:A:PHE:H	15	0.16
(1,1197)	1:63:A:LYS:H	1:64:A:HIS:H	17	0.16
(1,1183)	1:48:A:ASN:H	1:49:A:ARG:HG2	2	0.16
(1,1183)	1:48:A:ASN:H	1:49:A:ARG:HG2	8	0.16
(1,1183)	1:48:A:ASN:H	1:49:A:ARG:HG2	16	0.16
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	8	0.16
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	10	0.16
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	12	0.16
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	17	0.16
(1,1174)	1:9:A:ILE:HB	1:84:A:SER:H	13	0.16
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	1	0.16
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	1	0.16
(1,1163)	1:21:A:GLU:H	1:22:A:LYS:H	1	0.16
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	4	0.16
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	20	0.16
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	17	0.16
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	7	0.16
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	6	0.16
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	6	0.16
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	9	0.16
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	9	0.16
(1,1139)	1:33:A:ASP:HB2	1:57:A:VAL:H	14	0.16
(1,1139)	1:33:A:ASP:HB3	1:57:A:VAL:H	14	0.16
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	17	0.16
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG21	17	0.16
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG22	17	0.16
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG23	17	0.16
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	1	0.16
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	7	0.16
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	8	0.16
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	8	0.16
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	8	0.16
(1,1122)	1:59:A:VAL:HA	1:61:A:ASP:H	4	0.16
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	7	0.16
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	15	0.16
(1,1111)	1:25:A:TYR:H	1:26:A:ASP:H	8	0.16
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	8	0.16
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	12	0.16
(1,1089)	1:85:A:LYS:HB3	1:86:A:THR:H	9	0.16
(1,1085)	1:12:A:VAL:H	1:52:A:ALA:H	7	0.16
(1,1083)	1:39:A:VAL:HG11	1:52:A:ALA:H	5	0.16
(1,1083)	1:39:A:VAL:HG12	1:52:A:ALA:H	5	0.16
(1,1083)	1:39:A:VAL:HG13	1:52:A:ALA:H	5	0.16
(1,1083)	1:39:A:VAL:HG21	1:52:A:ALA:H	5	0.16
(1,1083)	1:39:A:VAL:HG22	1:52:A:ALA:H	5	0.16
(1,1083)	1:39:A:VAL:HG23	1:52:A:ALA:H	5	0.16
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	15	0.16
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	5	0.16
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	7	0.16
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	15	0.16
(1,1075)	1:41:A:LEU:HD21	1:42:A:ASN:H	16	0.16
(1,1075)	1:41:A:LEU:HD22	1:42:A:ASN:H	16	0.16
(1,1075)	1:41:A:LEU:HD23	1:42:A:ASN:H	16	0.16
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	9	0.16
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	10	0.16
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	10	0.16
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	10	0.16
(1,1066)	1:69:A:MET:HB2	1:72:A:PHE:H	6	0.16
(1,1066)	1:69:A:MET:HB3	1:72:A:PHE:H	6	0.16
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	11	0.16
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	15	0.16
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	10	0.16
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	17	0.16
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	5	0.16
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	9	0.16
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	13	0.16
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	9	0.16
(1,1009)	1:58:A:GLU:HB2	1:59:A:VAL:H	3	0.16
(1,1009)	1:58:A:GLU:HB2	1:59:A:VAL:H	20	0.16
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	15	0.16
(1,991)	1:73:A:GLU:H	1:73:A:GLU:HG3	16	0.16
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	1	0.16
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	1	0.16
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	1	0.16
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	15	0.16
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD1	5	0.16
(1,961)	1:56:A:TYR:H	1:56:A:TYR:HD2	5	0.16
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	9	0.16
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	9	0.16
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	9	0.16
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	6	0.16
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	10	0.16
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	8	0.16
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	8	0.16
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	8	0.16
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	9	0.16
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	13	0.16
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	3	0.16
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	3	0.16
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	6	0.16
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	6	0.16
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	11	0.16
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	11	0.16
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	12	0.16
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	12	0.16
(1,938)	1:80:A:HIS:H	1:80:A:HIS:HD2	7	0.16
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	11	0.16
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	11	0.16
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	6	0.16
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	6	0.16
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	13	0.16
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	13	0.16
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	13	0.16
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD1	4	0.16
(1,921)	1:11:A:PHE:HA	1:11:A:PHE:HD2	4	0.16
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	18	0.16
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	18	0.16
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE1	3	0.16
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE2	3	0.16
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	10	0.16
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	10	0.16
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	10	0.16
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD11	20	0.16
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD12	20	0.16
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD13	20	0.16
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD11	20	0.16
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD12	20	0.16
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD13	20	0.16
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD11	20	0.16
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD12	20	0.16
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD13	20	0.16
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	4	0.16
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	4	0.16
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	4	0.16
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	12	0.16
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	12	0.16
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	12	0.16
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	18	0.16
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	18	0.16
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	18	0.16
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	5	0.16
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	5	0.16
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	5	0.16
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	5	0.16
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	5	0.16
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	5	0.16
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD11	3	0.16
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD12	3	0.16
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD13	3	0.16
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD11	3	0.16
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD12	3	0.16
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD13	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	16	0.16
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	16	0.16
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	16	0.16
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD11	19	0.16
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD12	19	0.16
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD13	19	0.16
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	1	0.16
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	1	0.16
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	1	0.16
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	6	0.16
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	6	0.16
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	6	0.16
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	9	0.16
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	9	0.16
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	9	0.16
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	19	0.16
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	19	0.16
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	19	0.16
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	8	0.16
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	8	0.16
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	8	0.16
(1,858)	1:9:A:ILE:HD11	1:55:A:GLU:HG2	1	0.16
(1,858)	1:9:A:ILE:HD12	1:55:A:GLU:HG2	1	0.16
(1,858)	1:9:A:ILE:HD13	1:55:A:GLU:HG2	1	0.16
(1,858)	1:9:A:ILE:HD11	1:55:A:GLU:HG2	10	0.16
(1,858)	1:9:A:ILE:HD12	1:55:A:GLU:HG2	10	0.16
(1,858)	1:9:A:ILE:HD13	1:55:A:GLU:HG2	10	0.16
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG11	1	0.16
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG12	1	0.16
(1,855)	1:37:A:ILE:HG21	1:54:A:VAL:HG13	1	0.16
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG11	1	0.16
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG12	1	0.16
(1,855)	1:37:A:ILE:HG22	1:54:A:VAL:HG13	1	0.16
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG11	1	0.16
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG12	1	0.16
(1,855)	1:37:A:ILE:HG23	1:54:A:VAL:HG13	1	0.16
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG21	16	0.16
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG22	16	0.16
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG23	16	0.16
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG11	7	0.16
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG12	7	0.16
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG13	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG11	7	0.16
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG12	7	0.16
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG13	7	0.16
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG11	7	0.16
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG12	7	0.16
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG13	7	0.16
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	10	0.16
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	10	0.16
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	10	0.16
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	10	0.16
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	10	0.16
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	10	0.16
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	10	0.16
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	10	0.16
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	10	0.16
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	15	0.16
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	15	0.16
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	15	0.16
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	3	0.16
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	3	0.16
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	3	0.16
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG21	19	0.16
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG22	19	0.16
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG23	19	0.16
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG21	8	0.16
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG22	8	0.16
(1,776)	1:53:A:PHE:HA	1:54:A:VAL:HG23	8	0.16
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	2	0.16
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	2	0.16
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	2	0.16
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	11	0.16
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	11	0.16
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	11	0.16
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	11	0.16
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	11	0.16
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	11	0.16
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	12	0.16
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	12	0.16
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	12	0.16
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	12	0.16
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	12	0.16
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	2	0.16
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	2	0.16
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	2	0.16
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	2	0.16
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	2	0.16
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	2	0.16
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	2	0.16
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	2	0.16
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	2	0.16
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	13	0.16
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	13	0.16
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	13	0.16
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE1	9	0.16
(1,754)	1:6:A:ALA:HB1	1:83:A:TYR:HE2	9	0.16
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE1	9	0.16
(1,754)	1:6:A:ALA:HB2	1:83:A:TYR:HE2	9	0.16
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE1	9	0.16
(1,754)	1:6:A:ALA:HB3	1:83:A:TYR:HE2	9	0.16
(1,749)	1:12:A:VAL:HG21	1:54:A:VAL:H	13	0.16
(1,749)	1:12:A:VAL:HG22	1:54:A:VAL:H	13	0.16
(1,749)	1:12:A:VAL:HG23	1:54:A:VAL:H	13	0.16
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	7	0.16
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	7	0.16
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	7	0.16
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	18	0.16
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	18	0.16
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	18	0.16
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG11	13	0.16
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG12	13	0.16
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG13	13	0.16
(1,731)	1:11:A:PHE:H	1:12:A:VAL:HG21	6	0.16
(1,731)	1:11:A:PHE:H	1:12:A:VAL:HG22	6	0.16
(1,731)	1:11:A:PHE:H	1:12:A:VAL:HG23	6	0.16
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	16	0.16
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	16	0.16
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	16	0.16
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	16	0.16
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	16	0.16
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	16	0.16
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	11	0.16
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	11	0.16
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	11	0.16
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	11	0.16
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	11	0.16
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	4	0.16
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	4	0.16
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	4	0.16
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	9	0.16
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	9	0.16
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	9	0.16
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG21	6	0.16
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG22	6	0.16
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG23	6	0.16
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	6	0.16
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	6	0.16
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	6	0.16
(1,700)	1:44:A:THR:H	1:45:A:THR:HG21	3	0.16
(1,700)	1:44:A:THR:H	1:45:A:THR:HG22	3	0.16
(1,700)	1:44:A:THR:H	1:45:A:THR:HG23	3	0.16
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG21	9	0.16
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG22	9	0.16
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG23	9	0.16
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG21	19	0.16
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG22	19	0.16
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG23	19	0.16
(1,697)	1:7:A:THR:HG21	1:59:A:VAL:HG21	4	0.16
(1,697)	1:7:A:THR:HG21	1:59:A:VAL:HG22	4	0.16
(1,697)	1:7:A:THR:HG21	1:59:A:VAL:HG23	4	0.16
(1,697)	1:7:A:THR:HG22	1:59:A:VAL:HG21	4	0.16
(1,697)	1:7:A:THR:HG22	1:59:A:VAL:HG22	4	0.16
(1,697)	1:7:A:THR:HG22	1:59:A:VAL:HG23	4	0.16
(1,697)	1:7:A:THR:HG23	1:59:A:VAL:HG21	4	0.16
(1,697)	1:7:A:THR:HG23	1:59:A:VAL:HG22	4	0.16
(1,697)	1:7:A:THR:HG23	1:59:A:VAL:HG23	4	0.16
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	8	0.16
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	8	0.16
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	8	0.16
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	8	0.16
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	8	0.16
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	8	0.16
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	8	0.16
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	8	0.16
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	6	0.16
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	6	0.16
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	6	0.16
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	17	0.16
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	17	0.16
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	17	0.16
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	19	0.16
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	19	0.16
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	19	0.16
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG11	3	0.16
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG12	3	0.16
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG13	3	0.16
(1,674)	1:41:A:LEU:HD21	1:46:A:LYS:HA	7	0.16
(1,674)	1:41:A:LEU:HD22	1:46:A:LYS:HA	7	0.16
(1,674)	1:41:A:LEU:HD23	1:46:A:LYS:HA	7	0.16
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG21	12	0.16
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG22	12	0.16
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG23	12	0.16
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG21	12	0.16
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG22	12	0.16
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG23	12	0.16
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG21	17	0.16
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG22	17	0.16
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG23	17	0.16
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	9	0.16
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	9	0.16
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	9	0.16
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	7	0.16
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	7	0.16
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	7	0.16
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	9	0.16
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	9	0.16
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	9	0.16
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	19	0.16
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	19	0.16
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	19	0.16
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	19	0.16
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	19	0.16
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	19	0.16
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	19	0.16
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	19	0.16
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	16	0.16
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	16	0.16
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	16	0.16
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	16	0.16
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	16	0.16
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	16	0.16
(1,634)	1:10:A:LEU:HD21	1:66:A:LEU:H	16	0.16
(1,634)	1:10:A:LEU:HD22	1:66:A:LEU:H	16	0.16
(1,634)	1:10:A:LEU:HD23	1:66:A:LEU:H	16	0.16
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	18	0.16
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	18	0.16
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	18	0.16
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	19	0.16
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	19	0.16
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	19	0.16
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD11	3	0.16
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD12	3	0.16
(1,611)	1:6:A:ALA:H	1:66:A:LEU:HD13	3	0.16
(1,601)	1:19:A:ILE:HD11	1:41:A:LEU:HD11	9	0.16
(1,601)	1:19:A:ILE:HD11	1:41:A:LEU:HD12	9	0.16
(1,601)	1:19:A:ILE:HD11	1:41:A:LEU:HD13	9	0.16
(1,601)	1:19:A:ILE:HD12	1:41:A:LEU:HD11	9	0.16
(1,601)	1:19:A:ILE:HD12	1:41:A:LEU:HD12	9	0.16
(1,601)	1:19:A:ILE:HD12	1:41:A:LEU:HD13	9	0.16
(1,601)	1:19:A:ILE:HD13	1:41:A:LEU:HD11	9	0.16
(1,601)	1:19:A:ILE:HD13	1:41:A:LEU:HD12	9	0.16
(1,601)	1:19:A:ILE:HD13	1:41:A:LEU:HD13	9	0.16
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	18	0.16
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	18	0.16
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	18	0.16
(1,586)	1:15:A:ILE:HG12	1:52:A:ALA:HB1	14	0.16
(1,586)	1:15:A:ILE:HG12	1:52:A:ALA:HB2	14	0.16
(1,586)	1:15:A:ILE:HG12	1:52:A:ALA:HB3	14	0.16
(1,586)	1:15:A:ILE:HG13	1:52:A:ALA:HB1	14	0.16
(1,586)	1:15:A:ILE:HG13	1:52:A:ALA:HB2	14	0.16
(1,586)	1:15:A:ILE:HG13	1:52:A:ALA:HB3	14	0.16
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	4	0.16
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	4	0.16
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	4	0.16
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	4	0.16
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	4	0.16
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	19	0.16
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	19	0.16
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	19	0.16
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	19	0.16
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	19	0.16
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	19	0.16
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	15	0.16
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	15	0.16
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	6	0.16
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	6	0.16
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	6	0.16
(1,572)	1:66:A:LEU:HD21	1:82:A:ASN:HB3	7	0.16
(1,572)	1:66:A:LEU:HD22	1:82:A:ASN:HB3	7	0.16
(1,572)	1:66:A:LEU:HD23	1:82:A:ASN:HB3	7	0.16
(1,571)	1:66:A:LEU:HD21	1:82:A:ASN:HB2	9	0.16
(1,571)	1:66:A:LEU:HD22	1:82:A:ASN:HB2	9	0.16
(1,571)	1:66:A:LEU:HD23	1:82:A:ASN:HB2	9	0.16
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	1	0.16
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	1	0.16
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	7	0.16
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	7	0.16
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	4	0.16
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	4	0.16
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	11	0.16
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	11	0.16
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	1	0.16
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	4	0.16
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	4	0.16
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	4	0.16
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	4	0.16
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	7	0.16
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	7	0.16
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	19	0.16
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	19	0.16
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	20	0.16
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	20	0.16
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD2	9	0.16
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD3	9	0.16
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	7	0.16
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	7	0.16
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	1	0.16
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	1	0.16
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	1	0.16
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	1	0.16
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	1	0.16
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	16	0.16
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	16	0.16
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	16	0.16
(1,504)	1:64:A:HIS:HB3	1:65:A:ALA:H	10	0.16
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	2	0.16
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	16	0.16
(1,501)	1:64:A:HIS:HB2	1:65:A:ALA:H	19	0.16
(1,497)	1:21:A:GLU:H	1:21:A:GLU:HB3	12	0.16
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	7	0.16
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	7	0.16
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	7	0.16
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	7	0.16
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	7	0.16
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	7	0.16
(1,495)	1:20:A:ASP:HB3	1:21:A:GLU:HB2	18	0.16
(1,480)	1:73:A:GLU:HB2	1:74:A:LEU:H	8	0.16
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	8	0.16
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	16	0.16
(1,469)	1:35:A:ARG:HB3	1:55:A:GLU:HB2	3	0.16
(1,469)	1:35:A:ARG:HB3	1:55:A:GLU:HB2	10	0.16
(1,469)	1:35:A:ARG:HB3	1:55:A:GLU:HB2	18	0.16
(1,468)	1:36:A:ASN:HB2	1:55:A:GLU:HB2	6	0.16
(1,468)	1:36:A:ASN:HB2	1:55:A:GLU:HB2	20	0.16
(1,459)	1:22:A:LYS:HB2	1:23:A:SER:H	10	0.16
(1,459)	1:22:A:LYS:HB3	1:23:A:SER:H	10	0.16
(1,459)	1:22:A:LYS:HB2	1:23:A:SER:H	13	0.16
(1,459)	1:22:A:LYS:HB3	1:23:A:SER:H	13	0.16
(1,459)	1:22:A:LYS:HB2	1:23:A:SER:H	15	0.16
(1,459)	1:22:A:LYS:HB3	1:23:A:SER:H	15	0.16
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB2	16	0.16
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB3	16	0.16
(1,453)	1:36:A:ASN:H	1:55:A:GLU:HB2	18	0.16
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG21	2	0.16
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG22	2	0.16
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG23	2	0.16
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	8	0.16
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	8	0.16
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	10	0.16
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	1	0.16
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	1	0.16
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	2	0.16
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	2	0.16
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	13	0.16
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	13	0.16
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	17	0.16
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	17	0.16
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	3	0.16
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	3	0.16
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	6	0.16
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	6	0.16
(1,427)	1:85:A:LYS:H	1:85:A:LYS:HB2	14	0.16
(1,426)	1:85:A:LYS:HB2	1:86:A:THR:H	18	0.16
(1,409)	1:57:A:VAL:HG11	1:58:A:GLU:HG3	1	0.16
(1,409)	1:57:A:VAL:HG12	1:58:A:GLU:HG3	1	0.16
(1,409)	1:57:A:VAL:HG13	1:58:A:GLU:HG3	1	0.16
(1,409)	1:57:A:VAL:HG11	1:58:A:GLU:HG3	20	0.16
(1,409)	1:57:A:VAL:HG12	1:58:A:GLU:HG3	20	0.16
(1,409)	1:57:A:VAL:HG13	1:58:A:GLU:HG3	20	0.16
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	17	0.16
(1,394)	1:55:A:GLU:H	1:55:A:GLU:HG3	5	0.16
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	12	0.16
(1,387)	1:17:A:GLU:HG3	1:18:A:THR:H	2	0.16
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG21	11	0.16
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG22	11	0.16
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG23	11	0.16
(1,333)	1:27:A:ILE:H	1:27:A:ILE:HB	20	0.16
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB1	4	0.16
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB2	4	0.16
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB3	4	0.16
(1,317)	1:8:A:ASP:HB2	1:59:A:VAL:HA	16	0.16
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	17	0.16
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	1	0.16
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	10	0.16
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	19	0.16
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	1	0.16
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	12	0.16
(1,306)	1:9:A:ILE:HB	1:84:A:SER:HB2	13	0.16
(1,306)	1:9:A:ILE:HB	1:84:A:SER:HB3	13	0.16
(1,300)	1:9:A:ILE:HB	1:10:A:LEU:H	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	14	0.16
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	2	0.16
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	13	0.16
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	11	0.16
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	11	0.16
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	14	0.16
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	14	0.16
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	9	0.16
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	15	0.16
(1,269)	1:72:A:PHE:HB2	1:73:A:GLU:H	5	0.16
(1,260)	1:6:A:ALA:HB1	1:63:A:LYS:HE2	17	0.16
(1,260)	1:6:A:ALA:HB1	1:63:A:LYS:HE3	17	0.16
(1,260)	1:6:A:ALA:HB2	1:63:A:LYS:HE2	17	0.16
(1,260)	1:6:A:ALA:HB2	1:63:A:LYS:HE3	17	0.16
(1,260)	1:6:A:ALA:HB3	1:63:A:LYS:HE2	17	0.16
(1,260)	1:6:A:ALA:HB3	1:63:A:LYS:HE3	17	0.16
(1,258)	1:21:A:GLU:HB3	1:22:A:LYS:HE2	19	0.16
(1,258)	1:21:A:GLU:HB3	1:22:A:LYS:HE3	19	0.16
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	13	0.16
(1,247)	1:11:A:PHE:HE1	1:51:A:PHE:HB3	10	0.16
(1,247)	1:11:A:PHE:HE2	1:51:A:PHE:HB3	10	0.16
(1,244)	1:36:A:ASN:H	1:36:A:ASN:HB2	7	0.16
(1,242)	1:20:A:ASP:HB3	1:22:A:LYS:H	9	0.16
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	6	0.16
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	13	0.16
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	14	0.16
(1,221)	1:35:A:ARG:HD2	1:55:A:GLU:HB2	18	0.16
(1,221)	1:35:A:ARG:HD3	1:55:A:GLU:HB2	18	0.16
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA2	12	0.16
(1,220)	1:12:A:VAL:HG11	1:13:A:GLY:HA3	12	0.16
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA2	12	0.16
(1,220)	1:12:A:VAL:HG12	1:13:A:GLY:HA3	12	0.16
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA2	12	0.16
(1,220)	1:12:A:VAL:HG13	1:13:A:GLY:HA3	12	0.16
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	3	0.16
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	4	0.16
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	14	0.16
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	5	0.16
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	5	0.16
(1,203)	1:32:A:GLY:HA3	1:61:A:ASP:HB2	6	0.16
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG2	12	0.16
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG2	15	0.16
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG3	15	0.16
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	8	0.16
(1,184)	1:38:A:GLU:HG3	1:40:A:PRO:HD2	19	0.16
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE1	13	0.16
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE2	13	0.16
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	1	0.16
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	1	0.16
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	1	0.16
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	8	0.16
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	11	0.16
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	11	0.16
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	18	0.16
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	18	0.16
(1,167)	1:15:A:ILE:HD11	1:48:A:ASN:HA	12	0.16
(1,167)	1:15:A:ILE:HD12	1:48:A:ASN:HA	12	0.16
(1,167)	1:15:A:ILE:HD13	1:48:A:ASN:HA	12	0.16
(1,164)	1:16:A:ASP:HA	1:17:A:GLU:H	4	0.16
(1,164)	1:16:A:ASP:HA	1:17:A:GLU:H	11	0.16
(1,161)	1:75:A:ASN:HA	1:76:A:GLY:H	6	0.16
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	12	0.16
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	5	0.16
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	16	0.16
(1,147)	1:14:A:GLY:H	1:51:A:PHE:HA	12	0.16
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG21	8	0.16
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG22	8	0.16
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG23	8	0.16
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	13	0.16
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	7	0.16
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	11	0.16
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	15	0.16
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	12	0.16
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	12	0.16
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	10	0.16
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	10	0.16
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	10	0.16
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	19	0.16
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	19	0.16
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	19	0.16
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD2	6	0.16
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD3	6	0.16
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	4	0.16
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	4	0.16
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	15	0.16
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	16	0.16
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	8	0.16
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	18	0.16
(1,74)	1:13:A:GLY:H	1:81:A:VAL:HA	15	0.16
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	5	0.16
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	6	0.16
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	16	0.16
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	16	0.16
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	16	0.16
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	5	0.16
(1,51)	1:23:A:SER:HA	1:26:A:ASP:H	5	0.16
(1,50)	1:23:A:SER:HA	1:26:A:ASP:HB3	2	0.16
(1,50)	1:23:A:SER:HA	1:26:A:ASP:HB3	7	0.16
(1,50)	1:23:A:SER:HA	1:26:A:ASP:HB3	13	0.16
(1,47)	1:29:A:SER:HB2	1:34:A:ILE:HG13	14	0.16
(1,44)	1:30:A:SER:HB2	1:31:A:PHE:H	19	0.16
(1,37)	1:20:A:ASP:H	1:23:A:SER:HB3	9	0.16
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	18	0.16
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	18	0.16
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	6	0.16
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	6	0.16
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	6	0.16
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	20	0.16
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	20	0.16
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	20	0.16
(1,26)	1:9:A:ILE:HD11	1:86:A:THR:HA	19	0.16
(1,26)	1:9:A:ILE:HD12	1:86:A:THR:HA	19	0.16
(1,26)	1:9:A:ILE:HD13	1:86:A:THR:HA	19	0.16
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB2	13	0.16
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB3	13	0.16
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB2	4	0.16
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB3	4	0.16
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB2	4	0.16
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB3	4	0.16
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB2	10	0.16
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB3	10	0.16
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB2	10	0.16
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB3	10	0.16
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	20	0.16
(1,11)	1:42:A:ASN:HD21	1:44:A:THR:HB	17	0.16
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	19	0.15
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	19	0.15
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	19	0.15
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	19	0.15
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	19	0.15
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	19	0.15
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	12	0.15
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD11	19	0.15
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD12	19	0.15
(1,1530)	1:16:A:ASP:HA	1:19:A:ILE:HD13	19	0.15
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	5	0.15
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	5	0.15
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	5	0.15
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG21	17	0.15
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG22	17	0.15
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG23	17	0.15
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG21	17	0.15
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG22	17	0.15
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG23	17	0.15
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG21	17	0.15
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG22	17	0.15
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG23	17	0.15
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD11	14	0.15
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD12	14	0.15
(1,1523)	1:79:A:ILE:HA	1:79:A:ILE:HD13	14	0.15
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	17	0.15
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	17	0.15
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	17	0.15
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	17	0.15
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	17	0.15
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	17	0.15
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD11	1	0.15
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD12	1	0.15
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD13	1	0.15
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD11	17	0.15
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD12	17	0.15
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD13	17	0.15
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	15	0.15
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	15	0.15
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	16	0.15
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	16	0.15
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	16	0.15
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	2	0.15
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	2	0.15
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	2	0.15
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	2	0.15
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	2	0.15
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	2	0.15
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	10	0.15
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	10	0.15
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	10	0.15
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	10	0.15
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	10	0.15
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	10	0.15
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG21	17	0.15
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG22	17	0.15
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG23	17	0.15
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG21	17	0.15
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG22	17	0.15
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG23	17	0.15
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	2	0.15
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	2	0.15
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	2	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	19	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	19	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	19	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	19	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	19	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	19	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	20	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	20	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	20	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	20	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	20	0.15
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	20	0.15
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	19	0.15
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	19	0.15
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	19	0.15
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	19	0.15
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	19	0.15
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	15	0.15
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	15	0.15
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	15	0.15
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	15	0.15
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	15	0.15
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	15	0.15
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG21	4	0.15
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG22	4	0.15
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG23	4	0.15
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG21	4	0.15
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG22	4	0.15
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG23	4	0.15
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG21	4	0.15
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG22	4	0.15
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG23	4	0.15
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD11	6	0.15
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD12	6	0.15
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD13	6	0.15
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD11	6	0.15
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD12	6	0.15
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD13	6	0.15
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD11	6	0.15
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD12	6	0.15
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD13	6	0.15
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	2	0.15
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	2	0.15
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	2	0.15
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	19	0.15
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	19	0.15
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	19	0.15
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	3	0.15
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	3	0.15
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	3	0.15
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	3	0.15
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	5	0.15
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	5	0.15
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	5	0.15
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	5	0.15
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	14	0.15
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	14	0.15
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	14	0.15
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	20	0.15
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	20	0.15
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	20	0.15
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	20	0.15
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	7	0.15
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	7	0.15
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	2	0.15
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	2	0.15
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD11	2	0.15
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD12	2	0.15
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD13	2	0.15
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD11	18	0.15
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD12	18	0.15
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD13	18	0.15
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	18	0.15
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	18	0.15
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD2	18	0.15
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD3	18	0.15
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD2	18	0.15
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD3	18	0.15
(1,1449)	1:38:A:GLU:HG3	1:53:A:PHE:HD1	5	0.15
(1,1449)	1:38:A:GLU:HG3	1:53:A:PHE:HD2	5	0.15
(1,1448)	1:17:A:GLU:HG3	1:18:A:THR:HB	2	0.15
(1,1444)	1:41:A:LEU:HD21	1:48:A:ASN:HB2	10	0.15
(1,1444)	1:41:A:LEU:HD22	1:48:A:ASN:HB2	10	0.15
(1,1444)	1:41:A:LEU:HD23	1:48:A:ASN:HB2	10	0.15
(1,1444)	1:41:A:LEU:HD21	1:48:A:ASN:HB2	17	0.15
(1,1444)	1:41:A:LEU:HD22	1:48:A:ASN:HB2	17	0.15
(1,1444)	1:41:A:LEU:HD23	1:48:A:ASN:HB2	17	0.15
(1,1431)	1:50:A:GLY:HA3	1:51:A:PHE:HB2	2	0.15
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE2	8	0.15
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE3	8	0.15
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD11	16	0.15
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD12	16	0.15
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD13	16	0.15
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD11	17	0.15
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD12	17	0.15
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD13	17	0.15
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG11	4	0.15
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG12	4	0.15
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG13	4	0.15
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG21	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG22	4	0.15
(1,1421)	1:20:A:ASP:HA	1:39:A:VAL:HG23	4	0.15
(1,1420)	1:81:A:VAL:HG11	1:82:A:ASN:HA	15	0.15
(1,1420)	1:81:A:VAL:HG12	1:82:A:ASN:HA	15	0.15
(1,1420)	1:81:A:VAL:HG13	1:82:A:ASN:HA	15	0.15
(1,1412)	1:79:A:ILE:HD11	1:80:A:HIS:HA	18	0.15
(1,1412)	1:79:A:ILE:HD12	1:80:A:HIS:HA	18	0.15
(1,1412)	1:79:A:ILE:HD13	1:80:A:HIS:HA	18	0.15
(1,1408)	1:65:A:ALA:HA	1:68:A:ASN:HB2	18	0.15
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	12	0.15
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	12	0.15
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	16	0.15
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	16	0.15
(1,1400)	1:1:A:MET:HA	1:1:A:MET:HG2	10	0.15
(1,1397)	1:11:A:PHE:HB2	1:53:A:PHE:HA	6	0.15
(1,1397)	1:11:A:PHE:HB3	1:53:A:PHE:HA	6	0.15
(1,1395)	1:41:A:LEU:HB3	1:46:A:LYS:HA	19	0.15
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB2	4	0.15
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB3	4	0.15
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB2	5	0.15
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB3	5	0.15
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	12	0.15
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	15	0.15
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD1	17	0.15
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD2	17	0.15
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	15	0.15
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	5	0.15
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	8	0.15
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	13	0.15
(1,1347)	1:76:A:GLY:H	1:77:A:LYS:HB2	2	0.15
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	13	0.15
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	13	0.15
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	13	0.15
(1,1337)	1:14:A:GLY:H	1:52:A:ALA:H	1	0.15
(1,1337)	1:14:A:GLY:H	1:52:A:ALA:H	20	0.15
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	1	0.15
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	2	0.15
(1,1331)	1:50:A:GLY:H	1:51:A:PHE:H	19	0.15
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	18	0.15
(1,1329)	1:49:A:ARG:H	1:50:A:GLY:H	19	0.15
(1,1315)	1:11:A:PHE:HE1	1:13:A:GLY:H	12	0.15
(1,1315)	1:11:A:PHE:HE2	1:13:A:GLY:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:75:A:ASN:HA	1:75:A:ASN:HD22	3	0.15
(1,1305)	1:74:A:LEU:HD21	1:75:A:ASN:HD22	20	0.15
(1,1305)	1:74:A:LEU:HD22	1:75:A:ASN:HD22	20	0.15
(1,1305)	1:74:A:LEU:HD23	1:75:A:ASN:HD22	20	0.15
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	9	0.15
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	9	0.15
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	10	0.15
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	10	0.15
(1,1298)	1:4:A:ASN:HD21	1:83:A:TYR:H	20	0.15
(1,1293)	1:68:A:ASN:HD22	1:69:A:MET:HA	11	0.15
(1,1279)	1:48:A:ASN:HD22	1:51:A:PHE:H	2	0.15
(1,1278)	1:66:A:LEU:HB3	1:68:A:ASN:H	18	0.15
(1,1276)	1:36:A:ASN:H	1:55:A:GLU:H	6	0.15
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	9	0.15
(1,1258)	1:23:A:SER:HB2	1:27:A:ILE:H	8	0.15
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	2	0.15
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	12	0.15
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG2	4	0.15
(1,1252)	1:69:A:MET:H	1:69:A:MET:HG3	4	0.15
(1,1250)	1:67:A:TYR:H	1:69:A:MET:H	3	0.15
(1,1248)	1:38:A:GLU:HG2	1:53:A:PHE:H	14	0.15
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	15	0.15
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	19	0.15
(1,1227)	1:65:A:ALA:H	1:67:A:TYR:H	9	0.15
(1,1227)	1:65:A:ALA:H	1:67:A:TYR:H	13	0.15
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	9	0.15
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	14	0.15
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	20	0.15
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB2	15	0.15
(1,1224)	1:63:A:LYS:H	1:63:A:LYS:HB3	15	0.15
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	3	0.15
(1,1220)	1:62:A:ALA:H	1:63:A:LYS:H	5	0.15
(1,1216)	1:17:A:GLU:HB2	1:48:A:ASN:HD21	6	0.15
(1,1216)	1:17:A:GLU:HB3	1:48:A:ASN:HD21	6	0.15
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	1	0.15
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	16	0.15
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	20	0.15
(1,1202)	1:46:A:LYS:H	1:47:A:LYS:H	14	0.15
(1,1200)	1:63:A:LYS:HD2	1:64:A:HIS:H	6	0.15
(1,1200)	1:63:A:LYS:HD3	1:64:A:HIS:H	6	0.15
(1,1197)	1:63:A:LYS:H	1:64:A:HIS:H	20	0.15
(1,1193)	1:70:A:ASN:H	1:71:A:ASN:HD22	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1182)	1:47:A:LYS:HD2	1:48:A:ASN:H	9	0.15
(1,1182)	1:47:A:LYS:HD3	1:48:A:ASN:H	9	0.15
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	1	0.15
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	11	0.15
(1,1148)	1:19:A:ILE:HA	1:24:A:LEU:H	1	0.15
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	12	0.15
(1,1145)	1:3:A:ASP:H	1:4:A:ASN:H	15	0.15
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG21	8	0.15
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG22	8	0.15
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG23	8	0.15
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	4	0.15
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	6	0.15
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	8	0.15
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	13	0.15
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	17	0.15
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	17	0.15
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	17	0.15
(1,1083)	1:39:A:VAL:HG11	1:52:A:ALA:H	7	0.15
(1,1083)	1:39:A:VAL:HG12	1:52:A:ALA:H	7	0.15
(1,1083)	1:39:A:VAL:HG13	1:52:A:ALA:H	7	0.15
(1,1083)	1:39:A:VAL:HG21	1:52:A:ALA:H	7	0.15
(1,1083)	1:39:A:VAL:HG22	1:52:A:ALA:H	7	0.15
(1,1083)	1:39:A:VAL:HG23	1:52:A:ALA:H	7	0.15
(1,1083)	1:39:A:VAL:HG11	1:52:A:ALA:H	15	0.15
(1,1083)	1:39:A:VAL:HG12	1:52:A:ALA:H	15	0.15
(1,1083)	1:39:A:VAL:HG13	1:52:A:ALA:H	15	0.15
(1,1083)	1:39:A:VAL:HG21	1:52:A:ALA:H	15	0.15
(1,1083)	1:39:A:VAL:HG22	1:52:A:ALA:H	15	0.15
(1,1083)	1:39:A:VAL:HG23	1:52:A:ALA:H	15	0.15
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	6	0.15
(1,1081)	1:77:A:LYS:H	1:77:A:LYS:HB2	1	0.15
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	3	0.15
(1,1072)	1:69:A:MET:HB2	1:71:A:ASN:H	16	0.15
(1,1072)	1:69:A:MET:HB3	1:71:A:ASN:H	16	0.15
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	12	0.15
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	11	0.15
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	11	0.15
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	11	0.15
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD11	18	0.15
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD12	18	0.15
(1,1033)	1:25:A:TYR:H	1:37:A:ILE:HD13	18	0.15
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	20	0.15
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	5	0.15
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	10	0.15
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	14	0.15
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	14	0.15
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	13	0.15
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	20	0.15
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE2	17	0.15
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE3	17	0.15
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	1	0.15
(1,992)	1:73:A:GLU:H	1:78:A:ARG:HD2	1	0.15
(1,992)	1:73:A:GLU:H	1:78:A:ARG:HD3	1	0.15
(1,991)	1:73:A:GLU:H	1:73:A:GLU:HG3	3	0.15
(1,982)	1:38:A:GLU:HG2	1:39:A:VAL:H	5	0.15
(1,982)	1:38:A:GLU:HG2	1:39:A:VAL:H	13	0.15
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB1	2	0.15
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB2	2	0.15
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB3	2	0.15
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	11	0.15
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	16	0.15
(1,964)	1:56:A:TYR:H	1:57:A:VAL:H	14	0.15
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	4	0.15
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	11	0.15
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	11	0.15
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	11	0.15
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	12	0.15
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	10	0.15
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	10	0.15
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	10	0.15
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	10	0.15
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	10	0.15
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	10	0.15
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	3	0.15
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	3	0.15
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	20	0.15
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	20	0.15
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	7	0.15
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	7	0.15
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	4	0.15
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	4	0.15
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	12	0.15
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	12	0.15
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	12	0.15
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	12	0.15
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	12	0.15
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD1	12	0.15
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD2	12	0.15
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD1	12	0.15
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD2	12	0.15
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD1	12	0.15
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD2	12	0.15
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	5	0.15
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	5	0.15
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	7	0.15
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	7	0.15
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	18	0.15
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	18	0.15
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE1	3	0.15
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE2	3	0.15
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE1	10	0.15
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE2	10	0.15
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	1	0.15
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	1	0.15
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	1	0.15
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	1	0.15
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	15	0.15
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	15	0.15
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	15	0.15
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	15	0.15
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	16	0.15
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	16	0.15
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	16	0.15
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	16	0.15
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE1	20	0.15
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE2	20	0.15
(1,917)	1:51:A:PHE:HD1	1:52:A:ALA:HA	5	0.15
(1,917)	1:51:A:PHE:HD2	1:52:A:ALA:HA	5	0.15
(1,917)	1:51:A:PHE:HD1	1:52:A:ALA:HA	6	0.15
(1,917)	1:51:A:PHE:HD2	1:52:A:ALA:HA	6	0.15
(1,917)	1:51:A:PHE:HD1	1:52:A:ALA:HA	14	0.15
(1,917)	1:51:A:PHE:HD2	1:52:A:ALA:HA	14	0.15
(1,917)	1:51:A:PHE:HD1	1:52:A:ALA:HA	15	0.15
(1,917)	1:51:A:PHE:HD2	1:52:A:ALA:HA	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	5	0.15
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	5	0.15
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	5	0.15
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	8	0.15
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	8	0.15
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	8	0.15
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	8	0.15
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	8	0.15
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	8	0.15
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	15	0.15
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	15	0.15
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	15	0.15
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	15	0.15
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	15	0.15
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	15	0.15
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD11	19	0.15
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD12	19	0.15
(1,892)	1:28:A:PHE:HD1	1:34:A:ILE:HD13	19	0.15
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD11	19	0.15
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD12	19	0.15
(1,892)	1:28:A:PHE:HD2	1:34:A:ILE:HD13	19	0.15
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD11	18	0.15
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD12	18	0.15
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD13	18	0.15
(1,879)	1:72:A:PHE:HB3	1:79:A:ILE:HD11	4	0.15
(1,879)	1:72:A:PHE:HB3	1:79:A:ILE:HD12	4	0.15
(1,879)	1:72:A:PHE:HB3	1:79:A:ILE:HD13	4	0.15
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	13	0.15
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	13	0.15
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	13	0.15
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	17	0.15
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	17	0.15
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	17	0.15
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	7	0.15
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	7	0.15
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	7	0.15
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD11	18	0.15
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD12	18	0.15
(1,871)	1:37:A:ILE:H	1:37:A:ILE:HD13	18	0.15
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD11	14	0.15
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD12	14	0.15
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD13	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD11	13	0.15
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD12	13	0.15
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD13	13	0.15
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD11	16	0.15
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD12	16	0.15
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD13	16	0.15
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	7	0.15
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	7	0.15
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	7	0.15
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	7	0.15
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	7	0.15
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	7	0.15
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	9	0.15
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	9	0.15
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	9	0.15
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE1	11	0.15
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE2	11	0.15
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE1	11	0.15
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE2	11	0.15
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE1	11	0.15
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE2	11	0.15
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	5	0.15
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	5	0.15
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	5	0.15
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	6	0.15
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	6	0.15
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	6	0.15
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	13	0.15
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	13	0.15
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	13	0.15
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	2	0.15
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	2	0.15
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	2	0.15
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	19	0.15
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	19	0.15
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	19	0.15
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	6	0.15
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	6	0.15
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	6	0.15
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	6	0.15
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	6	0.15
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	6	0.15
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	6	0.15
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	6	0.15
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	12	0.15
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	12	0.15
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	12	0.15
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	12	0.15
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	12	0.15
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	12	0.15
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	12	0.15
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	12	0.15
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	12	0.15
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	20	0.15
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	20	0.15
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	20	0.15
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	20	0.15
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	20	0.15
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	20	0.15
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	20	0.15
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	20	0.15
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	20	0.15
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	18	0.15
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	18	0.15
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	18	0.15
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	7	0.15
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	7	0.15
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	7	0.15
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	7	0.15
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	7	0.15
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	7	0.15
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	15	0.15
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	15	0.15
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	15	0.15
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	15	0.15
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	15	0.15
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	15	0.15
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB1	5	0.15
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB2	5	0.15
(1,760)	1:10:A:LEU:HD21	1:65:A:ALA:HB3	5	0.15
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB1	5	0.15
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB2	5	0.15
(1,760)	1:10:A:LEU:HD22	1:65:A:ALA:HB3	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB1	5	0.15
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB2	5	0.15
(1,760)	1:10:A:LEU:HD23	1:65:A:ALA:HB3	5	0.15
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	13	0.15
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	13	0.15
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	13	0.15
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	13	0.15
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	13	0.15
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	13	0.15
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	13	0.15
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	13	0.15
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	13	0.15
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	2	0.15
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	2	0.15
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	2	0.15
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	4	0.15
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	4	0.15
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	4	0.15
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	12	0.15
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	12	0.15
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	12	0.15
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	13	0.15
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	13	0.15
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	13	0.15
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG11	14	0.15
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG12	14	0.15
(1,740)	1:10:A:LEU:H	1:54:A:VAL:HG13	14	0.15
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG11	10	0.15
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG12	10	0.15
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG13	10	0.15
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG21	5	0.15
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG22	5	0.15
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG23	5	0.15
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG21	9	0.15
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG22	9	0.15
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG23	9	0.15
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	2	0.15
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	2	0.15
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	2	0.15
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	5	0.15
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	5	0.15
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	18	0.15
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	18	0.15
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	18	0.15
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG11	19	0.15
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG12	19	0.15
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG13	19	0.15
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	12	0.15
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	12	0.15
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	12	0.15
(1,698)	1:45:A:THR:H	1:45:A:THR:HG21	7	0.15
(1,698)	1:45:A:THR:H	1:45:A:THR:HG22	7	0.15
(1,698)	1:45:A:THR:H	1:45:A:THR:HG23	7	0.15
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	3	0.15
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	3	0.15
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	3	0.15
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG11	7	0.15
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG12	7	0.15
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG13	7	0.15
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG11	14	0.15
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG12	14	0.15
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG13	14	0.15
(1,677)	1:18:A:THR:HG21	1:19:A:ILE:HD11	17	0.15
(1,677)	1:18:A:THR:HG21	1:19:A:ILE:HD12	17	0.15
(1,677)	1:18:A:THR:HG21	1:19:A:ILE:HD13	17	0.15
(1,677)	1:18:A:THR:HG22	1:19:A:ILE:HD11	17	0.15
(1,677)	1:18:A:THR:HG22	1:19:A:ILE:HD12	17	0.15
(1,677)	1:18:A:THR:HG22	1:19:A:ILE:HD13	17	0.15
(1,677)	1:18:A:THR:HG23	1:19:A:ILE:HD11	17	0.15
(1,677)	1:18:A:THR:HG23	1:19:A:ILE:HD12	17	0.15
(1,677)	1:18:A:THR:HG23	1:19:A:ILE:HD13	17	0.15
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD21	1	0.15
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD22	1	0.15
(1,676)	1:19:A:ILE:HD11	1:41:A:LEU:HD23	1	0.15
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD21	1	0.15
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD22	1	0.15
(1,676)	1:19:A:ILE:HD12	1:41:A:LEU:HD23	1	0.15
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD21	1	0.15
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD22	1	0.15
(1,676)	1:19:A:ILE:HD13	1:41:A:LEU:HD23	1	0.15
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	18	0.15
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	18	0.15
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	9	0.15
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	9	0.15
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	9	0.15
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG21	14	0.15
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG22	14	0.15
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG23	14	0.15
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	12	0.15
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	12	0.15
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	12	0.15
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	17	0.15
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	17	0.15
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	17	0.15
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	5	0.15
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	5	0.15
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	5	0.15
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	6	0.15
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	6	0.15
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	6	0.15
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	6	0.15
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	6	0.15
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	6	0.15
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	16	0.15
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	16	0.15
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	16	0.15
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	14	0.15
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	14	0.15
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	14	0.15
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	6	0.15
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	6	0.15
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	6	0.15
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	6	0.15
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	6	0.15
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	6	0.15
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	6	0.15
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	6	0.15
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	6	0.15
(1,633)	1:10:A:LEU:HD11	1:54:A:VAL:HG21	14	0.15
(1,633)	1:10:A:LEU:HD11	1:54:A:VAL:HG22	14	0.15
(1,633)	1:10:A:LEU:HD11	1:54:A:VAL:HG23	14	0.15
(1,633)	1:10:A:LEU:HD12	1:54:A:VAL:HG21	14	0.15
(1,633)	1:10:A:LEU:HD12	1:54:A:VAL:HG22	14	0.15
(1,633)	1:10:A:LEU:HD12	1:54:A:VAL:HG23	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:10:A:LEU:HD13	1:54:A:VAL:HG21	14	0.15
(1,633)	1:10:A:LEU:HD13	1:54:A:VAL:HG22	14	0.15
(1,633)	1:10:A:LEU:HD13	1:54:A:VAL:HG23	14	0.15
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	19	0.15
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	19	0.15
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	19	0.15
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG11	14	0.15
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG12	14	0.15
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG13	14	0.15
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG11	14	0.15
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG12	14	0.15
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG13	14	0.15
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	10	0.15
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	10	0.15
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	10	0.15
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG2	10	0.15
(1,622)	1:85:A:LYS:H	1:85:A:LYS:HG3	10	0.15
(1,619)	1:7:A:THR:HB	1:63:A:LYS:HG2	3	0.15
(1,619)	1:7:A:THR:HB	1:63:A:LYS:HG3	3	0.15
(1,606)	1:47:A:LYS:HG2	1:48:A:ASN:H	12	0.15
(1,606)	1:47:A:LYS:HG3	1:48:A:ASN:H	12	0.15
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	15	0.15
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	15	0.15
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	15	0.15
(1,592)	1:52:A:ALA:HB1	1:53:A:PHE:H	6	0.15
(1,592)	1:52:A:ALA:HB2	1:53:A:PHE:H	6	0.15
(1,592)	1:52:A:ALA:HB3	1:53:A:PHE:H	6	0.15
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	3	0.15
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	3	0.15
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	3	0.15
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	3	0.15
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	3	0.15
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	3	0.15
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG12	19	0.15
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG13	19	0.15
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	5	0.15
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	5	0.15
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	5	0.15
(1,572)	1:66:A:LEU:HD21	1:82:A:ASN:HB3	3	0.15
(1,572)	1:66:A:LEU:HD22	1:82:A:ASN:HB3	3	0.15
(1,572)	1:66:A:LEU:HD23	1:82:A:ASN:HB3	3	0.15
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG2	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG3	15	0.15
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG21	13	0.15
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG22	13	0.15
(1,561)	1:24:A:LEU:HD11	1:54:A:VAL:HG23	13	0.15
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG21	13	0.15
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG22	13	0.15
(1,561)	1:24:A:LEU:HD12	1:54:A:VAL:HG23	13	0.15
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG21	13	0.15
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG22	13	0.15
(1,561)	1:24:A:LEU:HD13	1:54:A:VAL:HG23	13	0.15
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB1	16	0.15
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB2	16	0.15
(1,560)	1:24:A:LEU:HD11	1:52:A:ALA:HB3	16	0.15
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB1	16	0.15
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB2	16	0.15
(1,560)	1:24:A:LEU:HD12	1:52:A:ALA:HB3	16	0.15
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB1	16	0.15
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB2	16	0.15
(1,560)	1:24:A:LEU:HD13	1:52:A:ALA:HB3	16	0.15
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	6	0.15
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	20	0.15
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	20	0.15
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	20	0.15
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	13	0.15
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	13	0.15
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	13	0.15
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	13	0.15
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	14	0.15
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	14	0.15
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	14	0.15
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	14	0.15
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	2	0.15
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	2	0.15
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	17	0.15
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	17	0.15
(1,540)	1:9:A:ILE:HG12	1:55:A:GLU:HA	17	0.15
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	11	0.15
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	12	0.15
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	16	0.15
(1,533)	1:34:A:ILE:H	1:34:A:ILE:HG12	18	0.15
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	11	0.15
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	11	0.15
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	11	0.15
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD2	3	0.15
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD3	3	0.15
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	5	0.15
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	5	0.15
(1,504)	1:64:A:HIS:HB3	1:65:A:ALA:H	5	0.15
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB1	1	0.15
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB2	1	0.15
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB3	1	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	1	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	1	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	1	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	1	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	1	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	1	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	12	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	12	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	12	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	12	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	12	0.15
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	12	0.15
(1,494)	1:21:A:GLU:HB2	1:22:A:LYS:H	3	0.15
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	13	0.15
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	13	0.15
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	11	0.15
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE1	17	0.15
(1,470)	1:49:A:ARG:HB3	1:51:A:PHE:HE2	17	0.15
(1,459)	1:22:A:LYS:HB2	1:23:A:SER:H	18	0.15
(1,459)	1:22:A:LYS:HB3	1:23:A:SER:H	18	0.15
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB2	1	0.15
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB3	1	0.15
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB2	9	0.15
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB3	9	0.15
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB2	16	0.15
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB3	16	0.15
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	11	0.15
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	6	0.15
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	6	0.15
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	15	0.15
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	15	0.15
(1,435)	1:11:A:PHE:HA	1:12:A:VAL:HB	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	19	0.15
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	19	0.15
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	20	0.15
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	20	0.15
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	1	0.15
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	7	0.15
(1,405)	1:57:A:VAL:HG21	1:58:A:GLU:HG2	20	0.15
(1,405)	1:57:A:VAL:HG22	1:58:A:GLU:HG2	20	0.15
(1,405)	1:57:A:VAL:HG23	1:58:A:GLU:HG2	20	0.15
(1,400)	1:47:A:LYS:HB2	1:49:A:ARG:HG2	3	0.15
(1,400)	1:47:A:LYS:HB3	1:49:A:ARG:HG2	3	0.15
(1,400)	1:47:A:LYS:HB2	1:49:A:ARG:HG2	5	0.15
(1,400)	1:47:A:LYS:HB3	1:49:A:ARG:HG2	5	0.15
(1,400)	1:47:A:LYS:HB2	1:49:A:ARG:HG2	20	0.15
(1,400)	1:47:A:LYS:HB3	1:49:A:ARG:HG2	20	0.15
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	20	0.15
(1,387)	1:17:A:GLU:HG3	1:18:A:THR:H	9	0.15
(1,383)	1:17:A:GLU:HG2	1:18:A:THR:H	4	0.15
(1,383)	1:17:A:GLU:HG2	1:18:A:THR:H	10	0.15
(1,383)	1:17:A:GLU:HG2	1:18:A:THR:H	18	0.15
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG21	6	0.15
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG22	6	0.15
(1,379)	1:21:A:GLU:HG3	1:37:A:ILE:HG23	6	0.15
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	5	0.15
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	8	0.15
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	11	0.15
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	20	0.15
(1,338)	1:4:A:ASN:HD22	1:83:A:TYR:HB2	8	0.15
(1,336)	1:83:A:TYR:HB2	1:84:A:SER:H	20	0.15
(1,322)	1:32:A:GLY:HA2	1:61:A:ASP:HB3	1	0.15
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	9	0.15
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	15	0.15
(1,315)	1:25:A:TYR:HE1	1:34:A:ILE:HB	14	0.15
(1,315)	1:25:A:TYR:HE2	1:34:A:ILE:HB	14	0.15
(1,315)	1:25:A:TYR:HE1	1:34:A:ILE:HB	19	0.15
(1,315)	1:25:A:TYR:HE2	1:34:A:ILE:HB	19	0.15
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	2	0.15
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	2	0.15
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	16	0.15
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	16	0.15
(1,309)	1:26:A:ASP:HB2	1:27:A:ILE:H	9	0.15
(1,303)	1:26:A:ASP:H	1:26:A:ASP:HB3	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	1	0.15
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	8	0.15
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	19	0.15
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	9	0.15
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	9	0.15
(1,277)	1:34:A:ILE:HG21	1:37:A:ILE:HB	16	0.15
(1,277)	1:34:A:ILE:HG22	1:37:A:ILE:HB	16	0.15
(1,277)	1:34:A:ILE:HG23	1:37:A:ILE:HB	16	0.15
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	14	0.15
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	17	0.15
(1,264)	1:21:A:GLU:HA	1:24:A:LEU:HB2	8	0.15
(1,258)	1:21:A:GLU:HB3	1:22:A:LYS:HE2	12	0.15
(1,258)	1:21:A:GLU:HB3	1:22:A:LYS:HE3	12	0.15
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	11	0.15
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	7	0.15
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	20	0.15
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	1	0.15
(1,247)	1:11:A:PHE:HE1	1:51:A:PHE:HB3	9	0.15
(1,247)	1:11:A:PHE:HE2	1:51:A:PHE:HB3	9	0.15
(1,244)	1:36:A:ASN:H	1:36:A:ASN:HB2	1	0.15
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	9	0.15
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	4	0.15
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	12	0.15
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	20	0.15
(1,232)	1:20:A:ASP:HB3	1:21:A:GLU:H	1	0.15
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	16	0.15
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	18	0.15
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA2	9	0.15
(1,217)	1:11:A:PHE:HE1	1:13:A:GLY:HA3	9	0.15
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA2	9	0.15
(1,217)	1:11:A:PHE:HE2	1:13:A:GLY:HA3	9	0.15
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE1	17	0.15
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE2	17	0.15
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	3	0.15
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	11	0.15
(1,185)	1:40:A:PRO:HD2	1:53:A:PHE:HD1	20	0.15
(1,185)	1:40:A:PRO:HD2	1:53:A:PHE:HD2	20	0.15
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE1	6	0.15
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE2	6	0.15
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	7	0.15
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	10	0.15
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:41:A:LEU:HA	1:48:A:ASN:HA	19	0.15
(1,166)	1:8:A:ASP:HA	1:59:A:VAL:HA	16	0.15
(1,166)	1:8:A:ASP:HA	1:59:A:VAL:HA	18	0.15
(1,164)	1:16:A:ASP:HA	1:17:A:GLU:H	12	0.15
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG21	5	0.15
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG22	5	0.15
(1,155)	1:80:A:HIS:HA	1:81:A:VAL:HG23	5	0.15
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	6	0.15
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	13	0.15
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	1	0.15
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	12	0.15
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	19	0.15
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	10	0.15
(1,121)	1:24:A:LEU:HA	1:27:A:ILE:H	10	0.15
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	5	0.15
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	5	0.15
(1,118)	1:43:A:MET:HA	1:46:A:LYS:H	18	0.15
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE1	6	0.15
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE2	6	0.15
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE1	7	0.15
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE2	7	0.15
(1,109)	1:42:A:ASN:HB2	1:46:A:LYS:HA	20	0.15
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	1	0.15
(1,97)	1:17:A:GLU:HA	1:19:A:ILE:H	11	0.15
(1,97)	1:17:A:GLU:HA	1:19:A:ILE:H	12	0.15
(1,95)	1:72:A:PHE:HA	1:73:A:GLU:H	4	0.15
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	5	0.15
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	7	0.15
(1,92)	1:22:A:LYS:HA	1:25:A:TYR:HB3	8	0.15
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD2	3	0.15
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD3	3	0.15
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	2	0.15
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	9	0.15
(1,78)	1:34:A:ILE:HA	1:36:A:ASN:H	1	0.15
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	10	0.15
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	14	0.15
(1,74)	1:13:A:GLY:H	1:81:A:VAL:HA	20	0.15
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	6	0.15
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	11	0.15
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	2	0.15
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	2	0.15
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	2	0.15
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	2	0.15
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	2	0.15
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	17	0.15
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	17	0.15
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	17	0.15
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	17	0.15
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	17	0.15
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	17	0.15
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG21	3	0.15
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG22	3	0.15
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG23	3	0.15
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	8	0.15
(1,51)	1:23:A:SER:HA	1:26:A:ASP:H	11	0.15
(1,49)	1:23:A:SER:HA	1:26:A:ASP:HB2	8	0.15
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD11	1	0.15
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD12	1	0.15
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD13	1	0.15
(1,39)	1:22:A:LYS:HB2	1:23:A:SER:HB3	16	0.15
(1,39)	1:22:A:LYS:HB3	1:23:A:SER:HB3	16	0.15
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	8	0.15
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	8	0.15
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	8	0.15
(1,26)	1:9:A:ILE:HD11	1:86:A:THR:HA	10	0.15
(1,26)	1:9:A:ILE:HD12	1:86:A:THR:HA	10	0.15
(1,26)	1:9:A:ILE:HD13	1:86:A:THR:HA	10	0.15
(1,11)	1:42:A:ASN:HD21	1:44:A:THR:HB	11	0.15
(1,2)	1:86:A:THR:HA	1:86:A:THR:HB	11	0.15
(1,2)	1:86:A:THR:HA	1:86:A:THR:HB	18	0.15
(1,1532)	1:13:A:GLY:H	1:80:A:HIS:H	14	0.14
(1,1531)	1:13:A:GLY:H	1:80:A:HIS:HB2	6	0.14
(1,1527)	1:19:A:ILE:HD11	1:24:A:LEU:HG	11	0.14
(1,1527)	1:19:A:ILE:HD12	1:24:A:LEU:HG	11	0.14
(1,1527)	1:19:A:ILE:HD13	1:24:A:LEU:HG	11	0.14
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG21	14	0.14
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG22	14	0.14
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG23	14	0.14
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG21	14	0.14
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG22	14	0.14
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG23	14	0.14
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG21	14	0.14
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG22	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG23	14	0.14
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG21	20	0.14
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG22	20	0.14
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG23	20	0.14
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG21	20	0.14
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG22	20	0.14
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG23	20	0.14
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG21	20	0.14
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG22	20	0.14
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG23	20	0.14
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD11	16	0.14
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD12	16	0.14
(1,1522)	1:15:A:ILE:HA	1:79:A:ILE:HD13	16	0.14
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD11	15	0.14
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD12	15	0.14
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD13	15	0.14
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD11	14	0.14
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD12	14	0.14
(1,1515)	1:25:A:TYR:HB2	1:37:A:ILE:HD13	14	0.14
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	6	0.14
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	6	0.14
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	6	0.14
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB1	8	0.14
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB2	8	0.14
(1,1507)	1:10:A:LEU:HG	1:62:A:ALA:HB3	8	0.14
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	13	0.14
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	13	0.14
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	13	0.14
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG21	18	0.14
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG22	18	0.14
(1,1500)	1:8:A:ASP:HB2	1:59:A:VAL:HG23	18	0.14
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	5	0.14
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	5	0.14
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	5	0.14
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	5	0.14
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	5	0.14
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	5	0.14
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	7	0.14
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	7	0.14
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	7	0.14
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	7	0.14
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	7	0.14
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	13	0.14
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	13	0.14
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	13	0.14
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	13	0.14
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	13	0.14
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	13	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	11	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	11	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	11	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	11	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	11	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	11	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	17	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	17	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	17	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	17	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	17	0.14
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	17	0.14
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB2	8	0.14
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB3	8	0.14
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB2	8	0.14
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB3	8	0.14
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB2	8	0.14
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB3	8	0.14
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG21	12	0.14
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG22	12	0.14
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG23	12	0.14
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG21	12	0.14
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG22	12	0.14
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG23	12	0.14
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG21	18	0.14
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG22	18	0.14
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG23	18	0.14
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG21	18	0.14
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG22	18	0.14
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG23	18	0.14
(1,1484)	1:24:A:LEU:HD21	1:27:A:ILE:HB	15	0.14
(1,1484)	1:24:A:LEU:HD22	1:27:A:ILE:HB	15	0.14
(1,1484)	1:24:A:LEU:HD23	1:27:A:ILE:HB	15	0.14
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD21	20	0.14
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD22	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1480)	1:9:A:ILE:HB	1:10:A:LEU:HD23	20	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	7	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	7	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	7	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	7	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	8	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	8	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	8	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	8	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	10	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	10	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	10	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	10	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	15	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	15	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	15	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	15	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	16	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	16	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	16	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	16	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	18	0.14
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	18	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	18	0.14
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	18	0.14
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	8	0.14
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	8	0.14
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	17	0.14
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	17	0.14
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	13	0.14
(1,1460)	1:59:A:VAL:HA	1:63:A:LYS:HD2	11	0.14
(1,1460)	1:59:A:VAL:HA	1:63:A:LYS:HD3	11	0.14
(1,1448)	1:17:A:GLU:HG3	1:18:A:THR:HB	4	0.14
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE1	4	0.14
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE2	4	0.14
(1,1431)	1:50:A:GLY:HA3	1:51:A:PHE:HB2	3	0.14
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD2	5	0.14
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD3	5	0.14
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD11	5	0.14
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD12	5	0.14
(1,1426)	1:14:A:GLY:HA2	1:15:A:ILE:HD13	5	0.14
(1,1412)	1:79:A:ILE:HD11	1:80:A:HIS:HA	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:79:A:ILE:HD12	1:80:A:HIS:HA	9	0.14
(1,1412)	1:79:A:ILE:HD13	1:80:A:HIS:HA	9	0.14
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	7	0.14
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	7	0.14
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	7	0.14
(1,1406)	1:56:A:TYR:HE1	1:62:A:ALA:HA	2	0.14
(1,1406)	1:56:A:TYR:HE2	1:62:A:ALA:HA	2	0.14
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	4	0.14
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	4	0.14
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	19	0.14
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	19	0.14
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	17	0.14
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD1	6	0.14
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD2	6	0.14
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	16	0.14
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	16	0.14
(1,1379)	1:34:A:ILE:HA	1:56:A:TYR:HA	3	0.14
(1,1379)	1:34:A:ILE:HA	1:56:A:TYR:HA	4	0.14
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	10	0.14
(1,1338)	1:13:A:GLY:H	1:14:A:GLY:H	5	0.14
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	2	0.14
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	6	0.14
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	11	0.14
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	16	0.14
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	19	0.14
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG12	5	0.14
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG13	5	0.14
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG12	17	0.14
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG13	17	0.14
(1,1317)	1:16:A:ASP:HB2	1:18:A:THR:H	3	0.14
(1,1313)	1:13:A:GLY:H	1:81:A:VAL:HG11	14	0.14
(1,1313)	1:13:A:GLY:H	1:81:A:VAL:HG12	14	0.14
(1,1313)	1:13:A:GLY:H	1:81:A:VAL:HG13	14	0.14
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	8	0.14
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	8	0.14
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	8	0.14
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	13	0.14
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	13	0.14
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	13	0.14
(1,1291)	1:65:A:ALA:HA	1:68:A:ASN:HD21	6	0.14
(1,1290)	1:36:A:ASN:HD21	1:55:A:GLU:HB2	5	0.14
(1,1288)	1:70:A:ASN:HD22	1:71:A:ASN:H	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	5	0.14
(1,1264)	1:8:A:ASP:H	1:56:A:TYR:HB3	8	0.14
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	7	0.14
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	5	0.14
(1,1248)	1:38:A:GLU:HG2	1:53:A:PHE:H	8	0.14
(1,1237)	1:33:A:ASP:H	1:58:A:GLU:HG2	14	0.14
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	16	0.14
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	8	0.14
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	19	0.14
(1,1220)	1:62:A:ALA:H	1:63:A:LYS:H	19	0.14
(1,1200)	1:63:A:LYS:HD2	1:64:A:HIS:H	17	0.14
(1,1200)	1:63:A:LYS:HD3	1:64:A:HIS:H	17	0.14
(1,1197)	1:63:A:LYS:H	1:64:A:HIS:H	14	0.14
(1,1197)	1:63:A:LYS:H	1:64:A:HIS:H	15	0.14
(1,1193)	1:70:A:ASN:H	1:71:A:ASN:HD22	14	0.14
(1,1193)	1:70:A:ASN:H	1:71:A:ASN:HD22	20	0.14
(1,1186)	1:9:A:ILE:H	1:55:A:GLU:HG2	14	0.14
(1,1184)	1:41:A:LEU:HD21	1:48:A:ASN:H	15	0.14
(1,1184)	1:41:A:LEU:HD22	1:48:A:ASN:H	15	0.14
(1,1184)	1:41:A:LEU:HD23	1:48:A:ASN:H	15	0.14
(1,1183)	1:48:A:ASN:H	1:49:A:ARG:HG2	9	0.14
(1,1183)	1:48:A:ASN:H	1:49:A:ARG:HG2	13	0.14
(1,1182)	1:47:A:LYS:HD2	1:48:A:ASN:H	3	0.14
(1,1182)	1:47:A:LYS:HD3	1:48:A:ASN:H	3	0.14
(1,1182)	1:47:A:LYS:HD2	1:48:A:ASN:H	12	0.14
(1,1182)	1:47:A:LYS:HD3	1:48:A:ASN:H	12	0.14
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	13	0.14
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	17	0.14
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	12	0.14
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	12	0.14
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB1	12	0.14
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB2	12	0.14
(1,1168)	1:5:A:ASN:H	1:6:A:ALA:HB3	12	0.14
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	3	0.14
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	4	0.14
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	17	0.14
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	8	0.14
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	5	0.14
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB2	13	0.14
(1,1143)	1:4:A:ASN:H	1:4:A:ASN:HB3	13	0.14
(1,1141)	1:4:A:ASN:H	1:6:A:ALA:H	1	0.14
(1,1139)	1:33:A:ASP:HB2	1:57:A:VAL:H	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1139)	1:33:A:ASP:HB3	1:57:A:VAL:H	7	0.14
(1,1139)	1:33:A:ASP:HB2	1:57:A:VAL:H	12	0.14
(1,1139)	1:33:A:ASP:HB3	1:57:A:VAL:H	12	0.14
(1,1139)	1:33:A:ASP:HB2	1:57:A:VAL:H	18	0.14
(1,1139)	1:33:A:ASP:HB3	1:57:A:VAL:H	18	0.14
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	10	0.14
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	15	0.14
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG21	16	0.14
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG22	16	0.14
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG23	16	0.14
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG21	20	0.14
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG22	20	0.14
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG23	20	0.14
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	14	0.14
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	7	0.14
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	7	0.14
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	7	0.14
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB1	12	0.14
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB2	12	0.14
(1,1123)	1:61:A:ASP:H	1:62:A:ALA:HB3	12	0.14
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	5	0.14
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	7	0.14
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	9	0.14
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	20	0.14
(1,1101)	1:28:A:PHE:HB2	1:29:A:SER:H	15	0.14
(1,1096)	1:4:A:ASN:HD22	1:83:A:TYR:H	3	0.14
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	2	0.14
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	6	0.14
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	8	0.14
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	9	0.14
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	7	0.14
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	7	0.14
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	7	0.14
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	10	0.14
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	18	0.14
(1,1076)	1:11:A:PHE:H	1:82:A:ASN:H	18	0.14
(1,1074)	1:41:A:LEU:H	1:42:A:ASN:H	15	0.14
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	2	0.14
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	7	0.14
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	11	0.14
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	6	0.14
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	6	0.14
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	12	0.14
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	12	0.14
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	12	0.14
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	18	0.14
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	18	0.14
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	18	0.14
(1,1066)	1:69:A:MET:HB2	1:72:A:PHE:H	5	0.14
(1,1066)	1:69:A:MET:HB3	1:72:A:PHE:H	5	0.14
(1,1066)	1:69:A:MET:HB2	1:72:A:PHE:H	14	0.14
(1,1066)	1:69:A:MET:HB3	1:72:A:PHE:H	14	0.14
(1,1066)	1:69:A:MET:HB2	1:72:A:PHE:H	18	0.14
(1,1066)	1:69:A:MET:HB3	1:72:A:PHE:H	18	0.14
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	9	0.14
(1,1061)	1:53:A:PHE:HB2	1:54:A:VAL:H	12	0.14
(1,1057)	1:9:A:ILE:HG21	1:54:A:VAL:H	17	0.14
(1,1057)	1:9:A:ILE:HG22	1:54:A:VAL:H	17	0.14
(1,1057)	1:9:A:ILE:HG23	1:54:A:VAL:H	17	0.14
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	9	0.14
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	3	0.14
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	8	0.14
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	20	0.14
(1,1046)	1:25:A:TYR:HD1	1:37:A:ILE:H	18	0.14
(1,1046)	1:25:A:TYR:HD2	1:37:A:ILE:H	18	0.14
(1,1045)	1:36:A:ASN:HD21	1:37:A:ILE:H	16	0.14
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	8	0.14
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	8	0.14
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	12	0.14
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	18	0.14
(1,1031)	1:25:A:TYR:H	1:27:A:ILE:H	20	0.14
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	6	0.14
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	15	0.14
(1,1021)	1:70:A:ASN:HB2	1:81:A:VAL:H	12	0.14
(1,1021)	1:70:A:ASN:HB3	1:81:A:VAL:H	12	0.14
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	12	0.14
(1,999)	1:19:A:ILE:HG12	1:20:A:ASP:H	4	0.14
(1,999)	1:19:A:ILE:HG13	1:20:A:ASP:H	4	0.14
(1,999)	1:19:A:ILE:HG12	1:20:A:ASP:H	7	0.14
(1,999)	1:19:A:ILE:HG13	1:20:A:ASP:H	7	0.14
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE2	15	0.14
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE3	15	0.14
(1,997)	1:20:A:ASP:H	1:23:A:SER:HB2	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:73:A:GLU:H	1:79:A:ILE:H	20	0.14
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	2	0.14
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	2	0.14
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	13	0.14
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	13	0.14
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	15	0.14
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	15	0.14
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	19	0.14
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	19	0.14
(1,983)	1:38:A:GLU:HB3	1:39:A:VAL:H	11	0.14
(1,982)	1:38:A:GLU:HG2	1:39:A:VAL:H	17	0.14
(1,975)	1:74:A:LEU:H	1:75:A:ASN:H	11	0.14
(1,971)	1:55:A:GLU:H	1:55:A:GLU:HG2	14	0.14
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	7	0.14
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	8	0.14
(1,966)	1:8:A:ASP:HB2	1:56:A:TYR:H	19	0.14
(1,960)	1:10:A:LEU:HB3	1:12:A:VAL:H	4	0.14
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	2	0.14
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	2	0.14
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	2	0.14
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	14	0.14
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	14	0.14
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	14	0.14
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	16	0.14
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	16	0.14
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	16	0.14
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	7	0.14
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	7	0.14
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	1	0.14
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	1	0.14
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	12	0.14
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	12	0.14
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	2	0.14
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	2	0.14
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	9	0.14
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	9	0.14
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	16	0.14
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	16	0.14
(1,943)	1:28:A:PHE:HE1	1:56:A:TYR:HE1	9	0.14
(1,943)	1:28:A:PHE:HE1	1:56:A:TYR:HE2	9	0.14
(1,943)	1:28:A:PHE:HE2	1:56:A:TYR:HE1	9	0.14
(1,943)	1:28:A:PHE:HE2	1:56:A:TYR:HE2	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	3	0.14
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	3	0.14
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	3	0.14
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	3	0.14
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	3	0.14
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	3	0.14
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	5	0.14
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	5	0.14
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	5	0.14
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	5	0.14
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	5	0.14
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	5	0.14
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	20	0.14
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	20	0.14
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	8	0.14
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	8	0.14
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	10	0.14
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	10	0.14
(1,929)	1:11:A:PHE:HB2	1:53:A:PHE:HE1	12	0.14
(1,929)	1:11:A:PHE:HB2	1:53:A:PHE:HE2	12	0.14
(1,929)	1:11:A:PHE:HB3	1:53:A:PHE:HE1	12	0.14
(1,929)	1:11:A:PHE:HB3	1:53:A:PHE:HE2	12	0.14
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	19	0.14
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	19	0.14
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE1	8	0.14
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE2	8	0.14
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE1	19	0.14
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE2	19	0.14
(1,925)	1:11:A:PHE:HE1	1:52:A:ALA:H	14	0.14
(1,925)	1:11:A:PHE:HE2	1:52:A:ALA:H	14	0.14
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	3	0.14
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	3	0.14
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	3	0.14
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	3	0.14
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	8	0.14
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	8	0.14
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	10	0.14
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	10	0.14
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE1	10	0.14
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE2	10	0.14
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD1	15	0.14
(1,915)	1:67:A:TYR:H	1:67:A:TYR:HD2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	6	0.14
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	6	0.14
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	6	0.14
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	6	0.14
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	6	0.14
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	6	0.14
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	12	0.14
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	12	0.14
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	12	0.14
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	12	0.14
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	12	0.14
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	12	0.14
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	18	0.14
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	18	0.14
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	18	0.14
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	18	0.14
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	18	0.14
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	18	0.14
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	3	0.14
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	3	0.14
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	3	0.14
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	20	0.14
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	20	0.14
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	20	0.14
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	1	0.14
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	1	0.14
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	1	0.14
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	9	0.14
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	9	0.14
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	9	0.14
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	2	0.14
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	2	0.14
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	2	0.14
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	11	0.14
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	11	0.14
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	11	0.14
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	2	0.14
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	2	0.14
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	2	0.14
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	11	0.14
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	11	0.14
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:9:A:ILE:HD11	1:55:A:GLU:HG3	14	0.14
(1,870)	1:9:A:ILE:HD12	1:55:A:GLU:HG3	14	0.14
(1,870)	1:9:A:ILE:HD13	1:55:A:GLU:HG3	14	0.14
(1,870)	1:9:A:ILE:HD11	1:55:A:GLU:HG3	17	0.14
(1,870)	1:9:A:ILE:HD12	1:55:A:GLU:HG3	17	0.14
(1,870)	1:9:A:ILE:HD13	1:55:A:GLU:HG3	17	0.14
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD11	9	0.14
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD12	9	0.14
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD13	9	0.14
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD11	15	0.14
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD12	15	0.14
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD13	15	0.14
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD11	20	0.14
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD12	20	0.14
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD13	20	0.14
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	10	0.14
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	10	0.14
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	10	0.14
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	10	0.14
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	10	0.14
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	10	0.14
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	10	0.14
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	10	0.14
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	10	0.14
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG21	9	0.14
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG22	9	0.14
(1,854)	1:24:A:LEU:HB3	1:37:A:ILE:HG23	9	0.14
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	6	0.14
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	6	0.14
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	6	0.14
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG11	9	0.14
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG12	9	0.14
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG13	9	0.14
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG11	9	0.14
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG12	9	0.14
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG13	9	0.14
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG11	9	0.14
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG12	9	0.14
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG13	9	0.14
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	3	0.14
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	3	0.14
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	13	0.14
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	13	0.14
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	13	0.14
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	9	0.14
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	9	0.14
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	9	0.14
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	9	0.14
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	9	0.14
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	9	0.14
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	9	0.14
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	9	0.14
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	9	0.14
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	1	0.14
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	1	0.14
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	1	0.14
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG21	8	0.14
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG22	8	0.14
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG23	8	0.14
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG21	15	0.14
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG22	15	0.14
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG23	15	0.14
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG21	10	0.14
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG22	10	0.14
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG23	10	0.14
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	5	0.14
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	5	0.14
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	5	0.14
(1,756)	1:6:A:ALA:HB1	1:9:A:ILE:HB	1	0.14
(1,756)	1:6:A:ALA:HB2	1:9:A:ILE:HB	1	0.14
(1,756)	1:6:A:ALA:HB3	1:9:A:ILE:HB	1	0.14
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	2	0.14
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	2	0.14
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	2	0.14
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	6	0.14
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	6	0.14
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	6	0.14
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB1	14	0.14
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB2	14	0.14
(1,755)	1:5:A:ASN:HA	1:6:A:ALA:HB3	14	0.14
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	13	0.14
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	13	0.14
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	11	0.14
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	11	0.14
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	11	0.14
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	11	0.14
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	11	0.14
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	11	0.14
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	11	0.14
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	11	0.14
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	11	0.14
(1,749)	1:12:A:VAL:HG21	1:54:A:VAL:H	19	0.14
(1,749)	1:12:A:VAL:HG22	1:54:A:VAL:H	19	0.14
(1,749)	1:12:A:VAL:HG23	1:54:A:VAL:H	19	0.14
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG21	4	0.14
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG22	4	0.14
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG23	4	0.14
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	11	0.14
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	11	0.14
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	11	0.14
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG11	2	0.14
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG12	2	0.14
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG13	2	0.14
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG11	12	0.14
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG12	12	0.14
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG13	12	0.14
(1,733)	1:54:A:VAL:HG11	1:55:A:GLU:H	12	0.14
(1,733)	1:54:A:VAL:HG12	1:55:A:GLU:H	12	0.14
(1,733)	1:54:A:VAL:HG13	1:55:A:GLU:H	12	0.14
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG21	16	0.14
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG22	16	0.14
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG23	16	0.14
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	5	0.14
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	5	0.14
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	5	0.14
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	5	0.14
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	5	0.14
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	5	0.14
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	5	0.14
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	5	0.14
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	5	0.14
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG21	15	0.14
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG22	15	0.14
(1,715)	1:12:A:VAL:HG11	1:81:A:VAL:HG23	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG21	15	0.14
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG22	15	0.14
(1,715)	1:12:A:VAL:HG12	1:81:A:VAL:HG23	15	0.14
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG21	15	0.14
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG22	15	0.14
(1,715)	1:12:A:VAL:HG13	1:81:A:VAL:HG23	15	0.14
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG11	8	0.14
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG12	8	0.14
(1,713)	1:12:A:VAL:H	1:12:A:VAL:HG13	8	0.14
(1,712)	1:12:A:VAL:HG11	1:13:A:GLY:H	11	0.14
(1,712)	1:12:A:VAL:HG12	1:13:A:GLY:H	11	0.14
(1,712)	1:12:A:VAL:HG13	1:13:A:GLY:H	11	0.14
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	5	0.14
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	5	0.14
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	5	0.14
(1,702)	1:42:A:ASN:HD21	1:45:A:THR:HG21	7	0.14
(1,702)	1:42:A:ASN:HD21	1:45:A:THR:HG22	7	0.14
(1,702)	1:42:A:ASN:HD21	1:45:A:THR:HG23	7	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG21	6	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG22	6	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG23	6	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG21	10	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG22	10	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG23	10	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG21	12	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG22	12	0.14
(1,700)	1:44:A:THR:H	1:45:A:THR:HG23	12	0.14
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	2	0.14
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	2	0.14
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	2	0.14
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	11	0.14
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	11	0.14
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	11	0.14
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	11	0.14
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	11	0.14
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	11	0.14
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	11	0.14
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	11	0.14
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	11	0.14
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD21	11	0.14
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD22	11	0.14
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD23	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD21	11	0.14
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD22	11	0.14
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD23	11	0.14
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD21	14	0.14
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD22	14	0.14
(1,682)	1:40:A:PRO:HG2	1:41:A:LEU:HD23	14	0.14
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD21	14	0.14
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD22	14	0.14
(1,682)	1:40:A:PRO:HG3	1:41:A:LEU:HD23	14	0.14
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG11	16	0.14
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG12	16	0.14
(1,680)	1:8:A:ASP:HA	1:59:A:VAL:HG13	16	0.14
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	14	0.14
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	14	0.14
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	14	0.14
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	17	0.14
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	17	0.14
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	17	0.14
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG21	11	0.14
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG22	11	0.14
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG23	11	0.14
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG21	11	0.14
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG22	11	0.14
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG23	11	0.14
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG21	4	0.14
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG22	4	0.14
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG23	4	0.14
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	1	0.14
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	1	0.14
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	1	0.14
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	19	0.14
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	19	0.14
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	19	0.14
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG21	10	0.14
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG22	10	0.14
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG23	10	0.14
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG21	14	0.14
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG22	14	0.14
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG23	14	0.14
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	4	0.14
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	4	0.14
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	8	0.14
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	8	0.14
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	8	0.14
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	5	0.14
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	5	0.14
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	5	0.14
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	5	0.14
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	5	0.14
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	5	0.14
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	8	0.14
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	8	0.14
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	8	0.14
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	8	0.14
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	8	0.14
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	8	0.14
(1,638)	1:10:A:LEU:HD21	1:83:A:TYR:HD1	16	0.14
(1,638)	1:10:A:LEU:HD21	1:83:A:TYR:HD2	16	0.14
(1,638)	1:10:A:LEU:HD22	1:83:A:TYR:HD1	16	0.14
(1,638)	1:10:A:LEU:HD22	1:83:A:TYR:HD2	16	0.14
(1,638)	1:10:A:LEU:HD23	1:83:A:TYR:HD1	16	0.14
(1,638)	1:10:A:LEU:HD23	1:83:A:TYR:HD2	16	0.14
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	2	0.14
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	2	0.14
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	2	0.14
(1,623)	1:85:A:LYS:HG2	1:86:A:THR:H	10	0.14
(1,623)	1:85:A:LYS:HG3	1:86:A:THR:H	10	0.14
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	7	0.14
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	7	0.14
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	7	0.14
(1,613)	1:66:A:LEU:HD11	1:82:A:ASN:HD22	3	0.14
(1,613)	1:66:A:LEU:HD12	1:82:A:ASN:HD22	3	0.14
(1,613)	1:66:A:LEU:HD13	1:82:A:ASN:HD22	3	0.14
(1,606)	1:47:A:LYS:HG2	1:48:A:ASN:H	20	0.14
(1,606)	1:47:A:LYS:HG3	1:48:A:ASN:H	20	0.14
(1,575)	1:74:A:LEU:HD21	1:75:A:ASN:H	2	0.14
(1,575)	1:74:A:LEU:HD22	1:75:A:ASN:H	2	0.14
(1,575)	1:74:A:LEU:HD23	1:75:A:ASN:H	2	0.14
(1,572)	1:66:A:LEU:HD21	1:82:A:ASN:HB3	10	0.14
(1,572)	1:66:A:LEU:HD22	1:82:A:ASN:HB3	10	0.14
(1,572)	1:66:A:LEU:HD23	1:82:A:ASN:HB3	10	0.14
(1,568)	1:66:A:LEU:HD21	1:83:A:TYR:HD1	14	0.14
(1,568)	1:66:A:LEU:HD21	1:83:A:TYR:HD2	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:66:A:LEU:HD22	1:83:A:TYR:HD1	14	0.14
(1,568)	1:66:A:LEU:HD22	1:83:A:TYR:HD2	14	0.14
(1,568)	1:66:A:LEU:HD23	1:83:A:TYR:HD1	14	0.14
(1,568)	1:66:A:LEU:HD23	1:83:A:TYR:HD2	14	0.14
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD21	17	0.14
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD22	17	0.14
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD23	17	0.14
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG2	9	0.14
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG3	9	0.14
(1,555)	1:10:A:LEU:HG	1:66:A:LEU:H	15	0.14
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	12	0.14
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	12	0.14
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	12	0.14
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	12	0.14
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	12	0.14
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	12	0.14
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	16	0.14
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	16	0.14
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	16	0.14
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	16	0.14
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	16	0.14
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	16	0.14
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	16	0.14
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG21	20	0.14
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG22	20	0.14
(1,548)	1:35:A:ARG:HG2	1:57:A:VAL:HG23	20	0.14
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG21	20	0.14
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG22	20	0.14
(1,548)	1:35:A:ARG:HG3	1:57:A:VAL:HG23	20	0.14
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	15	0.14
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	15	0.14
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	19	0.14
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	19	0.14
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	6	0.14
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	6	0.14
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	14	0.14
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	14	0.14
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	18	0.14
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	18	0.14
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	19	0.14
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	19	0.14
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	7	0.14
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	7	0.14
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	7	0.14
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE1	9	0.14
(1,527)	1:40:A:PRO:HG2	1:51:A:PHE:HE2	9	0.14
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE1	9	0.14
(1,527)	1:40:A:PRO:HG3	1:51:A:PHE:HE2	9	0.14
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD2	4	0.14
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD3	4	0.14
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	17	0.14
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	17	0.14
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	17	0.14
(1,504)	1:64:A:HIS:HB3	1:65:A:ALA:H	12	0.14
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG21	20	0.14
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG22	20	0.14
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG23	20	0.14
(1,495)	1:20:A:ASP:HB3	1:21:A:GLU:HB2	2	0.14
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	2	0.14
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	2	0.14
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	15	0.14
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	15	0.14
(1,488)	1:0:A:HIS:HB3	1:80:A:HIS:HD2	12	0.14
(1,487)	1:0:A:HIS:HB2	1:80:A:HIS:HD2	14	0.14
(1,479)	1:73:A:GLU:HB2	1:76:A:GLY:H	7	0.14
(1,479)	1:73:A:GLU:HB2	1:76:A:GLY:H	10	0.14
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	12	0.14
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	7	0.14
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	14	0.14
(1,468)	1:36:A:ASN:HB2	1:55:A:GLU:HB2	14	0.14
(1,467)	1:49:A:ARG:HB2	1:51:A:PHE:HE1	19	0.14
(1,467)	1:49:A:ARG:HB2	1:51:A:PHE:HE2	19	0.14
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	2	0.14
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	1	0.14
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	1	0.14
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG21	8	0.14
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG22	8	0.14
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG23	8	0.14
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG21	16	0.14
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG22	16	0.14
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG23	16	0.14
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	2	0.14
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:43:A:MET:H	1:43:A:MET:HG3	4	0.14
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	4	0.14
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	4	0.14
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	10	0.14
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	10	0.14
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	16	0.14
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	16	0.14
(1,442)	1:43:A:MET:HB2	1:43:A:MET:HG2	18	0.14
(1,442)	1:43:A:MET:HB3	1:43:A:MET:HG2	18	0.14
(1,440)	1:43:A:MET:H	1:43:A:MET:HG2	15	0.14
(1,426)	1:85:A:LYS:HB2	1:86:A:THR:H	12	0.14
(1,426)	1:85:A:LYS:HB2	1:86:A:THR:H	17	0.14
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	16	0.14
(1,418)	1:54:A:VAL:HB	1:55:A:GLU:H	9	0.14
(1,409)	1:57:A:VAL:HG11	1:58:A:GLU:HG3	15	0.14
(1,409)	1:57:A:VAL:HG12	1:58:A:GLU:HG3	15	0.14
(1,409)	1:57:A:VAL:HG13	1:58:A:GLU:HG3	15	0.14
(1,406)	1:58:A:GLU:H	1:58:A:GLU:HG3	9	0.14
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	13	0.14
(1,400)	1:47:A:LYS:HB2	1:49:A:ARG:HG2	12	0.14
(1,400)	1:47:A:LYS:HB3	1:49:A:ARG:HG2	12	0.14
(1,399)	1:47:A:LYS:HB2	1:48:A:ASN:H	17	0.14
(1,399)	1:47:A:LYS:HB3	1:48:A:ASN:H	17	0.14
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	6	0.14
(1,394)	1:55:A:GLU:H	1:55:A:GLU:HG3	14	0.14
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	19	0.14
(1,392)	1:10:A:LEU:H	1:55:A:GLU:HG2	2	0.14
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG11	14	0.14
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG12	14	0.14
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG13	14	0.14
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG21	14	0.14
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG22	14	0.14
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG23	14	0.14
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	15	0.14
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	15	0.14
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	15	0.14
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	15	0.14
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	15	0.14
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	15	0.14
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	2	0.14
(1,347)	1:67:A:TYR:HB2	1:68:A:ASN:H	3	0.14
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	14	0.14
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	18	0.14
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB1	11	0.14
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB2	11	0.14
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB3	11	0.14
(1,328)	1:31:A:PHE:HB3	1:32:A:GLY:HA2	13	0.14
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB1	8	0.14
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB2	8	0.14
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB3	8	0.14
(1,317)	1:8:A:ASP:HB2	1:59:A:VAL:HA	9	0.14
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	7	0.14
(1,315)	1:25:A:TYR:HE1	1:34:A:ILE:HB	5	0.14
(1,315)	1:25:A:TYR:HE2	1:34:A:ILE:HB	5	0.14
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	13	0.14
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	13	0.14
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	7	0.14
(1,308)	1:7:A:THR:HG21	1:9:A:ILE:HB	20	0.14
(1,308)	1:7:A:THR:HG22	1:9:A:ILE:HB	20	0.14
(1,308)	1:7:A:THR:HG23	1:9:A:ILE:HB	20	0.14
(1,300)	1:9:A:ILE:HB	1:10:A:LEU:H	18	0.14
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	2	0.14
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	16	0.14
(1,297)	1:60:A:ASP:H	1:60:A:ASP:HB2	5	0.14
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	16	0.14
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	17	0.14
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	17	0.14
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	19	0.14
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	19	0.14
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD11	6	0.14
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD12	6	0.14
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD13	6	0.14
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD11	16	0.14
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD12	16	0.14
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD13	16	0.14
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	6	0.14
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	15	0.14
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	19	0.14
(1,247)	1:11:A:PHE:HE1	1:51:A:PHE:HB3	12	0.14
(1,247)	1:11:A:PHE:HE2	1:51:A:PHE:HB3	12	0.14
(1,243)	1:20:A:ASP:H	1:20:A:ASP:HB3	3	0.14
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	2	0.14
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	10	0.14
(1,232)	1:20:A:ASP:HB3	1:21:A:GLU:H	16	0.14
(1,221)	1:35:A:ARG:HD2	1:55:A:GLU:HB2	2	0.14
(1,221)	1:35:A:ARG:HD3	1:55:A:GLU:HB2	2	0.14
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	5	0.14
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE1	10	0.14
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE2	10	0.14
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	2	0.14
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	2	0.14
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	6	0.14
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	6	0.14
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	17	0.14
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	17	0.14
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG2	11	0.14
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG3	11	0.14
(1,193)	1:73:A:GLU:HA	1:74:A:LEU:HB2	13	0.14
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	18	0.14
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE1	12	0.14
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE2	12	0.14
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	13	0.14
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	13	0.14
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	17	0.14
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	17	0.14
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	16	0.14
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	14	0.14
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	16	0.14
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	6	0.14
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	6	0.14
(1,164)	1:16:A:ASP:HA	1:17:A:GLU:H	13	0.14
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	19	0.14
(1,156)	1:9:A:ILE:HG13	1:55:A:GLU:HA	6	0.14
(1,156)	1:9:A:ILE:HG13	1:55:A:GLU:HA	10	0.14
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	10	0.14
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	20	0.14
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	4	0.14
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG21	8	0.14
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG22	8	0.14
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG23	8	0.14
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	4	0.14
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	15	0.14
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	18	0.14
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	13	0.14
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	13	0.14
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	15	0.14
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	15	0.14
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	15	0.14
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD11	20	0.14
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD12	20	0.14
(1,114)	1:24:A:LEU:HA	1:24:A:LEU:HD13	20	0.14
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE1	17	0.14
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE2	17	0.14
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD2	10	0.14
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD3	10	0.14
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD2	15	0.14
(1,112)	1:60:A:ASP:HA	1:63:A:LYS:HD3	15	0.14
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	2	0.14
(1,102)	1:64:A:HIS:HA	1:67:A:TYR:H	17	0.14
(1,97)	1:17:A:GLU:HA	1:19:A:ILE:H	14	0.14
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	10	0.14
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG21	9	0.14
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG22	9	0.14
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG23	9	0.14
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	11	0.14
(1,92)	1:22:A:LYS:HA	1:25:A:TYR:HB3	6	0.14
(1,91)	1:22:A:LYS:HA	1:25:A:TYR:H	5	0.14
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	19	0.14
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	19	0.14
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	19	0.14
(1,88)	1:10:A:LEU:HD21	1:66:A:LEU:HA	17	0.14
(1,88)	1:10:A:LEU:HD22	1:66:A:LEU:HA	17	0.14
(1,88)	1:10:A:LEU:HD23	1:66:A:LEU:HA	17	0.14
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	20	0.14
(1,78)	1:34:A:ILE:HA	1:36:A:ASN:H	6	0.14
(1,74)	1:13:A:GLY:H	1:81:A:VAL:HA	2	0.14
(1,74)	1:13:A:GLY:H	1:81:A:VAL:HA	17	0.14
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	11	0.14
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	15	0.14
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	16	0.14
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	7	0.14
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	5	0.14
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	10	0.14
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	13	0.14
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	19	0.14
(1,55)	1:34:A:ILE:HG21	1:54:A:VAL:HA	6	0.14
(1,55)	1:34:A:ILE:HG22	1:54:A:VAL:HA	6	0.14
(1,55)	1:34:A:ILE:HG23	1:54:A:VAL:HA	6	0.14
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD11	7	0.14
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD12	7	0.14
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD13	7	0.14
(1,47)	1:29:A:SER:HB2	1:34:A:ILE:HG13	9	0.14
(1,36)	1:23:A:SER:H	1:23:A:SER:HB3	6	0.14
(1,36)	1:23:A:SER:H	1:23:A:SER:HB3	16	0.14
(1,35)	1:22:A:LYS:HD2	1:23:A:SER:HB3	13	0.14
(1,35)	1:22:A:LYS:HD3	1:23:A:SER:HB3	13	0.14
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	8	0.14
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	8	0.14
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	10	0.14
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	10	0.14
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	13	0.14
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	13	0.14
(1,32)	1:25:A:TYR:HA	1:28:A:PHE:HB3	12	0.14
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	5	0.14
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	5	0.14
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	5	0.14
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	3	0.14
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	9	0.14
(1,11)	1:42:A:ASN:HD21	1:44:A:THR:HB	18	0.14
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	3	0.14
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	3	0.14
(1,1544)	1:15:A:ILE:HA	1:77:A:LYS:HE2	13	0.13
(1,1544)	1:15:A:ILE:HA	1:77:A:LYS:HE3	13	0.13
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	6	0.13
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	6	0.13
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	6	0.13
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	17	0.13
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	17	0.13
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	17	0.13
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	6	0.13
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB1	7	0.13
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB2	7	0.13
(1,1505)	1:56:A:TYR:HD1	1:62:A:ALA:HB3	7	0.13
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB1	7	0.13
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB2	7	0.13
(1,1505)	1:56:A:TYR:HD2	1:62:A:ALA:HB3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	10	0.13
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	10	0.13
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	10	0.13
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	10	0.13
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	10	0.13
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	10	0.13
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	15	0.13
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	15	0.13
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	15	0.13
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	15	0.13
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	15	0.13
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	15	0.13
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	18	0.13
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	18	0.13
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	18	0.13
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	18	0.13
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	18	0.13
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	18	0.13
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG21	7	0.13
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG22	7	0.13
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG23	7	0.13
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG21	7	0.13
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG22	7	0.13
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG23	7	0.13
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG21	19	0.13
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG22	19	0.13
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG23	19	0.13
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG21	19	0.13
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG22	19	0.13
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG23	19	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD11	2	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD12	2	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD13	2	0.13
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD11	2	0.13
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD12	2	0.13
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD13	2	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD11	2	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD12	2	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD13	2	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD11	7	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD12	7	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD13	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD11	7	0.13
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD12	7	0.13
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD13	7	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD11	7	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD12	7	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD13	7	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD11	13	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD12	13	0.13
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD13	13	0.13
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD11	13	0.13
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD12	13	0.13
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD13	13	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD11	13	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD12	13	0.13
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD13	13	0.13
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG11	12	0.13
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG12	12	0.13
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG13	12	0.13
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG11	12	0.13
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG12	12	0.13
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG13	12	0.13
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG11	12	0.13
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG12	12	0.13
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG13	12	0.13
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	9	0.13
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	9	0.13
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	9	0.13
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	9	0.13
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	11	0.13
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	11	0.13
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	11	0.13
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	11	0.13
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	19	0.13
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	19	0.13
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	19	0.13
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	19	0.13
(1,1468)	1:24:A:LEU:HD11	1:37:A:ILE:HG21	20	0.13
(1,1468)	1:24:A:LEU:HD11	1:37:A:ILE:HG22	20	0.13
(1,1468)	1:24:A:LEU:HD11	1:37:A:ILE:HG23	20	0.13
(1,1468)	1:24:A:LEU:HD12	1:37:A:ILE:HG21	20	0.13
(1,1468)	1:24:A:LEU:HD12	1:37:A:ILE:HG22	20	0.13
(1,1468)	1:24:A:LEU:HD12	1:37:A:ILE:HG23	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:24:A:LEU:HD13	1:37:A:ILE:HG21	20	0.13
(1,1468)	1:24:A:LEU:HD13	1:37:A:ILE:HG22	20	0.13
(1,1468)	1:24:A:LEU:HD13	1:37:A:ILE:HG23	20	0.13
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	18	0.13
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	17	0.13
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	17	0.13
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	17	0.13
(1,1449)	1:38:A:GLU:HG3	1:53:A:PHE:HD1	9	0.13
(1,1449)	1:38:A:GLU:HG3	1:53:A:PHE:HD2	9	0.13
(1,1448)	1:17:A:GLU:HG3	1:18:A:THR:HB	3	0.13
(1,1447)	1:9:A:ILE:HA	1:55:A:GLU:HG2	15	0.13
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	1	0.13
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	1	0.13
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	1	0.13
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	1	0.13
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	1	0.13
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	1	0.13
(1,1431)	1:50:A:GLY:HA3	1:51:A:PHE:HB2	14	0.13
(1,1431)	1:50:A:GLY:HA3	1:51:A:PHE:HB2	15	0.13
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD2	7	0.13
(1,1429)	1:73:A:GLU:HA	1:78:A:ARG:HD3	7	0.13
(1,1412)	1:79:A:ILE:HD11	1:80:A:HIS:HA	7	0.13
(1,1412)	1:79:A:ILE:HD12	1:80:A:HIS:HA	7	0.13
(1,1412)	1:79:A:ILE:HD13	1:80:A:HIS:HA	7	0.13
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD2	8	0.13
(1,1398)	1:85:A:LYS:HA	1:85:A:LYS:HD3	8	0.13
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	1	0.13
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	9	0.13
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	19	0.13
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD1	20	0.13
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD2	20	0.13
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD1	6	0.13
(1,1382)	1:83:A:TYR:HA	1:83:A:TYR:HD2	6	0.13
(1,1379)	1:34:A:ILE:HA	1:56:A:TYR:HA	18	0.13
(1,1379)	1:34:A:ILE:HA	1:56:A:TYR:HA	20	0.13
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD11	16	0.13
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD12	16	0.13
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD13	16	0.13
(1,1361)	1:23:A:SER:HB2	1:24:A:LEU:HD21	10	0.13
(1,1361)	1:23:A:SER:HB2	1:24:A:LEU:HD22	10	0.13
(1,1361)	1:23:A:SER:HB2	1:24:A:LEU:HD23	10	0.13
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD21	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD22	3	0.13
(1,1360)	1:40:A:PRO:HA	1:41:A:LEU:HD23	3	0.13
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	3	0.13
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	15	0.13
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	20	0.13
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	17	0.13
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	17	0.13
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	17	0.13
(1,1338)	1:13:A:GLY:H	1:14:A:GLY:H	15	0.13
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	3	0.13
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	12	0.13
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	18	0.13
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	17	0.13
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	6	0.13
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	6	0.13
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	6	0.13
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	11	0.13
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	11	0.13
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	11	0.13
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG21	20	0.13
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG22	20	0.13
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG23	20	0.13
(1,1293)	1:68:A:ASN:HD22	1:69:A:MET:HA	17	0.13
(1,1290)	1:36:A:ASN:HD21	1:55:A:GLU:HB2	14	0.13
(1,1277)	1:36:A:ASN:H	1:55:A:GLU:HG2	14	0.13
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	14	0.13
(1,1268)	1:24:A:LEU:H	1:27:A:ILE:H	15	0.13
(1,1264)	1:8:A:ASP:H	1:56:A:TYR:HB3	3	0.13
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	4	0.13
(1,1258)	1:23:A:SER:HB2	1:27:A:ILE:H	7	0.13
(1,1258)	1:23:A:SER:HB2	1:27:A:ILE:H	13	0.13
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	18	0.13
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	6	0.13
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	11	0.13
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	17	0.13
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	13	0.13
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD2	4	0.13
(1,1223)	1:63:A:LYS:H	1:63:A:LYS:HD3	4	0.13
(1,1220)	1:62:A:ALA:H	1:63:A:LYS:H	4	0.13
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	20	0.13
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	20	0.13
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	6	0.13
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	8	0.13
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	18	0.13
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	18	0.13
(1,1204)	1:64:A:HIS:H	1:64:A:HIS:HD2	11	0.13
(1,1193)	1:70:A:ASN:H	1:71:A:ASN:HD22	13	0.13
(1,1187)	1:7:A:THR:H	1:9:A:ILE:H	20	0.13
(1,1184)	1:41:A:LEU:HD21	1:48:A:ASN:H	7	0.13
(1,1184)	1:41:A:LEU:HD22	1:48:A:ASN:H	7	0.13
(1,1184)	1:41:A:LEU:HD23	1:48:A:ASN:H	7	0.13
(1,1184)	1:41:A:LEU:HD21	1:48:A:ASN:H	18	0.13
(1,1184)	1:41:A:LEU:HD22	1:48:A:ASN:H	18	0.13
(1,1184)	1:41:A:LEU:HD23	1:48:A:ASN:H	18	0.13
(1,1182)	1:47:A:LYS:HD2	1:48:A:ASN:H	11	0.13
(1,1182)	1:47:A:LYS:HD3	1:48:A:ASN:H	11	0.13
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	20	0.13
(1,1175)	1:9:A:ILE:H	1:10:A:LEU:HA	20	0.13
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE2	14	0.13
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE3	14	0.13
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE2	18	0.13
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE3	18	0.13
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	19	0.13
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	2	0.13
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	5	0.13
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	18	0.13
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	5	0.13
(1,1150)	1:24:A:LEU:H	1:25:A:TYR:HB2	1	0.13
(1,1150)	1:24:A:LEU:H	1:25:A:TYR:HB2	3	0.13
(1,1150)	1:24:A:LEU:H	1:25:A:TYR:HB2	4	0.13
(1,1150)	1:24:A:LEU:H	1:25:A:TYR:HB2	12	0.13
(1,1148)	1:19:A:ILE:HA	1:24:A:LEU:H	16	0.13
(1,1139)	1:33:A:ASP:HB2	1:57:A:VAL:H	8	0.13
(1,1139)	1:33:A:ASP:HB3	1:57:A:VAL:H	8	0.13
(1,1133)	1:66:A:LEU:H	1:68:A:ASN:H	3	0.13
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG21	7	0.13
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG22	7	0.13
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG23	7	0.13
(1,1101)	1:28:A:PHE:HB2	1:29:A:SER:H	10	0.13
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	1	0.13
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	3	0.13
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	4	0.13
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	18	0.13
(1,1083)	1:39:A:VAL:HG11	1:52:A:ALA:H	10	0.13
(1,1083)	1:39:A:VAL:HG12	1:52:A:ALA:H	10	0.13
(1,1083)	1:39:A:VAL:HG13	1:52:A:ALA:H	10	0.13
(1,1083)	1:39:A:VAL:HG21	1:52:A:ALA:H	10	0.13
(1,1083)	1:39:A:VAL:HG22	1:52:A:ALA:H	10	0.13
(1,1083)	1:39:A:VAL:HG23	1:52:A:ALA:H	10	0.13
(1,1080)	1:75:A:ASN:HB2	1:77:A:LYS:H	9	0.13
(1,1078)	1:75:A:ASN:H	1:77:A:LYS:H	13	0.13
(1,1074)	1:41:A:LEU:H	1:42:A:ASN:H	20	0.13
(1,1068)	1:4:A:ASN:HD22	1:6:A:ALA:H	14	0.13
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	13	0.13
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	13	0.13
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	13	0.13
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD11	16	0.13
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD12	16	0.13
(1,1067)	1:72:A:PHE:H	1:79:A:ILE:HD13	16	0.13
(1,1066)	1:69:A:MET:HB2	1:72:A:PHE:H	16	0.13
(1,1066)	1:69:A:MET:HB3	1:72:A:PHE:H	16	0.13
(1,1057)	1:9:A:ILE:HG21	1:54:A:VAL:H	2	0.13
(1,1057)	1:9:A:ILE:HG22	1:54:A:VAL:H	2	0.13
(1,1057)	1:9:A:ILE:HG23	1:54:A:VAL:H	2	0.13
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	7	0.13
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	1	0.13
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	14	0.13
(1,1052)	1:56:A:TYR:HB2	1:62:A:ALA:H	9	0.13
(1,1045)	1:36:A:ASN:HD21	1:37:A:ILE:H	12	0.13
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	6	0.13
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	6	0.13
(1,1034)	1:78:A:ARG:H	1:78:A:ARG:HD2	4	0.13
(1,1034)	1:78:A:ARG:H	1:78:A:ARG:HD3	4	0.13
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	13	0.13
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	12	0.13
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	12	0.13
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	12	0.13
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	7	0.13
(1,1020)	1:70:A:ASN:HA	1:81:A:VAL:H	17	0.13
(1,1019)	1:80:A:HIS:HB2	1:81:A:VAL:H	1	0.13
(1,1003)	1:10:A:LEU:H	1:54:A:VAL:H	6	0.13
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE2	18	0.13
(1,998)	1:20:A:ASP:H	1:22:A:LYS:HE3	18	0.13
(1,991)	1:73:A:GLU:H	1:73:A:GLU:HG3	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:73:A:GLU:H	1:73:A:GLU:HG3	18	0.13
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	7	0.13
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	6	0.13
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	6	0.13
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	7	0.13
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	7	0.13
(1,982)	1:38:A:GLU:HG2	1:39:A:VAL:H	6	0.13
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB1	5	0.13
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB2	5	0.13
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB3	5	0.13
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB1	6	0.13
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB2	6	0.13
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB3	6	0.13
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB1	8	0.13
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB2	8	0.13
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB3	8	0.13
(1,960)	1:10:A:LEU:HB3	1:12:A:VAL:H	11	0.13
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG21	12	0.13
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG22	12	0.13
(1,958)	1:74:A:LEU:H	1:79:A:ILE:HG23	12	0.13
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	11	0.13
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	15	0.13
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	20	0.13
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	15	0.13
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	15	0.13
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	15	0.13
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	18	0.13
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	18	0.13
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	18	0.13
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	19	0.13
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	19	0.13
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	19	0.13
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	8	0.13
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	8	0.13
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	8	0.13
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	8	0.13
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	8	0.13
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	8	0.13
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	16	0.13
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	16	0.13
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	16	0.13
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	16	0.13
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	16	0.13
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	18	0.13
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	18	0.13
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	18	0.13
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	18	0.13
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	18	0.13
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	18	0.13
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	19	0.13
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	19	0.13
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	19	0.13
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	19	0.13
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	19	0.13
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	19	0.13
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE1	12	0.13
(1,933)	1:49:A:ARG:HG2	1:51:A:PHE:HE2	12	0.13
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	7	0.13
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	7	0.13
(1,925)	1:11:A:PHE:HE1	1:52:A:ALA:H	7	0.13
(1,925)	1:11:A:PHE:HE2	1:52:A:ALA:H	7	0.13
(1,925)	1:11:A:PHE:HE1	1:52:A:ALA:H	9	0.13
(1,925)	1:11:A:PHE:HE2	1:52:A:ALA:H	9	0.13
(1,925)	1:11:A:PHE:HE1	1:52:A:ALA:H	10	0.13
(1,925)	1:11:A:PHE:HE2	1:52:A:ALA:H	10	0.13
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	2	0.13
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	2	0.13
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	2	0.13
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	2	0.13
(1,917)	1:51:A:PHE:HD1	1:52:A:ALA:HA	18	0.13
(1,917)	1:51:A:PHE:HD2	1:52:A:ALA:HA	18	0.13
(1,911)	1:16:A:ASP:HB3	1:19:A:ILE:HD11	13	0.13
(1,911)	1:16:A:ASP:HB3	1:19:A:ILE:HD12	13	0.13
(1,911)	1:16:A:ASP:HB3	1:19:A:ILE:HD13	13	0.13
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD11	7	0.13
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD12	7	0.13
(1,910)	1:19:A:ILE:HG21	1:19:A:ILE:HD13	7	0.13
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD11	7	0.13
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD12	7	0.13
(1,910)	1:19:A:ILE:HG22	1:19:A:ILE:HD13	7	0.13
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD11	7	0.13
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD12	7	0.13
(1,910)	1:19:A:ILE:HG23	1:19:A:ILE:HD13	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD11	14	0.13
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD12	14	0.13
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD13	14	0.13
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	2	0.13
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	2	0.13
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	2	0.13
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	16	0.13
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	16	0.13
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	16	0.13
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD11	20	0.13
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD12	20	0.13
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD13	20	0.13
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD11	20	0.13
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD12	20	0.13
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD13	20	0.13
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	15	0.13
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	15	0.13
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	15	0.13
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD11	3	0.13
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD12	3	0.13
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD13	3	0.13
(1,882)	1:15:A:ILE:HD11	1:16:A:ASP:H	7	0.13
(1,882)	1:15:A:ILE:HD12	1:16:A:ASP:H	7	0.13
(1,882)	1:15:A:ILE:HD13	1:16:A:ASP:H	7	0.13
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	7	0.13
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	7	0.13
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	7	0.13
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG21	3	0.13
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG22	3	0.13
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG23	3	0.13
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	3	0.13
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	3	0.13
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	3	0.13
(1,848)	1:37:A:ILE:HG21	1:38:A:GLU:H	16	0.13
(1,848)	1:37:A:ILE:HG22	1:38:A:GLU:H	16	0.13
(1,848)	1:37:A:ILE:HG23	1:38:A:GLU:H	16	0.13
(1,844)	1:27:A:ILE:HG21	1:28:A:PHE:H	8	0.13
(1,844)	1:27:A:ILE:HG22	1:28:A:PHE:H	8	0.13
(1,844)	1:27:A:ILE:HG23	1:28:A:PHE:H	8	0.13
(1,844)	1:27:A:ILE:HG21	1:28:A:PHE:H	14	0.13
(1,844)	1:27:A:ILE:HG22	1:28:A:PHE:H	14	0.13
(1,844)	1:27:A:ILE:HG23	1:28:A:PHE:H	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:27:A:ILE:HG21	1:28:A:PHE:H	18	0.13
(1,844)	1:27:A:ILE:HG22	1:28:A:PHE:H	18	0.13
(1,844)	1:27:A:ILE:HG23	1:28:A:PHE:H	18	0.13
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG11	2	0.13
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG12	2	0.13
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG13	2	0.13
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG11	2	0.13
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG12	2	0.13
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG13	2	0.13
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG11	2	0.13
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG12	2	0.13
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG13	2	0.13
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG11	13	0.13
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG12	13	0.13
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG13	13	0.13
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG11	13	0.13
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG12	13	0.13
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG13	13	0.13
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG11	13	0.13
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG12	13	0.13
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG13	13	0.13
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	4	0.13
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	4	0.13
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	4	0.13
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	17	0.13
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	17	0.13
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	17	0.13
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	20	0.13
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	20	0.13
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	20	0.13
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	11	0.13
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	11	0.13
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	11	0.13
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB1	13	0.13
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB2	13	0.13
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB3	13	0.13
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	10	0.13
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	10	0.13
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	10	0.13
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	20	0.13
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	20	0.13
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:8:A:ASP:HB3	1:62:A:ALA:HB1	14	0.13
(1,789)	1:8:A:ASP:HB3	1:62:A:ALA:HB2	14	0.13
(1,789)	1:8:A:ASP:HB3	1:62:A:ALA:HB3	14	0.13
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	13	0.13
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	13	0.13
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	13	0.13
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	17	0.13
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	17	0.13
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	17	0.13
(1,785)	1:79:A:ILE:HG21	1:80:A:HIS:H	9	0.13
(1,785)	1:79:A:ILE:HG22	1:80:A:HIS:H	9	0.13
(1,785)	1:79:A:ILE:HG23	1:80:A:HIS:H	9	0.13
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG21	9	0.13
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG22	9	0.13
(1,783)	1:37:A:ILE:HD11	1:54:A:VAL:HG23	9	0.13
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG21	9	0.13
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG22	9	0.13
(1,783)	1:37:A:ILE:HD12	1:54:A:VAL:HG23	9	0.13
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG21	9	0.13
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG22	9	0.13
(1,783)	1:37:A:ILE:HD13	1:54:A:VAL:HG23	9	0.13
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	10	0.13
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	10	0.13
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	10	0.13
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	10	0.13
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	10	0.13
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	10	0.13
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	10	0.13
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	10	0.13
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	10	0.13
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG21	8	0.13
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG22	8	0.13
(1,779)	1:37:A:ILE:HA	1:54:A:VAL:HG23	8	0.13
(1,771)	1:38:A:GLU:H	1:54:A:VAL:HG21	20	0.13
(1,771)	1:38:A:GLU:H	1:54:A:VAL:HG22	20	0.13
(1,771)	1:38:A:GLU:H	1:54:A:VAL:HG23	20	0.13
(1,768)	1:31:A:PHE:HB2	1:65:A:ALA:HB1	4	0.13
(1,768)	1:31:A:PHE:HB2	1:65:A:ALA:HB2	4	0.13
(1,768)	1:31:A:PHE:HB2	1:65:A:ALA:HB3	4	0.13
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG21	5	0.13
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG22	5	0.13
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG23	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG21	14	0.13
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG22	14	0.13
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG23	14	0.13
(1,745)	1:12:A:VAL:HG21	1:81:A:VAL:HA	1	0.13
(1,745)	1:12:A:VAL:HG22	1:81:A:VAL:HA	1	0.13
(1,745)	1:12:A:VAL:HG23	1:81:A:VAL:HA	1	0.13
(1,745)	1:12:A:VAL:HG21	1:81:A:VAL:HA	10	0.13
(1,745)	1:12:A:VAL:HG22	1:81:A:VAL:HA	10	0.13
(1,745)	1:12:A:VAL:HG23	1:81:A:VAL:HA	10	0.13
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	10	0.13
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	10	0.13
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	10	0.13
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	5	0.13
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	5	0.13
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	5	0.13
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	7	0.13
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	7	0.13
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	7	0.13
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG11	1	0.13
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG12	1	0.13
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG13	1	0.13
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	9	0.13
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	9	0.13
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	9	0.13
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	14	0.13
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	14	0.13
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	14	0.13
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	20	0.13
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	20	0.13
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	20	0.13
(1,720)	1:39:A:VAL:HG11	1:52:A:ALA:HA	5	0.13
(1,720)	1:39:A:VAL:HG12	1:52:A:ALA:HA	5	0.13
(1,720)	1:39:A:VAL:HG13	1:52:A:ALA:HA	5	0.13
(1,720)	1:39:A:VAL:HG21	1:52:A:ALA:HA	5	0.13
(1,720)	1:39:A:VAL:HG22	1:52:A:ALA:HA	5	0.13
(1,720)	1:39:A:VAL:HG23	1:52:A:ALA:HA	5	0.13
(1,720)	1:39:A:VAL:HG11	1:52:A:ALA:HA	13	0.13
(1,720)	1:39:A:VAL:HG12	1:52:A:ALA:HA	13	0.13
(1,720)	1:39:A:VAL:HG13	1:52:A:ALA:HA	13	0.13
(1,720)	1:39:A:VAL:HG21	1:52:A:ALA:HA	13	0.13
(1,720)	1:39:A:VAL:HG22	1:52:A:ALA:HA	13	0.13
(1,720)	1:39:A:VAL:HG23	1:52:A:ALA:HA	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	19	0.13
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	19	0.13
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	19	0.13
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG11	10	0.13
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG12	10	0.13
(1,707)	1:32:A:GLY:HA2	1:57:A:VAL:HG13	10	0.13
(1,700)	1:44:A:THR:H	1:45:A:THR:HG21	5	0.13
(1,700)	1:44:A:THR:H	1:45:A:THR:HG22	5	0.13
(1,700)	1:44:A:THR:H	1:45:A:THR:HG23	5	0.13
(1,700)	1:44:A:THR:H	1:45:A:THR:HG21	15	0.13
(1,700)	1:44:A:THR:H	1:45:A:THR:HG22	15	0.13
(1,700)	1:44:A:THR:H	1:45:A:THR:HG23	15	0.13
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG21	8	0.13
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG22	8	0.13
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG23	8	0.13
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	9	0.13
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	9	0.13
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	9	0.13
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	9	0.13
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	9	0.13
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	9	0.13
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	9	0.13
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	9	0.13
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	9	0.13
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	7	0.13
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	7	0.13
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	7	0.13
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	12	0.13
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	12	0.13
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	12	0.13
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	4	0.13
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	4	0.13
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	4	0.13
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	4	0.13
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	4	0.13
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	4	0.13
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	4	0.13
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	4	0.13
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	4	0.13
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	5	0.13
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	5	0.13
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	5	0.13
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	5	0.13
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	5	0.13
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	5	0.13
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	5	0.13
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	5	0.13
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG21	6	0.13
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG22	6	0.13
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG23	6	0.13
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	2	0.13
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	2	0.13
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	2	0.13
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	6	0.13
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	6	0.13
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	6	0.13
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	13	0.13
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	13	0.13
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	13	0.13
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	12	0.13
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	12	0.13
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	12	0.13
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	17	0.13
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	17	0.13
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	17	0.13
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	9	0.13
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	9	0.13
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	9	0.13
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	9	0.13
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	9	0.13
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	9	0.13
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	9	0.13
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	9	0.13
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	9	0.13
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	14	0.13
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	14	0.13
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	14	0.13
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	14	0.13
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	14	0.13
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	14	0.13
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	14	0.13
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	14	0.13
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:66:A:LEU:HD11	1:82:A:ASN:HB2	5	0.13
(1,617)	1:66:A:LEU:HD12	1:82:A:ASN:HB2	5	0.13
(1,617)	1:66:A:LEU:HD13	1:82:A:ASN:HB2	5	0.13
(1,600)	1:41:A:LEU:HD11	1:46:A:LYS:HA	7	0.13
(1,600)	1:41:A:LEU:HD12	1:46:A:LYS:HA	7	0.13
(1,600)	1:41:A:LEU:HD13	1:46:A:LYS:HA	7	0.13
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	18	0.13
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	18	0.13
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	18	0.13
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	10	0.13
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	10	0.13
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	10	0.13
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	10	0.13
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	10	0.13
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	10	0.13
(1,586)	1:15:A:ILE:HG12	1:52:A:ALA:HB1	9	0.13
(1,586)	1:15:A:ILE:HG12	1:52:A:ALA:HB2	9	0.13
(1,586)	1:15:A:ILE:HG12	1:52:A:ALA:HB3	9	0.13
(1,586)	1:15:A:ILE:HG13	1:52:A:ALA:HB1	9	0.13
(1,586)	1:15:A:ILE:HG13	1:52:A:ALA:HB2	9	0.13
(1,586)	1:15:A:ILE:HG13	1:52:A:ALA:HB3	9	0.13
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG12	10	0.13
(1,579)	1:72:A:PHE:H	1:79:A:ILE:HG13	10	0.13
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD21	8	0.13
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD22	8	0.13
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD23	8	0.13
(1,565)	1:66:A:LEU:HD21	1:83:A:TYR:H	20	0.13
(1,565)	1:66:A:LEU:HD22	1:83:A:TYR:H	20	0.13
(1,565)	1:66:A:LEU:HD23	1:83:A:TYR:H	20	0.13
(1,557)	1:10:A:LEU:HG	1:28:A:PHE:HD1	18	0.13
(1,557)	1:10:A:LEU:HG	1:28:A:PHE:HD2	18	0.13
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	18	0.13
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	18	0.13
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	18	0.13
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	3	0.13
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	3	0.13
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	3	0.13
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	3	0.13
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	18	0.13
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	18	0.13
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	18	0.13
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	14	0.13
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	14	0.13
(1,543)	1:35:A:ARG:HG2	1:36:A:ASN:H	16	0.13
(1,543)	1:35:A:ARG:HG3	1:36:A:ASN:H	16	0.13
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	11	0.13
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	5	0.13
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	5	0.13
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	10	0.13
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	10	0.13
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	11	0.13
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	11	0.13
(1,509)	1:46:A:LYS:HB3	1:47:A:LYS:H	4	0.13
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	9	0.13
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	9	0.13
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	9	0.13
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	9	0.13
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	9	0.13
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	9	0.13
(1,507)	1:41:A:LEU:HD11	1:46:A:LYS:HB2	11	0.13
(1,507)	1:41:A:LEU:HD12	1:46:A:LYS:HB2	11	0.13
(1,507)	1:41:A:LEU:HD13	1:46:A:LYS:HB2	11	0.13
(1,504)	1:64:A:HIS:HB3	1:65:A:ALA:H	3	0.13
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB1	9	0.13
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB2	9	0.13
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB3	9	0.13
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG21	3	0.13
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG22	3	0.13
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG23	3	0.13
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	13	0.13
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	1	0.13
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	15	0.13
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	16	0.13
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	17	0.13
(1,459)	1:22:A:LYS:HB2	1:23:A:SER:H	19	0.13
(1,459)	1:22:A:LYS:HB3	1:23:A:SER:H	19	0.13
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB2	12	0.13
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB3	12	0.13
(1,455)	1:35:A:ARG:HB2	1:55:A:GLU:HB2	17	0.13
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB2	17	0.13
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB3	17	0.13
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG21	6	0.13
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG22	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:35:A:ARG:HB2	1:57:A:VAL:HG23	6	0.13
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD1	1	0.13
(1,429)	1:38:A:GLU:HB2	1:53:A:PHE:HD2	1	0.13
(1,422)	1:10:A:LEU:HD11	1:54:A:VAL:HB	16	0.13
(1,422)	1:10:A:LEU:HD12	1:54:A:VAL:HB	16	0.13
(1,422)	1:10:A:LEU:HD13	1:54:A:VAL:HB	16	0.13
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	3	0.13
(1,407)	1:58:A:GLU:HG3	1:59:A:VAL:H	15	0.13
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	12	0.13
(1,400)	1:47:A:LYS:HB2	1:49:A:ARG:HG2	9	0.13
(1,400)	1:47:A:LYS:HB3	1:49:A:ARG:HG2	9	0.13
(1,397)	1:36:A:ASN:H	1:55:A:GLU:HG3	5	0.13
(1,392)	1:10:A:LEU:H	1:55:A:GLU:HG2	7	0.13
(1,383)	1:17:A:GLU:HG2	1:18:A:THR:H	17	0.13
(1,371)	1:21:A:GLU:H	1:21:A:GLU:HG2	5	0.13
(1,366)	1:73:A:GLU:HG2	1:74:A:LEU:H	2	0.13
(1,362)	1:73:A:GLU:HG2	1:77:A:LYS:H	13	0.13
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	6	0.13
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	3	0.13
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	6	0.13
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	9	0.13
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	10	0.13
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	20	0.13
(1,334)	1:4:A:ASN:HB2	1:6:A:ALA:H	7	0.13
(1,334)	1:4:A:ASN:HB3	1:6:A:ALA:H	7	0.13
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	4	0.13
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	4	0.13
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	4	0.13
(1,317)	1:8:A:ASP:HB2	1:59:A:VAL:HA	5	0.13
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	6	0.13
(1,306)	1:9:A:ILE:HB	1:84:A:SER:HB2	11	0.13
(1,306)	1:9:A:ILE:HB	1:84:A:SER:HB3	11	0.13
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	4	0.13
(1,299)	1:60:A:ASP:HB3	1:61:A:ASP:H	6	0.13
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	13	0.13
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	9	0.13
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	16	0.13
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	8	0.13
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	18	0.13
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD11	19	0.13
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD12	19	0.13
(1,265)	1:24:A:LEU:HB3	1:37:A:ILE:HD13	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD11	20	0.13
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD12	20	0.13
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD13	20	0.13
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	3	0.13
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	3	0.13
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	3	0.13
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	3	0.13
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	14	0.13
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	15	0.13
(1,249)	1:36:A:ASN:HB3	1:55:A:GLU:HB3	5	0.13
(1,246)	1:15:A:ILE:HA	1:16:A:ASP:HB3	8	0.13
(1,244)	1:36:A:ASN:H	1:36:A:ASN:HB2	3	0.13
(1,241)	1:82:A:ASN:H	1:82:A:ASN:HB3	16	0.13
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	1	0.13
(1,233)	1:82:A:ASN:HB3	1:83:A:TYR:H	7	0.13
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	5	0.13
(1,227)	1:10:A:LEU:HB3	1:11:A:PHE:H	14	0.13
(1,227)	1:10:A:LEU:HB3	1:11:A:PHE:H	16	0.13
(1,224)	1:35:A:ARG:HD2	1:36:A:ASN:H	12	0.13
(1,224)	1:35:A:ARG:HD3	1:36:A:ASN:H	12	0.13
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	4	0.13
(1,214)	1:41:A:LEU:HB3	1:47:A:LYS:H	5	0.13
(1,213)	1:41:A:LEU:H	1:41:A:LEU:HB3	13	0.13
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	6	0.13
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	7	0.13
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	8	0.13
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	12	0.13
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	17	0.13
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	19	0.13
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE1	3	0.13
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE2	3	0.13
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE1	12	0.13
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE2	12	0.13
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG2	10	0.13
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG3	10	0.13
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	12	0.13
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	6	0.13
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	7	0.13
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE1	20	0.13
(1,183)	1:40:A:PRO:HD3	1:51:A:PHE:HE2	20	0.13
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	17	0.13
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	5	0.13
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	7	0.13
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	7	0.13
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB2	9	0.13
(1,172)	1:5:A:ASN:HA	1:5:A:ASN:HB3	9	0.13
(1,164)	1:16:A:ASP:HA	1:17:A:GLU:H	18	0.13
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	9	0.13
(1,147)	1:14:A:GLY:H	1:51:A:PHE:HA	4	0.13
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	10	0.13
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG21	14	0.13
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG22	14	0.13
(1,135)	1:78:A:ARG:HA	1:79:A:ILE:HG23	14	0.13
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	15	0.13
(1,130)	1:12:A:VAL:H	1:53:A:PHE:HA	16	0.13
(1,129)	1:38:A:GLU:H	1:53:A:PHE:HA	15	0.13
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	5	0.13
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	1	0.13
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	9	0.13
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	9	0.13
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	16	0.13
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	16	0.13
(1,105)	1:84:A:SER:HA	1:85:A:LYS:H	1	0.13
(1,101)	1:17:A:GLU:HA	1:47:A:LYS:HA	2	0.13
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	11	0.13
(1,91)	1:22:A:LYS:HA	1:25:A:TYR:H	18	0.13
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD2	12	0.13
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD3	12	0.13
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	17	0.13
(1,82)	1:19:A:ILE:HA	1:20:A:ASP:H	19	0.13
(1,74)	1:13:A:GLY:H	1:81:A:VAL:HA	1	0.13
(1,74)	1:13:A:GLY:H	1:81:A:VAL:HA	6	0.13
(1,74)	1:13:A:GLY:H	1:81:A:VAL:HA	8	0.13
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	3	0.13
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	12	0.13
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	17	0.13
(1,70)	1:66:A:LEU:HD11	1:67:A:TYR:HA	9	0.13
(1,70)	1:66:A:LEU:HD12	1:67:A:TYR:HA	9	0.13
(1,70)	1:66:A:LEU:HD13	1:67:A:TYR:HA	9	0.13
(1,69)	1:66:A:LEU:HG	1:67:A:TYR:HA	6	0.13
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	1	0.13
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	20	0.13
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	20	0.13
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	20	0.13
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	20	0.13
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	20	0.13
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	3	0.13
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	9	0.13
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	6	0.13
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	8	0.13
(1,51)	1:23:A:SER:HA	1:26:A:ASP:H	1	0.13
(1,51)	1:23:A:SER:HA	1:26:A:ASP:H	12	0.13
(1,50)	1:23:A:SER:HA	1:26:A:ASP:HB3	16	0.13
(1,49)	1:23:A:SER:HA	1:26:A:ASP:HB2	13	0.13
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD11	8	0.13
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD12	8	0.13
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD13	8	0.13
(1,39)	1:22:A:LYS:HB2	1:23:A:SER:HB3	12	0.13
(1,39)	1:22:A:LYS:HB3	1:23:A:SER:HB3	12	0.13
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	2	0.13
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	2	0.13
(1,31)	1:25:A:TYR:HA	1:37:A:ILE:HG12	17	0.13
(1,31)	1:25:A:TYR:HA	1:37:A:ILE:HG13	17	0.13
(1,26)	1:9:A:ILE:HD11	1:86:A:THR:HA	11	0.13
(1,26)	1:9:A:ILE:HD12	1:86:A:THR:HA	11	0.13
(1,26)	1:9:A:ILE:HD13	1:86:A:THR:HA	11	0.13
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	2	0.13
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	8	0.13
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD2	4	0.12
(1,1546)	1:15:A:ILE:HG21	1:77:A:LYS:HD3	4	0.12
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD2	4	0.12
(1,1546)	1:15:A:ILE:HG22	1:77:A:LYS:HD3	4	0.12
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD2	4	0.12
(1,1546)	1:15:A:ILE:HG23	1:77:A:LYS:HD3	4	0.12
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG21	12	0.12
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG22	12	0.12
(1,1540)	1:14:A:GLY:H	1:79:A:ILE:HG23	12	0.12
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	14	0.12
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG21	4	0.12
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG22	4	0.12
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG23	4	0.12
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG21	4	0.12
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG22	4	0.12
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG23	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG21	4	0.12
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG22	4	0.12
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG23	4	0.12
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG21	5	0.12
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG22	5	0.12
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG23	5	0.12
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG21	5	0.12
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG22	5	0.12
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG23	5	0.12
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG21	5	0.12
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG22	5	0.12
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG23	5	0.12
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD11	4	0.12
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD12	4	0.12
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD13	4	0.12
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	7	0.12
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	7	0.12
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	7	0.12
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG21	9	0.12
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG22	9	0.12
(1,1514)	1:24:A:LEU:HB2	1:37:A:ILE:HG23	9	0.12
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG21	8	0.12
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG22	8	0.12
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG23	8	0.12
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG21	8	0.12
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG22	8	0.12
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG23	8	0.12
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG11	2	0.12
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG12	2	0.12
(1,1498)	1:37:A:ILE:HG12	1:54:A:VAL:HG13	2	0.12
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG11	2	0.12
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG12	2	0.12
(1,1498)	1:37:A:ILE:HG13	1:54:A:VAL:HG13	2	0.12
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	11	0.12
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	11	0.12
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	11	0.12
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	11	0.12
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	11	0.12
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	11	0.12
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG11	16	0.12
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG12	16	0.12
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG13	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG21	16	0.12
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG22	16	0.12
(1,1496)	1:21:A:GLU:HB3	1:39:A:VAL:HG23	16	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	2	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	2	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	2	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	2	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	2	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	2	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG11	6	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG12	6	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG13	6	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG21	6	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG22	6	0.12
(1,1495)	1:20:A:ASP:HB2	1:39:A:VAL:HG23	6	0.12
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	20	0.12
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	20	0.12
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	20	0.12
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	20	0.12
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	20	0.12
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	20	0.12
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG21	7	0.12
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG22	7	0.12
(1,1490)	1:9:A:ILE:HG21	1:86:A:THR:HG23	7	0.12
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG21	7	0.12
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG22	7	0.12
(1,1490)	1:9:A:ILE:HG22	1:86:A:THR:HG23	7	0.12
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG21	7	0.12
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG22	7	0.12
(1,1490)	1:9:A:ILE:HG23	1:86:A:THR:HG23	7	0.12
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG21	3	0.12
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG22	3	0.12
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG23	3	0.12
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG21	3	0.12
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG22	3	0.12
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG23	3	0.12
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG21	20	0.12
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG22	20	0.12
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG23	20	0.12
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG21	20	0.12
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG22	20	0.12
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG23	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD11	20	0.12
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD12	20	0.12
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD13	20	0.12
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD11	20	0.12
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD12	20	0.12
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD13	20	0.12
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD11	20	0.12
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD12	20	0.12
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD13	20	0.12
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG11	17	0.12
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG12	17	0.12
(1,1478)	1:12:A:VAL:HG21	1:81:A:VAL:HG13	17	0.12
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG11	17	0.12
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG12	17	0.12
(1,1478)	1:12:A:VAL:HG22	1:81:A:VAL:HG13	17	0.12
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG11	17	0.12
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG12	17	0.12
(1,1478)	1:12:A:VAL:HG23	1:81:A:VAL:HG13	17	0.12
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	1	0.12
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	1	0.12
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	1	0.12
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	1	0.12
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	12	0.12
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	12	0.12
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	12	0.12
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	12	0.12
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	17	0.12
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	17	0.12
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	17	0.12
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	17	0.12
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	5	0.12
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	5	0.12
(1,1462)	1:33:A:ASP:HA	1:34:A:ILE:HG12	16	0.12
(1,1453)	1:77:A:LYS:HB3	1:77:A:LYS:HD2	13	0.12
(1,1453)	1:77:A:LYS:HB3	1:77:A:LYS:HD3	13	0.12
(1,1443)	1:41:A:LEU:HA	1:48:A:ASN:HB2	4	0.12
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE2	3	0.12
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE3	3	0.12
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE2	5	0.12
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE3	5	0.12
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE2	6	0.12
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE3	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE2	11	0.12
(1,1430)	1:20:A:ASP:HB3	1:22:A:LYS:HE3	11	0.12
(1,1417)	1:8:A:ASP:HA	1:59:A:VAL:HG21	19	0.12
(1,1417)	1:8:A:ASP:HA	1:59:A:VAL:HG22	19	0.12
(1,1417)	1:8:A:ASP:HA	1:59:A:VAL:HG23	19	0.12
(1,1414)	1:58:A:GLU:HA	1:61:A:ASP:HB2	14	0.12
(1,1414)	1:58:A:GLU:HA	1:61:A:ASP:HB2	20	0.12
(1,1406)	1:56:A:TYR:HE1	1:62:A:ALA:HA	6	0.12
(1,1406)	1:56:A:TYR:HE2	1:62:A:ALA:HA	6	0.12
(1,1406)	1:56:A:TYR:HE1	1:62:A:ALA:HA	7	0.12
(1,1406)	1:56:A:TYR:HE2	1:62:A:ALA:HA	7	0.12
(1,1406)	1:56:A:TYR:HE1	1:62:A:ALA:HA	16	0.12
(1,1406)	1:56:A:TYR:HE2	1:62:A:ALA:HA	16	0.12
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	7	0.12
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	7	0.12
(1,1405)	1:56:A:TYR:HD1	1:62:A:ALA:HA	17	0.12
(1,1405)	1:56:A:TYR:HD2	1:62:A:ALA:HA	17	0.12
(1,1395)	1:41:A:LEU:HB3	1:46:A:LYS:HA	4	0.12
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB2	18	0.12
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB3	18	0.12
(1,1390)	1:17:A:GLU:HA	1:48:A:ASN:HD22	20	0.12
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD1	12	0.12
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD2	12	0.12
(1,1383)	1:10:A:LEU:HA	1:83:A:TYR:HA	10	0.12
(1,1372)	1:12:A:VAL:HG11	1:81:A:VAL:HA	2	0.12
(1,1372)	1:12:A:VAL:HG12	1:81:A:VAL:HA	2	0.12
(1,1372)	1:12:A:VAL:HG13	1:81:A:VAL:HA	2	0.12
(1,1365)	1:29:A:SER:HA	1:34:A:ILE:HG12	10	0.12
(1,1362)	1:29:A:SER:HB3	1:34:A:ILE:HD11	15	0.12
(1,1362)	1:29:A:SER:HB3	1:34:A:ILE:HD12	15	0.12
(1,1362)	1:29:A:SER:HB3	1:34:A:ILE:HD13	15	0.12
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB2	6	0.12
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB3	6	0.12
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB2	6	0.12
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB3	6	0.12
(1,1352)	1:45:A:THR:HB	1:47:A:LYS:HG2	7	0.12
(1,1352)	1:45:A:THR:HB	1:47:A:LYS:HG3	7	0.12
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	4	0.12
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	4	0.12
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	4	0.12
(1,1343)	1:29:A:SER:H	1:32:A:GLY:H	1	0.12
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	9	0.12
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	9	0.12
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD11	20	0.12
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD12	20	0.12
(1,1340)	1:14:A:GLY:H	1:15:A:ILE:HD13	20	0.12
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	4	0.12
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	16	0.12
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	20	0.12
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG12	16	0.12
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG13	16	0.12
(1,1315)	1:11:A:PHE:HE1	1:13:A:GLY:H	4	0.12
(1,1315)	1:11:A:PHE:HE2	1:13:A:GLY:H	4	0.12
(1,1305)	1:74:A:LEU:HD21	1:75:A:ASN:HD22	15	0.12
(1,1305)	1:74:A:LEU:HD22	1:75:A:ASN:HD22	15	0.12
(1,1305)	1:74:A:LEU:HD23	1:75:A:ASN:HD22	15	0.12
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG21	14	0.12
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG22	14	0.12
(1,1304)	1:7:A:THR:H	1:9:A:ILE:HG23	14	0.12
(1,1293)	1:68:A:ASN:HD22	1:69:A:MET:HA	9	0.12
(1,1293)	1:68:A:ASN:HD22	1:69:A:MET:HA	14	0.12
(1,1293)	1:68:A:ASN:HD22	1:69:A:MET:HA	16	0.12
(1,1281)	1:14:A:GLY:HA3	1:51:A:PHE:H	8	0.12
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	10	0.12
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	12	0.12
(1,1270)	1:43:A:MET:H	1:44:A:THR:H	18	0.12
(1,1264)	1:8:A:ASP:H	1:56:A:TYR:HB3	18	0.12
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	2	0.12
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	5	0.12
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	1	0.12
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	3	0.12
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	14	0.12
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	5	0.12
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	2	0.12
(1,1227)	1:65:A:ALA:H	1:67:A:TYR:H	7	0.12
(1,1227)	1:65:A:ALA:H	1:67:A:TYR:H	17	0.12
(1,1226)	1:66:A:LEU:H	1:67:A:TYR:H	11	0.12
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	10	0.12
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	9	0.12
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	9	0.12
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	9	0.12
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	12	0.12
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	12	0.12
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	18	0.12
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	18	0.12
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	18	0.12
(1,1216)	1:17:A:GLU:HB2	1:48:A:ASN:HD21	12	0.12
(1,1216)	1:17:A:GLU:HB3	1:48:A:ASN:HD21	12	0.12
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	7	0.12
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	11	0.12
(1,1211)	1:41:A:LEU:HD11	1:49:A:ARG:H	20	0.12
(1,1211)	1:41:A:LEU:HD12	1:49:A:ARG:H	20	0.12
(1,1211)	1:41:A:LEU:HD13	1:49:A:ARG:H	20	0.12
(1,1208)	1:47:A:LYS:HD2	1:49:A:ARG:H	17	0.12
(1,1208)	1:47:A:LYS:HD3	1:49:A:ARG:H	17	0.12
(1,1203)	1:41:A:LEU:HD11	1:47:A:LYS:H	13	0.12
(1,1203)	1:41:A:LEU:HD12	1:47:A:LYS:H	13	0.12
(1,1203)	1:41:A:LEU:HD13	1:47:A:LYS:H	13	0.12
(1,1197)	1:63:A:LYS:H	1:64:A:HIS:H	8	0.12
(1,1193)	1:70:A:ASN:H	1:71:A:ASN:HD22	10	0.12
(1,1191)	1:70:A:ASN:H	1:71:A:ASN:HD21	10	0.12
(1,1184)	1:41:A:LEU:HD21	1:48:A:ASN:H	5	0.12
(1,1184)	1:41:A:LEU:HD22	1:48:A:ASN:H	5	0.12
(1,1184)	1:41:A:LEU:HD23	1:48:A:ASN:H	5	0.12
(1,1165)	1:21:A:GLU:H	1:21:A:GLU:HG3	5	0.12
(1,1165)	1:21:A:GLU:H	1:21:A:GLU:HG3	18	0.12
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	9	0.12
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	9	0.12
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	3	0.12
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	6	0.12
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	16	0.12
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	20	0.12
(1,1139)	1:33:A:ASP:HB2	1:57:A:VAL:H	1	0.12
(1,1139)	1:33:A:ASP:HB3	1:57:A:VAL:H	1	0.12
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG21	13	0.12
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG22	13	0.12
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG23	13	0.12
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	11	0.12
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	19	0.12
(1,1122)	1:59:A:VAL:HA	1:61:A:ASP:H	5	0.12
(1,1122)	1:59:A:VAL:HA	1:61:A:ASP:H	19	0.12
(1,1113)	1:26:A:ASP:H	1:27:A:ILE:H	19	0.12
(1,1106)	1:79:A:ILE:H	1:79:A:ILE:HB	11	0.12
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	19	0.12
(1,1083)	1:39:A:VAL:HG11	1:52:A:ALA:H	9	0.12
(1,1083)	1:39:A:VAL:HG12	1:52:A:ALA:H	9	0.12
(1,1083)	1:39:A:VAL:HG13	1:52:A:ALA:H	9	0.12
(1,1083)	1:39:A:VAL:HG21	1:52:A:ALA:H	9	0.12
(1,1083)	1:39:A:VAL:HG22	1:52:A:ALA:H	9	0.12
(1,1083)	1:39:A:VAL:HG23	1:52:A:ALA:H	9	0.12
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	11	0.12
(1,1082)	1:73:A:GLU:HB2	1:77:A:LYS:H	19	0.12
(1,1074)	1:41:A:LEU:H	1:42:A:ASN:H	18	0.12
(1,1071)	1:69:A:MET:HA	1:71:A:ASN:H	14	0.12
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	13	0.12
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	14	0.12
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	15	0.12
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	19	0.12
(1,1051)	1:60:A:ASP:HA	1:62:A:ALA:H	13	0.12
(1,1049)	1:60:A:ASP:H	1:62:A:ALA:H	6	0.12
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	1	0.12
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	1	0.12
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	1	0.12
(1,1022)	1:81:A:VAL:H	1:82:A:ASN:H	20	0.12
(1,1019)	1:80:A:HIS:HB2	1:81:A:VAL:H	5	0.12
(1,1019)	1:80:A:HIS:HB2	1:81:A:VAL:H	6	0.12
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	6	0.12
(1,1014)	1:11:A:PHE:H	1:83:A:TYR:HA	13	0.12
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	2	0.12
(1,995)	1:20:A:ASP:H	1:21:A:GLU:H	14	0.12
(1,991)	1:73:A:GLU:H	1:73:A:GLU:HG3	5	0.12
(1,989)	1:72:A:PHE:HE1	1:73:A:GLU:H	17	0.12
(1,989)	1:72:A:PHE:HE2	1:73:A:GLU:H	17	0.12
(1,982)	1:38:A:GLU:HG2	1:39:A:VAL:H	7	0.12
(1,982)	1:38:A:GLU:HG2	1:39:A:VAL:H	15	0.12
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	4	0.12
(1,964)	1:56:A:TYR:H	1:57:A:VAL:H	9	0.12
(1,960)	1:10:A:LEU:HB3	1:12:A:VAL:H	9	0.12
(1,955)	1:74:A:LEU:H	1:76:A:GLY:H	1	0.12
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	3	0.12
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	3	0.12
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	3	0.12
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	12	0.12
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	12	0.12
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	20	0.12
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	20	0.12
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	20	0.12
(1,950)	1:35:A:ARG:H	1:55:A:GLU:HG2	3	0.12
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	8	0.12
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	8	0.12
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	16	0.12
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	16	0.12
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE1	13	0.12
(1,947)	1:10:A:LEU:HD11	1:56:A:TYR:HE2	13	0.12
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE1	13	0.12
(1,947)	1:10:A:LEU:HD12	1:56:A:TYR:HE2	13	0.12
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE1	13	0.12
(1,947)	1:10:A:LEU:HD13	1:56:A:TYR:HE2	13	0.12
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	8	0.12
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	8	0.12
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE1	18	0.12
(1,944)	1:32:A:GLY:HA2	1:56:A:TYR:HE2	18	0.12
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE1	18	0.12
(1,941)	1:6:A:ALA:HA	1:83:A:TYR:HE2	18	0.12
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	11	0.12
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	11	0.12
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	11	0.12
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	11	0.12
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	11	0.12
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	11	0.12
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD1	3	0.12
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD2	3	0.12
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD1	3	0.12
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD2	3	0.12
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD1	3	0.12
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD2	3	0.12
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD1	11	0.12
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD2	11	0.12
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD1	11	0.12
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD2	11	0.12
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD1	11	0.12
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD2	11	0.12
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	4	0.12
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	4	0.12
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	4	0.12
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	7	0.12
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	7	0.12
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE1	19	0.12
(1,919)	1:10:A:LEU:HG	1:28:A:PHE:HE2	19	0.12
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE1	13	0.12
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE2	13	0.12
(1,917)	1:51:A:PHE:HD1	1:52:A:ALA:HA	20	0.12
(1,917)	1:51:A:PHE:HD2	1:52:A:ALA:HA	20	0.12
(1,911)	1:16:A:ASP:HB3	1:19:A:ILE:HD11	17	0.12
(1,911)	1:16:A:ASP:HB3	1:19:A:ILE:HD12	17	0.12
(1,911)	1:16:A:ASP:HB3	1:19:A:ILE:HD13	17	0.12
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD11	20	0.12
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD12	20	0.12
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD13	20	0.12
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	14	0.12
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	14	0.12
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	14	0.12
(1,903)	1:34:A:ILE:HD11	1:54:A:VAL:HG21	19	0.12
(1,903)	1:34:A:ILE:HD11	1:54:A:VAL:HG22	19	0.12
(1,903)	1:34:A:ILE:HD11	1:54:A:VAL:HG23	19	0.12
(1,903)	1:34:A:ILE:HD12	1:54:A:VAL:HG21	19	0.12
(1,903)	1:34:A:ILE:HD12	1:54:A:VAL:HG22	19	0.12
(1,903)	1:34:A:ILE:HD12	1:54:A:VAL:HG23	19	0.12
(1,903)	1:34:A:ILE:HD13	1:54:A:VAL:HG21	19	0.12
(1,903)	1:34:A:ILE:HD13	1:54:A:VAL:HG22	19	0.12
(1,903)	1:34:A:ILE:HD13	1:54:A:VAL:HG23	19	0.12
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD11	18	0.12
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD12	18	0.12
(1,891)	1:25:A:TYR:HD1	1:34:A:ILE:HD13	18	0.12
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD11	18	0.12
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD12	18	0.12
(1,891)	1:25:A:TYR:HD2	1:34:A:ILE:HD13	18	0.12
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	20	0.12
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	20	0.12
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	20	0.12
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD11	14	0.12
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD12	14	0.12
(1,885)	1:15:A:ILE:H	1:15:A:ILE:HD13	14	0.12
(1,882)	1:15:A:ILE:HD11	1:16:A:ASP:H	5	0.12
(1,882)	1:15:A:ILE:HD12	1:16:A:ASP:H	5	0.12
(1,882)	1:15:A:ILE:HD13	1:16:A:ASP:H	5	0.12
(1,882)	1:15:A:ILE:HD11	1:16:A:ASP:H	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:15:A:ILE:HD12	1:16:A:ASP:H	13	0.12
(1,882)	1:15:A:ILE:HD13	1:16:A:ASP:H	13	0.12
(1,882)	1:15:A:ILE:HD11	1:16:A:ASP:H	16	0.12
(1,882)	1:15:A:ILE:HD12	1:16:A:ASP:H	16	0.12
(1,882)	1:15:A:ILE:HD13	1:16:A:ASP:H	16	0.12
(1,881)	1:15:A:ILE:HD11	1:52:A:ALA:H	13	0.12
(1,881)	1:15:A:ILE:HD12	1:52:A:ALA:H	13	0.12
(1,881)	1:15:A:ILE:HD13	1:52:A:ALA:H	13	0.12
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	12	0.12
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	12	0.12
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	12	0.12
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD11	13	0.12
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD12	13	0.12
(1,861)	1:24:A:LEU:H	1:27:A:ILE:HD13	13	0.12
(1,858)	1:9:A:ILE:HD11	1:55:A:GLU:HG2	12	0.12
(1,858)	1:9:A:ILE:HD12	1:55:A:GLU:HG2	12	0.12
(1,858)	1:9:A:ILE:HD13	1:55:A:GLU:HG2	12	0.12
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG21	11	0.12
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG22	11	0.12
(1,857)	1:37:A:ILE:HG21	1:54:A:VAL:HG23	11	0.12
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG21	11	0.12
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG22	11	0.12
(1,857)	1:37:A:ILE:HG22	1:54:A:VAL:HG23	11	0.12
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG21	11	0.12
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG22	11	0.12
(1,857)	1:37:A:ILE:HG23	1:54:A:VAL:HG23	11	0.12
(1,852)	1:37:A:ILE:HG21	1:54:A:VAL:HA	15	0.12
(1,852)	1:37:A:ILE:HG22	1:54:A:VAL:HA	15	0.12
(1,852)	1:37:A:ILE:HG23	1:54:A:VAL:HA	15	0.12
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG21	11	0.12
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG22	11	0.12
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG23	11	0.12
(1,844)	1:27:A:ILE:HG21	1:28:A:PHE:H	16	0.12
(1,844)	1:27:A:ILE:HG22	1:28:A:PHE:H	16	0.12
(1,844)	1:27:A:ILE:HG23	1:28:A:PHE:H	16	0.12
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	1	0.12
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	1	0.12
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	1	0.12
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	11	0.12
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	11	0.12
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	11	0.12
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	19	0.12
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	19	0.12
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG21	7	0.12
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG22	7	0.12
(1,828)	1:25:A:TYR:HE1	1:34:A:ILE:HG23	7	0.12
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG21	7	0.12
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG22	7	0.12
(1,828)	1:25:A:TYR:HE2	1:34:A:ILE:HG23	7	0.12
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	17	0.12
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	17	0.12
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	17	0.12
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	17	0.12
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	17	0.12
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	17	0.12
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	4	0.12
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	4	0.12
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	4	0.12
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	12	0.12
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	12	0.12
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	12	0.12
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB1	16	0.12
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB2	16	0.12
(1,809)	1:10:A:LEU:H	1:62:A:ALA:HB3	16	0.12
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB1	8	0.12
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB2	8	0.12
(1,807)	1:15:A:ILE:HG21	1:52:A:ALA:HB3	8	0.12
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB1	8	0.12
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB2	8	0.12
(1,807)	1:15:A:ILE:HG22	1:52:A:ALA:HB3	8	0.12
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB1	8	0.12
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB2	8	0.12
(1,807)	1:15:A:ILE:HG23	1:52:A:ALA:HB3	8	0.12
(1,803)	1:19:A:ILE:HG21	1:20:A:ASP:H	4	0.12
(1,803)	1:19:A:ILE:HG22	1:20:A:ASP:H	4	0.12
(1,803)	1:19:A:ILE:HG23	1:20:A:ASP:H	4	0.12
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	4	0.12
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	4	0.12
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	4	0.12
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	9	0.12
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	9	0.12
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	9	0.12
(1,801)	1:19:A:ILE:HG21	1:23:A:SER:HB2	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,801)	1:19:A:ILE:HG22	1:23:A:SER:HB2	14	0.12
(1,801)	1:19:A:ILE:HG23	1:23:A:SER:HB2	14	0.12
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	8	0.12
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	8	0.12
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	8	0.12
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	7	0.12
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	7	0.12
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	7	0.12
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG21	3	0.12
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG22	3	0.12
(1,782)	1:52:A:ALA:HB1	1:54:A:VAL:HG23	3	0.12
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG21	3	0.12
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG22	3	0.12
(1,782)	1:52:A:ALA:HB2	1:54:A:VAL:HG23	3	0.12
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG21	3	0.12
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG22	3	0.12
(1,782)	1:52:A:ALA:HB3	1:54:A:VAL:HG23	3	0.12
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG21	12	0.12
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG22	12	0.12
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG23	12	0.12
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG21	13	0.12
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG22	13	0.12
(1,773)	1:12:A:VAL:H	1:54:A:VAL:HG23	13	0.12
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG21	19	0.12
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG22	19	0.12
(1,770)	1:54:A:VAL:H	1:54:A:VAL:HG23	19	0.12
(1,767)	1:62:A:ALA:HA	1:65:A:ALA:HB1	13	0.12
(1,767)	1:62:A:ALA:HA	1:65:A:ALA:HB2	13	0.12
(1,767)	1:62:A:ALA:HA	1:65:A:ALA:HB3	13	0.12
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB1	2	0.12
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB2	2	0.12
(1,765)	1:56:A:TYR:HE1	1:65:A:ALA:HB3	2	0.12
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB1	2	0.12
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB2	2	0.12
(1,765)	1:56:A:TYR:HE2	1:65:A:ALA:HB3	2	0.12
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	4	0.12
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	4	0.12
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	4	0.12
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	4	0.12
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	4	0.12
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	4	0.12
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	4	0.12
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	4	0.12
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG21	8	0.12
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG22	8	0.12
(1,750)	1:12:A:VAL:HG21	1:81:A:VAL:HG23	8	0.12
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG21	8	0.12
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG22	8	0.12
(1,750)	1:12:A:VAL:HG22	1:81:A:VAL:HG23	8	0.12
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG21	8	0.12
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG22	8	0.12
(1,750)	1:12:A:VAL:HG23	1:81:A:VAL:HG23	8	0.12
(1,749)	1:12:A:VAL:HG21	1:54:A:VAL:H	8	0.12
(1,749)	1:12:A:VAL:HG22	1:54:A:VAL:H	8	0.12
(1,749)	1:12:A:VAL:HG23	1:54:A:VAL:H	8	0.12
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG21	15	0.12
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG22	15	0.12
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG23	15	0.12
(1,745)	1:12:A:VAL:HG21	1:81:A:VAL:HA	18	0.12
(1,745)	1:12:A:VAL:HG22	1:81:A:VAL:HA	18	0.12
(1,745)	1:12:A:VAL:HG23	1:81:A:VAL:HA	18	0.12
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	15	0.12
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	15	0.12
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	15	0.12
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG11	9	0.12
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG12	9	0.12
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG13	9	0.12
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG11	4	0.12
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG12	4	0.12
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG13	4	0.12
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG11	19	0.12
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG12	19	0.12
(1,738)	1:34:A:ILE:HA	1:54:A:VAL:HG13	19	0.12
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	13	0.12
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	13	0.12
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	13	0.12
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	13	0.12
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	13	0.12
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	13	0.12
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG11	12	0.12
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG12	12	0.12
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG13	12	0.12
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG21	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG22	12	0.12
(1,718)	1:38:A:GLU:H	1:39:A:VAL:HG23	12	0.12
(1,701)	1:45:A:THR:HG21	1:46:A:LYS:H	3	0.12
(1,701)	1:45:A:THR:HG22	1:46:A:LYS:H	3	0.12
(1,701)	1:45:A:THR:HG23	1:46:A:LYS:H	3	0.12
(1,693)	1:7:A:THR:HG21	1:9:A:ILE:H	3	0.12
(1,693)	1:7:A:THR:HG22	1:9:A:ILE:H	3	0.12
(1,693)	1:7:A:THR:HG23	1:9:A:ILE:H	3	0.12
(1,693)	1:7:A:THR:HG21	1:9:A:ILE:H	13	0.12
(1,693)	1:7:A:THR:HG22	1:9:A:ILE:H	13	0.12
(1,693)	1:7:A:THR:HG23	1:9:A:ILE:H	13	0.12
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	10	0.12
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	10	0.12
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	10	0.12
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	10	0.12
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	10	0.12
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	10	0.12
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	10	0.12
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	10	0.12
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	10	0.12
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	8	0.12
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	8	0.12
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	8	0.12
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	14	0.12
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	14	0.12
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	14	0.12
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	17	0.12
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	17	0.12
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	17	0.12
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	17	0.12
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	17	0.12
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	17	0.12
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	17	0.12
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	17	0.12
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	17	0.12
(1,674)	1:41:A:LEU:HD21	1:46:A:LYS:HA	19	0.12
(1,674)	1:41:A:LEU:HD22	1:46:A:LYS:HA	19	0.12
(1,674)	1:41:A:LEU:HD23	1:46:A:LYS:HA	19	0.12
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG21	1	0.12
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG22	1	0.12
(1,670)	1:70:A:ASN:H	1:81:A:VAL:HG23	1	0.12
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	3	0.12
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	3	0.12
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	2	0.12
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	2	0.12
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	2	0.12
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	1	0.12
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	1	0.12
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	1	0.12
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	15	0.12
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	15	0.12
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	15	0.12
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	11	0.12
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	11	0.12
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	11	0.12
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	19	0.12
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	19	0.12
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	19	0.12
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG21	19	0.12
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG22	19	0.12
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG23	19	0.12
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	3	0.12
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	3	0.12
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	3	0.12
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	19	0.12
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	19	0.12
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	19	0.12
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	19	0.12
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	19	0.12
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	19	0.12
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD1	7	0.12
(1,639)	1:10:A:LEU:HD21	1:56:A:TYR:HD2	7	0.12
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD1	7	0.12
(1,639)	1:10:A:LEU:HD22	1:56:A:TYR:HD2	7	0.12
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD1	7	0.12
(1,639)	1:10:A:LEU:HD23	1:56:A:TYR:HD2	7	0.12
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	14	0.12
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	14	0.12
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	14	0.12
(1,619)	1:7:A:THR:HB	1:63:A:LYS:HG2	8	0.12
(1,619)	1:7:A:THR:HB	1:63:A:LYS:HG3	8	0.12
(1,614)	1:66:A:LEU:HD11	1:67:A:TYR:HE1	13	0.12
(1,614)	1:66:A:LEU:HD11	1:67:A:TYR:HE2	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:66:A:LEU:HD12	1:67:A:TYR:HE1	13	0.12
(1,614)	1:66:A:LEU:HD12	1:67:A:TYR:HE2	13	0.12
(1,614)	1:66:A:LEU:HD13	1:67:A:TYR:HE1	13	0.12
(1,614)	1:66:A:LEU:HD13	1:67:A:TYR:HE2	13	0.12
(1,610)	1:66:A:LEU:HD11	1:67:A:TYR:H	13	0.12
(1,610)	1:66:A:LEU:HD12	1:67:A:TYR:H	13	0.12
(1,610)	1:66:A:LEU:HD13	1:67:A:TYR:H	13	0.12
(1,600)	1:41:A:LEU:HD11	1:46:A:LYS:HA	15	0.12
(1,600)	1:41:A:LEU:HD12	1:46:A:LYS:HA	15	0.12
(1,600)	1:41:A:LEU:HD13	1:46:A:LYS:HA	15	0.12
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB1	2	0.12
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB2	2	0.12
(1,589)	1:39:A:VAL:H	1:52:A:ALA:HB3	2	0.12
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	7	0.12
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	7	0.12
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	7	0.12
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	7	0.12
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	7	0.12
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	7	0.12
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	9	0.12
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	9	0.12
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	9	0.12
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	9	0.12
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	9	0.12
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	9	0.12
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	16	0.12
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	16	0.12
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	16	0.12
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	16	0.12
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	16	0.12
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	16	0.12
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	20	0.12
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	20	0.12
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	20	0.12
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	20	0.12
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	20	0.12
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	20	0.12
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD11	10	0.12
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD12	10	0.12
(1,580)	1:15:A:ILE:HG12	1:19:A:ILE:HD13	10	0.12
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD11	10	0.12
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD12	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:15:A:ILE:HG13	1:19:A:ILE:HD13	10	0.12
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG12	4	0.12
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG13	4	0.12
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG12	8	0.12
(1,578)	1:74:A:LEU:HB2	1:79:A:ILE:HG13	8	0.12
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD21	5	0.12
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD22	5	0.12
(1,574)	1:74:A:LEU:H	1:74:A:LEU:HD23	5	0.12
(1,572)	1:66:A:LEU:HD21	1:82:A:ASN:HB3	15	0.12
(1,572)	1:66:A:LEU:HD22	1:82:A:ASN:HB3	15	0.12
(1,572)	1:66:A:LEU:HD23	1:82:A:ASN:HB3	15	0.12
(1,572)	1:66:A:LEU:HD21	1:82:A:ASN:HB3	19	0.12
(1,572)	1:66:A:LEU:HD22	1:82:A:ASN:HB3	19	0.12
(1,572)	1:66:A:LEU:HD23	1:82:A:ASN:HB3	19	0.12
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG2	5	0.12
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG3	5	0.12
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG2	12	0.12
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG3	12	0.12
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG2	18	0.12
(1,563)	1:73:A:GLU:HA	1:78:A:ARG:HG3	18	0.12
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	5	0.12
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	5	0.12
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	5	0.12
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	1	0.12
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	1	0.12
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	1	0.12
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	1	0.12
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	12	0.12
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	12	0.12
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	12	0.12
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	12	0.12
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	20	0.12
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	20	0.12
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	20	0.12
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	20	0.12
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	5	0.12
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	5	0.12
(1,543)	1:35:A:ARG:HG2	1:36:A:ASN:H	19	0.12
(1,543)	1:35:A:ARG:HG3	1:36:A:ASN:H	19	0.12
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	8	0.12
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	8	0.12
(1,540)	1:9:A:ILE:HG12	1:55:A:GLU:HA	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	8	0.12
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	16	0.12
(1,526)	1:40:A:PRO:HG2	1:53:A:PHE:HE1	1	0.12
(1,526)	1:40:A:PRO:HG2	1:53:A:PHE:HE2	1	0.12
(1,526)	1:40:A:PRO:HG3	1:53:A:PHE:HE1	1	0.12
(1,526)	1:40:A:PRO:HG3	1:53:A:PHE:HE2	1	0.12
(1,524)	1:40:A:PRO:HG2	1:52:A:ALA:HA	12	0.12
(1,524)	1:40:A:PRO:HG3	1:52:A:ALA:HA	12	0.12
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	18	0.12
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	18	0.12
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG12	3	0.12
(1,520)	1:37:A:ILE:H	1:37:A:ILE:HG13	3	0.12
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	9	0.12
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	9	0.12
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	15	0.12
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	15	0.12
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD2	18	0.12
(1,508)	1:45:A:THR:HG21	1:47:A:LYS:HD3	18	0.12
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD2	18	0.12
(1,508)	1:45:A:THR:HG22	1:47:A:LYS:HD3	18	0.12
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD2	18	0.12
(1,508)	1:45:A:THR:HG23	1:47:A:LYS:HD3	18	0.12
(1,504)	1:64:A:HIS:HB3	1:65:A:ALA:H	15	0.12
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB1	6	0.12
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB2	6	0.12
(1,503)	1:64:A:HIS:HB2	1:65:A:ALA:HB3	6	0.12
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	8	0.12
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	8	0.12
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	20	0.12
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	20	0.12
(1,486)	1:-1:A:SER:HA	1:0:A:HIS:HB2	5	0.12
(1,483)	1:78:A:ARG:HB3	1:79:A:ILE:H	4	0.12
(1,479)	1:73:A:GLU:HB2	1:76:A:GLY:H	15	0.12
(1,469)	1:35:A:ARG:HB3	1:55:A:GLU:HB2	8	0.12
(1,468)	1:36:A:ASN:HB2	1:55:A:GLU:HB2	11	0.12
(1,467)	1:49:A:ARG:HB2	1:51:A:PHE:HE1	9	0.12
(1,467)	1:49:A:ARG:HB2	1:51:A:PHE:HE2	9	0.12
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	16	0.12
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	16	0.12
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB2	11	0.12
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB3	11	0.12
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB2	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB3	7	0.12
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE1	15	0.12
(1,445)	1:40:A:PRO:HB3	1:51:A:PHE:HE2	15	0.12
(1,440)	1:43:A:MET:H	1:43:A:MET:HG2	4	0.12
(1,426)	1:85:A:LYS:HB2	1:86:A:THR:H	14	0.12
(1,425)	1:85:A:LYS:H	1:85:A:LYS:HB3	10	0.12
(1,419)	1:10:A:LEU:HB2	1:54:A:VAL:HB	18	0.12
(1,396)	1:35:A:ARG:HB2	1:55:A:GLU:HG3	17	0.12
(1,392)	1:10:A:LEU:H	1:55:A:GLU:HG2	11	0.12
(1,392)	1:10:A:LEU:H	1:55:A:GLU:HG2	18	0.12
(1,383)	1:17:A:GLU:HG2	1:18:A:THR:H	1	0.12
(1,383)	1:17:A:GLU:HG2	1:18:A:THR:H	11	0.12
(1,378)	1:21:A:GLU:HG2	1:38:A:GLU:HA	12	0.12
(1,378)	1:21:A:GLU:HG2	1:38:A:GLU:HA	19	0.12
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	7	0.12
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	7	0.12
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	7	0.12
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	7	0.12
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	7	0.12
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	7	0.12
(1,371)	1:21:A:GLU:H	1:21:A:GLU:HG2	14	0.12
(1,366)	1:73:A:GLU:HG2	1:74:A:LEU:H	15	0.12
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	12	0.12
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	14	0.12
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	15	0.12
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	16	0.12
(1,325)	1:79:A:ILE:HB	1:80:A:HIS:H	7	0.12
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	6	0.12
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	6	0.12
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	6	0.12
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB1	5	0.12
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB2	5	0.12
(1,318)	1:8:A:ASP:HB2	1:62:A:ALA:HB3	5	0.12
(1,317)	1:8:A:ASP:HB2	1:59:A:VAL:HA	14	0.12
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	14	0.12
(1,315)	1:25:A:TYR:HE1	1:34:A:ILE:HB	15	0.12
(1,315)	1:25:A:TYR:HE2	1:34:A:ILE:HB	15	0.12
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	9	0.12
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	9	0.12
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	12	0.12
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	12	0.12
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	20	0.12
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	17	0.12
(1,298)	1:60:A:ASP:H	1:60:A:ASP:HB3	17	0.12
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	8	0.12
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	11	0.12
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	12	0.12
(1,296)	1:60:A:ASP:HB2	1:61:A:ASP:H	18	0.12
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	4	0.12
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	4	0.12
(1,279)	1:37:A:ILE:H	1:37:A:ILE:HB	2	0.12
(1,275)	1:68:A:ASN:HB3	1:69:A:MET:H	4	0.12
(1,272)	1:3:A:ASP:HB2	1:4:A:ASN:H	1	0.12
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD11	17	0.12
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD12	17	0.12
(1,263)	1:24:A:LEU:HB2	1:37:A:ILE:HD13	17	0.12
(1,260)	1:6:A:ALA:HB1	1:63:A:LYS:HE2	3	0.12
(1,260)	1:6:A:ALA:HB1	1:63:A:LYS:HE3	3	0.12
(1,260)	1:6:A:ALA:HB2	1:63:A:LYS:HE2	3	0.12
(1,260)	1:6:A:ALA:HB2	1:63:A:LYS:HE3	3	0.12
(1,260)	1:6:A:ALA:HB3	1:63:A:LYS:HE2	3	0.12
(1,260)	1:6:A:ALA:HB3	1:63:A:LYS:HE3	3	0.12
(1,260)	1:6:A:ALA:HB1	1:63:A:LYS:HE2	13	0.12
(1,260)	1:6:A:ALA:HB1	1:63:A:LYS:HE3	13	0.12
(1,260)	1:6:A:ALA:HB2	1:63:A:LYS:HE2	13	0.12
(1,260)	1:6:A:ALA:HB2	1:63:A:LYS:HE3	13	0.12
(1,260)	1:6:A:ALA:HB3	1:63:A:LYS:HE2	13	0.12
(1,260)	1:6:A:ALA:HB3	1:63:A:LYS:HE3	13	0.12
(1,257)	1:77:A:LYS:H	1:77:A:LYS:HE2	12	0.12
(1,257)	1:77:A:LYS:H	1:77:A:LYS:HE3	12	0.12
(1,252)	1:16:A:ASP:H	1:16:A:ASP:HB2	7	0.12
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	19	0.12
(1,249)	1:36:A:ASN:HB3	1:55:A:GLU:HB3	16	0.12
(1,246)	1:15:A:ILE:HA	1:16:A:ASP:HB3	1	0.12
(1,246)	1:15:A:ILE:HA	1:16:A:ASP:HB3	17	0.12
(1,244)	1:36:A:ASN:H	1:36:A:ASN:HB2	5	0.12
(1,244)	1:36:A:ASN:H	1:36:A:ASN:HB2	6	0.12
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	2	0.12
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	4	0.12
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	11	0.12
(1,228)	1:20:A:ASP:HB2	1:21:A:GLU:H	12	0.12
(1,227)	1:10:A:LEU:HB3	1:11:A:PHE:H	13	0.12
(1,224)	1:35:A:ARG:HD2	1:36:A:ASN:H	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:35:A:ARG:HD3	1:36:A:ASN:H	11	0.12
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	13	0.12
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	20	0.12
(1,213)	1:41:A:LEU:H	1:41:A:LEU:HB3	2	0.12
(1,213)	1:41:A:LEU:H	1:41:A:LEU:HB3	12	0.12
(1,213)	1:41:A:LEU:H	1:41:A:LEU:HB3	16	0.12
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG2	14	0.12
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG3	14	0.12
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	2	0.12
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	16	0.12
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	4	0.12
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	4	0.12
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	5	0.12
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	5	0.12
(1,170)	1:10:A:LEU:HA	1:82:A:ASN:H	14	0.12
(1,166)	1:8:A:ASP:HA	1:59:A:VAL:HA	13	0.12
(1,163)	1:70:A:ASN:HA	1:80:A:HIS:HA	15	0.12
(1,156)	1:9:A:ILE:HG13	1:55:A:GLU:HA	12	0.12
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	19	0.12
(1,149)	1:62:A:ALA:HA	1:65:A:ALA:H	18	0.12
(1,147)	1:14:A:GLY:H	1:51:A:PHE:HA	3	0.12
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	3	0.12
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	19	0.12
(1,137)	1:73:A:GLU:HB2	1:78:A:ARG:HA	1	0.12
(1,129)	1:38:A:GLU:H	1:53:A:PHE:HA	2	0.12
(1,129)	1:38:A:GLU:H	1:53:A:PHE:HA	4	0.12
(1,129)	1:38:A:GLU:H	1:53:A:PHE:HA	7	0.12
(1,125)	1:85:A:LYS:HA	1:86:A:THR:H	19	0.12
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	12	0.12
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	19	0.12
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	8	0.12
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	8	0.12
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG2	10	0.12
(1,115)	1:35:A:ARG:HA	1:35:A:ARG:HG3	10	0.12
(1,109)	1:42:A:ASN:HB2	1:46:A:LYS:HA	18	0.12
(1,91)	1:22:A:LYS:HA	1:25:A:TYR:H	11	0.12
(1,91)	1:22:A:LYS:HA	1:25:A:TYR:H	12	0.12
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	1	0.12
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	1	0.12
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	1	0.12
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD2	1	0.12
(1,89)	1:63:A:LYS:HA	1:63:A:LYS:HD3	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	11	0.12
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	2	0.12
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	7	0.12
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	10	0.12
(1,68)	1:15:A:ILE:HA	1:16:A:ASP:H	4	0.12
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	8	0.12
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	8	0.12
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	8	0.12
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	8	0.12
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	8	0.12
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	8	0.12
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	2	0.12
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	1	0.12
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	16	0.12
(1,51)	1:23:A:SER:HA	1:26:A:ASP:H	8	0.12
(1,51)	1:23:A:SER:HA	1:26:A:ASP:H	16	0.12
(1,50)	1:23:A:SER:HA	1:26:A:ASP:HB3	4	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD11	2	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD12	2	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD13	2	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD11	6	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD12	6	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD13	6	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD11	9	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD12	9	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD13	9	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD11	13	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD12	13	0.12
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD13	13	0.12
(1,36)	1:23:A:SER:H	1:23:A:SER:HB3	1	0.12
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	19	0.12
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	19	0.12
(1,32)	1:25:A:TYR:HA	1:28:A:PHE:HB3	16	0.12
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD11	12	0.12
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD12	12	0.12
(1,28)	1:27:A:ILE:HA	1:27:A:ILE:HD13	12	0.12
(1,26)	1:9:A:ILE:HD11	1:86:A:THR:HA	5	0.12
(1,26)	1:9:A:ILE:HD12	1:86:A:THR:HA	5	0.12
(1,26)	1:9:A:ILE:HD13	1:86:A:THR:HA	5	0.12
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB2	6	0.12
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB3	6	0.12
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB2	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB3	14	0.12
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB2	19	0.12
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB3	19	0.12
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB2	19	0.12
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB3	19	0.12
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	7	0.12
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	13	0.12
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	18	0.12
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	6	0.12
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	6	0.12
(1,6)	1:42:A:ASN:HD22	1:44:A:THR:HB	19	0.12
(1,2)	1:86:A:THR:HA	1:86:A:THR:HB	4	0.12
(1,1545)	1:15:A:ILE:HG21	1:79:A:ILE:HA	7	0.11
(1,1545)	1:15:A:ILE:HG22	1:79:A:ILE:HA	7	0.11
(1,1545)	1:15:A:ILE:HG23	1:79:A:ILE:HA	7	0.11
(1,1541)	1:14:A:GLY:H	1:51:A:PHE:HA	6	0.11
(1,1541)	1:14:A:GLY:H	1:51:A:PHE:HA	9	0.11
(1,1531)	1:13:A:GLY:H	1:80:A:HIS:HB2	17	0.11
(1,1529)	1:19:A:ILE:HD11	1:41:A:LEU:HG	5	0.11
(1,1529)	1:19:A:ILE:HD12	1:41:A:LEU:HG	5	0.11
(1,1529)	1:19:A:ILE:HD13	1:41:A:LEU:HG	5	0.11
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG21	10	0.11
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG22	10	0.11
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG23	10	0.11
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG21	10	0.11
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG22	10	0.11
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG23	10	0.11
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG21	10	0.11
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG22	10	0.11
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG23	10	0.11
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	12	0.11
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	12	0.11
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	12	0.11
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	12	0.11
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	12	0.11
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	12	0.11
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD11	7	0.11
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD12	7	0.11
(1,1519)	1:72:A:PHE:HB2	1:79:A:ILE:HD13	7	0.11
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG21	6	0.11
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG22	6	0.11
(1,1503)	1:77:A:LYS:HG2	1:79:A:ILE:HG23	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG21	6	0.11
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG22	6	0.11
(1,1503)	1:77:A:LYS:HG3	1:79:A:ILE:HG23	6	0.11
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB2	20	0.11
(1,1494)	1:12:A:VAL:HG11	1:69:A:MET:HB3	20	0.11
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB2	20	0.11
(1,1494)	1:12:A:VAL:HG12	1:69:A:MET:HB3	20	0.11
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB2	20	0.11
(1,1494)	1:12:A:VAL:HG13	1:69:A:MET:HB3	20	0.11
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	4	0.11
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	4	0.11
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	4	0.11
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	4	0.11
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	4	0.11
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	4	0.11
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG21	4	0.11
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG22	4	0.11
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG23	4	0.11
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG21	4	0.11
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG22	4	0.11
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG23	4	0.11
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG21	15	0.11
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG22	15	0.11
(1,1489)	1:70:A:ASN:HB2	1:81:A:VAL:HG23	15	0.11
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG21	15	0.11
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG22	15	0.11
(1,1489)	1:70:A:ASN:HB3	1:81:A:VAL:HG23	15	0.11
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD11	17	0.11
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD12	17	0.11
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD13	17	0.11
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD11	17	0.11
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD12	17	0.11
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD13	17	0.11
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD11	17	0.11
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD12	17	0.11
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD13	17	0.11
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD11	19	0.11
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD12	19	0.11
(1,1485)	1:24:A:LEU:HD21	1:27:A:ILE:HD13	19	0.11
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD11	19	0.11
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD12	19	0.11
(1,1485)	1:24:A:LEU:HD22	1:27:A:ILE:HD13	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD11	19	0.11
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD12	19	0.11
(1,1485)	1:24:A:LEU:HD23	1:27:A:ILE:HD13	19	0.11
(1,1484)	1:24:A:LEU:HD21	1:27:A:ILE:HB	20	0.11
(1,1484)	1:24:A:LEU:HD22	1:27:A:ILE:HB	20	0.11
(1,1484)	1:24:A:LEU:HD23	1:27:A:ILE:HB	20	0.11
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG12	4	0.11
(1,1473)	1:16:A:ASP:HB3	1:19:A:ILE:HG13	4	0.11
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	4	0.11
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	4	0.11
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	6	0.11
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	6	0.11
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD11	10	0.11
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD12	10	0.11
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD13	10	0.11
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD11	14	0.11
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD12	14	0.11
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD13	14	0.11
(1,1457)	1:33:A:ASP:HB2	1:57:A:VAL:HB	6	0.11
(1,1457)	1:33:A:ASP:HB3	1:57:A:VAL:HB	6	0.11
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG21	19	0.11
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG22	19	0.11
(1,1455)	1:12:A:VAL:HB	1:81:A:VAL:HG23	19	0.11
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG2	3	0.11
(1,1454)	1:85:A:LYS:HB2	1:85:A:LYS:HG3	3	0.11
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD2	1	0.11
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD3	1	0.11
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD2	1	0.11
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD3	1	0.11
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD2	2	0.11
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD3	2	0.11
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD2	2	0.11
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD3	2	0.11
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD2	16	0.11
(1,1451)	1:47:A:LYS:HB2	1:47:A:LYS:HD3	16	0.11
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD2	16	0.11
(1,1451)	1:47:A:LYS:HB3	1:47:A:LYS:HD3	16	0.11
(1,1446)	1:17:A:GLU:HG2	1:18:A:THR:HG21	10	0.11
(1,1446)	1:17:A:GLU:HG2	1:18:A:THR:HG22	10	0.11
(1,1446)	1:17:A:GLU:HG2	1:18:A:THR:HG23	10	0.11
(1,1444)	1:41:A:LEU:HD21	1:48:A:ASN:HB2	15	0.11
(1,1444)	1:41:A:LEU:HD22	1:48:A:ASN:HB2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:41:A:LEU:HD23	1:48:A:ASN:HB2	15	0.11
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE1	7	0.11
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE2	7	0.11
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE1	18	0.11
(1,1439)	1:31:A:PHE:HB2	1:56:A:TYR:HE2	18	0.11
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG21	13	0.11
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG22	13	0.11
(1,1436)	1:33:A:ASP:HB2	1:57:A:VAL:HG23	13	0.11
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG21	13	0.11
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG22	13	0.11
(1,1436)	1:33:A:ASP:HB3	1:57:A:VAL:HG23	13	0.11
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE2	16	0.11
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE3	16	0.11
(1,1431)	1:50:A:GLY:HA3	1:51:A:PHE:HB2	10	0.11
(1,1420)	1:81:A:VAL:HG11	1:82:A:ASN:HA	19	0.11
(1,1420)	1:81:A:VAL:HG12	1:82:A:ASN:HA	19	0.11
(1,1420)	1:81:A:VAL:HG13	1:82:A:ASN:HA	19	0.11
(1,1414)	1:58:A:GLU:HA	1:61:A:ASP:HB2	1	0.11
(1,1414)	1:58:A:GLU:HA	1:61:A:ASP:HB2	19	0.11
(1,1412)	1:79:A:ILE:HD11	1:80:A:HIS:HA	13	0.11
(1,1412)	1:79:A:ILE:HD12	1:80:A:HIS:HA	13	0.11
(1,1412)	1:79:A:ILE:HD13	1:80:A:HIS:HA	13	0.11
(1,1408)	1:65:A:ALA:HA	1:68:A:ASN:HB2	11	0.11
(1,1406)	1:56:A:TYR:HE1	1:62:A:ALA:HA	11	0.11
(1,1406)	1:56:A:TYR:HE2	1:62:A:ALA:HA	11	0.11
(1,1406)	1:56:A:TYR:HE1	1:62:A:ALA:HA	15	0.11
(1,1406)	1:56:A:TYR:HE2	1:62:A:ALA:HA	15	0.11
(1,1406)	1:56:A:TYR:HE1	1:62:A:ALA:HA	20	0.11
(1,1406)	1:56:A:TYR:HE2	1:62:A:ALA:HA	20	0.11
(1,1395)	1:41:A:LEU:HB3	1:46:A:LYS:HA	7	0.11
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB2	13	0.11
(1,1392)	1:60:A:ASP:HA	1:63:A:LYS:HB3	13	0.11
(1,1390)	1:17:A:GLU:HA	1:48:A:ASN:HD22	3	0.11
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	7	0.11
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD1	5	0.11
(1,1385)	1:22:A:LYS:HA	1:25:A:TYR:HD2	5	0.11
(1,1372)	1:12:A:VAL:HG11	1:81:A:VAL:HA	1	0.11
(1,1372)	1:12:A:VAL:HG12	1:81:A:VAL:HA	1	0.11
(1,1372)	1:12:A:VAL:HG13	1:81:A:VAL:HA	1	0.11
(1,1362)	1:29:A:SER:HB3	1:34:A:ILE:HD11	7	0.11
(1,1362)	1:29:A:SER:HB3	1:34:A:ILE:HD12	7	0.11
(1,1362)	1:29:A:SER:HB3	1:34:A:ILE:HD13	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB2	4	0.11
(1,1358)	1:53:A:PHE:HE1	1:84:A:SER:HB3	4	0.11
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB2	4	0.11
(1,1358)	1:53:A:PHE:HE2	1:84:A:SER:HB3	4	0.11
(1,1357)	1:9:A:ILE:HD11	1:84:A:SER:HB2	17	0.11
(1,1357)	1:9:A:ILE:HD11	1:84:A:SER:HB3	17	0.11
(1,1357)	1:9:A:ILE:HD12	1:84:A:SER:HB2	17	0.11
(1,1357)	1:9:A:ILE:HD12	1:84:A:SER:HB3	17	0.11
(1,1357)	1:9:A:ILE:HD13	1:84:A:SER:HB2	17	0.11
(1,1357)	1:9:A:ILE:HD13	1:84:A:SER:HB3	17	0.11
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG21	4	0.11
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG22	4	0.11
(1,1353)	1:44:A:THR:HB	1:45:A:THR:HG23	4	0.11
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	9	0.11
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	7	0.11
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	7	0.11
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	7	0.11
(1,1343)	1:29:A:SER:H	1:32:A:GLY:H	19	0.11
(1,1338)	1:13:A:GLY:H	1:14:A:GLY:H	4	0.11
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	5	0.11
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	8	0.11
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	15	0.11
(1,1335)	1:48:A:ASN:H	1:50:A:GLY:H	12	0.11
(1,1332)	1:48:A:ASN:HB2	1:50:A:GLY:H	10	0.11
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG12	6	0.11
(1,1323)	1:15:A:ILE:H	1:19:A:ILE:HG13	6	0.11
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG21	11	0.11
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG22	11	0.11
(1,1314)	1:13:A:GLY:H	1:15:A:ILE:HG23	11	0.11
(1,1312)	1:13:A:GLY:H	1:51:A:PHE:HA	1	0.11
(1,1306)	1:19:A:ILE:HD11	1:75:A:ASN:HD22	16	0.11
(1,1306)	1:19:A:ILE:HD12	1:75:A:ASN:HD22	16	0.11
(1,1306)	1:19:A:ILE:HD13	1:75:A:ASN:HD22	16	0.11
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	16	0.11
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	16	0.11
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD1	17	0.11
(1,1299)	1:4:A:ASN:HD21	1:83:A:TYR:HD2	17	0.11
(1,1293)	1:68:A:ASN:HD22	1:69:A:MET:HA	12	0.11
(1,1278)	1:66:A:LEU:HB3	1:68:A:ASN:H	20	0.11
(1,1276)	1:36:A:ASN:H	1:55:A:GLU:H	3	0.11
(1,1276)	1:36:A:ASN:H	1:55:A:GLU:H	12	0.11
(1,1273)	1:42:A:ASN:HB2	1:44:A:THR:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	15	0.11
(1,1272)	1:44:A:THR:H	1:45:A:THR:H	18	0.11
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	9	0.11
(1,1261)	1:8:A:ASP:H	1:9:A:ILE:H	18	0.11
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	6	0.11
(1,1254)	1:23:A:SER:H	1:24:A:LEU:H	16	0.11
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	16	0.11
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	1	0.11
(1,1247)	1:38:A:GLU:HB2	1:53:A:PHE:H	13	0.11
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG21	20	0.11
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG22	20	0.11
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG23	20	0.11
(1,1237)	1:33:A:ASP:H	1:58:A:GLU:HG2	1	0.11
(1,1237)	1:33:A:ASP:H	1:58:A:GLU:HG2	9	0.11
(1,1235)	1:30:A:SER:H	1:34:A:ILE:HD11	6	0.11
(1,1235)	1:30:A:SER:H	1:34:A:ILE:HD12	6	0.11
(1,1235)	1:30:A:SER:H	1:34:A:ILE:HD13	6	0.11
(1,1229)	1:65:A:ALA:HB1	1:67:A:TYR:H	20	0.11
(1,1229)	1:65:A:ALA:HB2	1:67:A:TYR:H	20	0.11
(1,1229)	1:65:A:ALA:HB3	1:67:A:TYR:H	20	0.11
(1,1227)	1:65:A:ALA:H	1:67:A:TYR:H	6	0.11
(1,1227)	1:65:A:ALA:H	1:67:A:TYR:H	8	0.11
(1,1227)	1:65:A:ALA:H	1:67:A:TYR:H	18	0.11
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	15	0.11
(1,1221)	1:7:A:THR:HA	1:63:A:LYS:H	16	0.11
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	4	0.11
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	4	0.11
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	4	0.11
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG11	11	0.11
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG12	11	0.11
(1,1218)	1:33:A:ASP:H	1:57:A:VAL:HG13	11	0.11
(1,1215)	1:41:A:LEU:HD21	1:48:A:ASN:HD21	2	0.11
(1,1215)	1:41:A:LEU:HD22	1:48:A:ASN:HD21	2	0.11
(1,1215)	1:41:A:LEU:HD23	1:48:A:ASN:HD21	2	0.11
(1,1215)	1:41:A:LEU:HD21	1:48:A:ASN:HD21	8	0.11
(1,1215)	1:41:A:LEU:HD22	1:48:A:ASN:HD21	8	0.11
(1,1215)	1:41:A:LEU:HD23	1:48:A:ASN:HD21	8	0.11
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	2	0.11
(1,1212)	1:48:A:ASN:HB2	1:49:A:ARG:H	17	0.11
(1,1193)	1:70:A:ASN:H	1:71:A:ASN:HD22	5	0.11
(1,1182)	1:47:A:LYS:HD2	1:48:A:ASN:H	20	0.11
(1,1182)	1:47:A:LYS:HD3	1:48:A:ASN:H	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1178)	1:8:A:ASP:HB2	1:9:A:ILE:H	11	0.11
(1,1173)	1:11:A:PHE:HB2	1:84:A:SER:H	10	0.11
(1,1173)	1:11:A:PHE:HB3	1:84:A:SER:H	10	0.11
(1,1165)	1:21:A:GLU:H	1:21:A:GLU:HG3	3	0.11
(1,1161)	1:56:A:TYR:HA	1:58:A:GLU:H	20	0.11
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	11	0.11
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	12	0.11
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	16	0.11
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	17	0.11
(1,1155)	1:21:A:GLU:H	1:23:A:SER:H	1	0.11
(1,1150)	1:24:A:LEU:H	1:25:A:TYR:HB2	11	0.11
(1,1131)	1:24:A:LEU:HA	1:26:A:ASP:H	8	0.11
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG21	5	0.11
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG22	5	0.11
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG23	5	0.11
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG21	6	0.11
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG22	6	0.11
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG23	6	0.11
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	12	0.11
(1,1122)	1:59:A:VAL:HA	1:61:A:ASP:H	3	0.11
(1,1106)	1:79:A:ILE:H	1:79:A:ILE:HB	12	0.11
(1,1102)	1:29:A:SER:H	1:30:A:SER:HB3	2	0.11
(1,1095)	1:82:A:ASN:H	1:83:A:TYR:H	15	0.11
(1,1091)	1:9:A:ILE:HG21	1:86:A:THR:H	1	0.11
(1,1091)	1:9:A:ILE:HG22	1:86:A:THR:H	1	0.11
(1,1091)	1:9:A:ILE:HG23	1:86:A:THR:H	1	0.11
(1,1076)	1:11:A:PHE:H	1:82:A:ASN:H	2	0.11
(1,1075)	1:41:A:LEU:HD21	1:42:A:ASN:H	1	0.11
(1,1075)	1:41:A:LEU:HD22	1:42:A:ASN:H	1	0.11
(1,1075)	1:41:A:LEU:HD23	1:42:A:ASN:H	1	0.11
(1,1075)	1:41:A:LEU:HD21	1:42:A:ASN:H	11	0.11
(1,1075)	1:41:A:LEU:HD22	1:42:A:ASN:H	11	0.11
(1,1075)	1:41:A:LEU:HD23	1:42:A:ASN:H	11	0.11
(1,1074)	1:41:A:LEU:H	1:42:A:ASN:H	17	0.11
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	5	0.11
(1,1055)	1:54:A:VAL:H	1:55:A:GLU:H	16	0.11
(1,1054)	1:60:A:ASP:HB2	1:62:A:ALA:H	16	0.11
(1,1045)	1:36:A:ASN:HD21	1:37:A:ILE:H	2	0.11
(1,1045)	1:36:A:ASN:HD21	1:37:A:ILE:H	10	0.11
(1,1045)	1:36:A:ASN:HD21	1:37:A:ILE:H	15	0.11
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG12	14	0.11
(1,1043)	1:16:A:ASP:H	1:19:A:ILE:HG13	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1042)	1:15:A:ILE:H	1:16:A:ASP:H	16	0.11
(1,1029)	1:23:A:SER:H	1:25:A:TYR:H	5	0.11
(1,1023)	1:80:A:HIS:HB3	1:81:A:VAL:H	5	0.11
(1,1018)	1:70:A:ASN:H	1:81:A:VAL:H	14	0.11
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	3	0.11
(1,1015)	1:10:A:LEU:HB2	1:11:A:PHE:H	4	0.11
(1,1009)	1:58:A:GLU:HB2	1:59:A:VAL:H	8	0.11
(1,1002)	1:20:A:ASP:H	1:23:A:SER:H	15	0.11
(1,995)	1:20:A:ASP:H	1:21:A:GLU:H	3	0.11
(1,983)	1:38:A:GLU:HB3	1:39:A:VAL:H	5	0.11
(1,983)	1:38:A:GLU:HB3	1:39:A:VAL:H	7	0.11
(1,982)	1:38:A:GLU:HG2	1:39:A:VAL:H	1	0.11
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB1	4	0.11
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB2	4	0.11
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB3	4	0.11
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB1	19	0.11
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB2	19	0.11
(1,979)	1:38:A:GLU:H	1:52:A:ALA:HB3	19	0.11
(1,971)	1:55:A:GLU:H	1:55:A:GLU:HG2	2	0.11
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	13	0.11
(1,964)	1:56:A:TYR:H	1:57:A:VAL:H	6	0.11
(1,964)	1:56:A:TYR:H	1:57:A:VAL:H	18	0.11
(1,962)	1:9:A:ILE:HG12	1:56:A:TYR:H	6	0.11
(1,953)	1:35:A:ARG:H	1:57:A:VAL:H	1	0.11
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	1	0.11
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	1	0.11
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	1	0.11
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	7	0.11
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	7	0.11
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	7	0.11
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG11	10	0.11
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG12	10	0.11
(1,951)	1:35:A:ARG:H	1:57:A:VAL:HG13	10	0.11
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE1	13	0.11
(1,948)	1:54:A:VAL:HB	1:56:A:TYR:HE2	13	0.11
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE1	16	0.11
(1,945)	1:28:A:PHE:HA	1:56:A:TYR:HE2	16	0.11
(1,939)	1:64:A:HIS:HA	1:64:A:HIS:HD2	7	0.11
(1,938)	1:80:A:HIS:H	1:80:A:HIS:HD2	13	0.11
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	15	0.11
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	15	0.11
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	15	0.11
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	15	0.11
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	15	0.11
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD1	16	0.11
(1,935)	1:27:A:ILE:HD11	1:28:A:PHE:HD2	16	0.11
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD1	16	0.11
(1,935)	1:27:A:ILE:HD12	1:28:A:PHE:HD2	16	0.11
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD1	16	0.11
(1,935)	1:27:A:ILE:HD13	1:28:A:PHE:HD2	16	0.11
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE1	19	0.11
(1,931)	1:53:A:PHE:H	1:53:A:PHE:HE2	19	0.11
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	16	0.11
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	16	0.11
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE1	20	0.11
(1,928)	1:52:A:ALA:HA	1:53:A:PHE:HE2	20	0.11
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB2	18	0.11
(1,922)	1:11:A:PHE:HD1	1:84:A:SER:HB3	18	0.11
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB2	18	0.11
(1,922)	1:11:A:PHE:HD2	1:84:A:SER:HB3	18	0.11
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE1	15	0.11
(1,918)	1:24:A:LEU:HB3	1:28:A:PHE:HE2	15	0.11
(1,917)	1:51:A:PHE:HD1	1:52:A:ALA:HA	1	0.11
(1,917)	1:51:A:PHE:HD2	1:52:A:ALA:HA	1	0.11
(1,917)	1:51:A:PHE:HD1	1:52:A:ALA:HA	4	0.11
(1,917)	1:51:A:PHE:HD2	1:52:A:ALA:HA	4	0.11
(1,917)	1:51:A:PHE:HD1	1:52:A:ALA:HA	9	0.11
(1,917)	1:51:A:PHE:HD2	1:52:A:ALA:HA	9	0.11
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD11	1	0.11
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD12	1	0.11
(1,905)	1:18:A:THR:HA	1:19:A:ILE:HD13	1	0.11
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	5	0.11
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	5	0.11
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	5	0.11
(1,904)	1:34:A:ILE:HD11	1:36:A:ASN:H	19	0.11
(1,904)	1:34:A:ILE:HD12	1:36:A:ASN:H	19	0.11
(1,904)	1:34:A:ILE:HD13	1:36:A:ASN:H	19	0.11
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD11	6	0.11
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD12	6	0.11
(1,901)	1:34:A:ILE:HD11	1:37:A:ILE:HD13	6	0.11
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD11	6	0.11
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD12	6	0.11
(1,901)	1:34:A:ILE:HD12	1:37:A:ILE:HD13	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD11	6	0.11
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD12	6	0.11
(1,901)	1:34:A:ILE:HD13	1:37:A:ILE:HD13	6	0.11
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	8	0.11
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	8	0.11
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	8	0.11
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD11	20	0.11
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD12	20	0.11
(1,894)	1:33:A:ASP:HA	1:34:A:ILE:HD13	20	0.11
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD11	17	0.11
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD12	17	0.11
(1,889)	1:29:A:SER:H	1:34:A:ILE:HD13	17	0.11
(1,883)	1:15:A:ILE:HD11	1:48:A:ASN:HD21	17	0.11
(1,883)	1:15:A:ILE:HD12	1:48:A:ASN:HD21	17	0.11
(1,883)	1:15:A:ILE:HD13	1:48:A:ASN:HD21	17	0.11
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD11	11	0.11
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD12	11	0.11
(1,878)	1:79:A:ILE:H	1:79:A:ILE:HD13	11	0.11
(1,877)	1:79:A:ILE:HD11	1:80:A:HIS:H	17	0.11
(1,877)	1:79:A:ILE:HD12	1:80:A:HIS:H	17	0.11
(1,877)	1:79:A:ILE:HD13	1:80:A:HIS:H	17	0.11
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	3	0.11
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	3	0.11
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	3	0.11
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD11	16	0.11
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD12	16	0.11
(1,872)	1:25:A:TYR:HA	1:37:A:ILE:HD13	16	0.11
(1,858)	1:9:A:ILE:HD11	1:55:A:GLU:HG2	19	0.11
(1,858)	1:9:A:ILE:HD12	1:55:A:GLU:HG2	19	0.11
(1,858)	1:9:A:ILE:HD13	1:55:A:GLU:HG2	19	0.11
(1,844)	1:27:A:ILE:HG21	1:28:A:PHE:H	10	0.11
(1,844)	1:27:A:ILE:HG22	1:28:A:PHE:H	10	0.11
(1,844)	1:27:A:ILE:HG23	1:28:A:PHE:H	10	0.11
(1,844)	1:27:A:ILE:HG21	1:28:A:PHE:H	12	0.11
(1,844)	1:27:A:ILE:HG22	1:28:A:PHE:H	12	0.11
(1,844)	1:27:A:ILE:HG23	1:28:A:PHE:H	12	0.11
(1,844)	1:27:A:ILE:HG21	1:28:A:PHE:H	13	0.11
(1,844)	1:27:A:ILE:HG22	1:28:A:PHE:H	13	0.11
(1,844)	1:27:A:ILE:HG23	1:28:A:PHE:H	13	0.11
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG11	19	0.11
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG12	19	0.11
(1,835)	1:34:A:ILE:HG21	1:54:A:VAL:HG13	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG11	19	0.11
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG12	19	0.11
(1,835)	1:34:A:ILE:HG22	1:54:A:VAL:HG13	19	0.11
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG11	19	0.11
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG12	19	0.11
(1,835)	1:34:A:ILE:HG23	1:54:A:VAL:HG13	19	0.11
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	15	0.11
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	15	0.11
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	15	0.11
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	15	0.11
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	15	0.11
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	15	0.11
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	11	0.11
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	11	0.11
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	11	0.11
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	12	0.11
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	12	0.11
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	12	0.11
(1,823)	1:34:A:ILE:HG21	1:55:A:GLU:H	15	0.11
(1,823)	1:34:A:ILE:HG22	1:55:A:GLU:H	15	0.11
(1,823)	1:34:A:ILE:HG23	1:55:A:GLU:H	15	0.11
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE1	9	0.11
(1,819)	1:9:A:ILE:HG21	1:53:A:PHE:HE2	9	0.11
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE1	9	0.11
(1,819)	1:9:A:ILE:HG22	1:53:A:PHE:HE2	9	0.11
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE1	9	0.11
(1,819)	1:9:A:ILE:HG23	1:53:A:PHE:HE2	9	0.11
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	3	0.11
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	3	0.11
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	3	0.11
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	4	0.11
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	4	0.11
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	4	0.11
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG21	11	0.11
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG22	11	0.11
(1,786)	1:79:A:ILE:H	1:79:A:ILE:HG23	11	0.11
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG21	7	0.11
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG22	7	0.11
(1,780)	1:28:A:PHE:HB2	1:54:A:VAL:HG23	7	0.11
(1,767)	1:62:A:ALA:HA	1:65:A:ALA:HB1	5	0.11
(1,767)	1:62:A:ALA:HA	1:65:A:ALA:HB2	5	0.11
(1,767)	1:62:A:ALA:HA	1:65:A:ALA:HB3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:12:A:VAL:HG21	1:54:A:VAL:H	14	0.11
(1,749)	1:12:A:VAL:HG22	1:54:A:VAL:H	14	0.11
(1,749)	1:12:A:VAL:HG23	1:54:A:VAL:H	14	0.11
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG21	7	0.11
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG22	7	0.11
(1,748)	1:10:A:LEU:HB2	1:12:A:VAL:HG23	7	0.11
(1,745)	1:12:A:VAL:HG21	1:81:A:VAL:HA	7	0.11
(1,745)	1:12:A:VAL:HG22	1:81:A:VAL:HA	7	0.11
(1,745)	1:12:A:VAL:HG23	1:81:A:VAL:HA	7	0.11
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG21	18	0.11
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG22	18	0.11
(1,744)	1:12:A:VAL:H	1:12:A:VAL:HG23	18	0.11
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG21	20	0.11
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG22	20	0.11
(1,742)	1:59:A:VAL:H	1:59:A:VAL:HG23	20	0.11
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG11	11	0.11
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG12	11	0.11
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG13	11	0.11
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG11	6	0.11
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG12	6	0.11
(1,732)	1:54:A:VAL:H	1:54:A:VAL:HG13	6	0.11
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	19	0.11
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	19	0.11
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	19	0.11
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	19	0.11
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	19	0.11
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	19	0.11
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	17	0.11
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	17	0.11
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	17	0.11
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG11	20	0.11
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG12	20	0.11
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG13	20	0.11
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG21	17	0.11
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG22	17	0.11
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG23	17	0.11
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG21	1	0.11
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG22	1	0.11
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG23	1	0.11
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG21	3	0.11
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG22	3	0.11
(1,699)	1:42:A:ASN:HB2	1:45:A:THR:HG23	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:7:A:THR:HG21	1:59:A:VAL:HG21	10	0.11
(1,697)	1:7:A:THR:HG21	1:59:A:VAL:HG22	10	0.11
(1,697)	1:7:A:THR:HG21	1:59:A:VAL:HG23	10	0.11
(1,697)	1:7:A:THR:HG22	1:59:A:VAL:HG21	10	0.11
(1,697)	1:7:A:THR:HG22	1:59:A:VAL:HG22	10	0.11
(1,697)	1:7:A:THR:HG22	1:59:A:VAL:HG23	10	0.11
(1,697)	1:7:A:THR:HG23	1:59:A:VAL:HG21	10	0.11
(1,697)	1:7:A:THR:HG23	1:59:A:VAL:HG22	10	0.11
(1,697)	1:7:A:THR:HG23	1:59:A:VAL:HG23	10	0.11
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	17	0.11
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	17	0.11
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	17	0.11
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	17	0.11
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	17	0.11
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	17	0.11
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	17	0.11
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	17	0.11
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	17	0.11
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG21	19	0.11
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG22	19	0.11
(1,692)	1:12:A:VAL:HG11	1:54:A:VAL:HG23	19	0.11
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG21	19	0.11
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG22	19	0.11
(1,692)	1:12:A:VAL:HG12	1:54:A:VAL:HG23	19	0.11
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG21	19	0.11
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG22	19	0.11
(1,692)	1:12:A:VAL:HG13	1:54:A:VAL:HG23	19	0.11
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG21	20	0.11
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG22	20	0.11
(1,691)	1:44:A:THR:HG21	1:45:A:THR:HG23	20	0.11
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG21	20	0.11
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG22	20	0.11
(1,691)	1:44:A:THR:HG22	1:45:A:THR:HG23	20	0.11
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG21	20	0.11
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG22	20	0.11
(1,691)	1:44:A:THR:HG23	1:45:A:THR:HG23	20	0.11
(1,690)	1:18:A:THR:HG21	1:19:A:ILE:H	20	0.11
(1,690)	1:18:A:THR:HG22	1:19:A:ILE:H	20	0.11
(1,690)	1:18:A:THR:HG23	1:19:A:ILE:H	20	0.11
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	1	0.11
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	1	0.11
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	1	0.11
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	1	0.11
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	1	0.11
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	1	0.11
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	1	0.11
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	1	0.11
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	9	0.11
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	9	0.11
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	9	0.11
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	9	0.11
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	9	0.11
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	9	0.11
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	9	0.11
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	9	0.11
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	9	0.11
(1,671)	1:41:A:LEU:HD21	1:47:A:LYS:H	4	0.11
(1,671)	1:41:A:LEU:HD22	1:47:A:LYS:H	4	0.11
(1,671)	1:41:A:LEU:HD23	1:47:A:LYS:H	4	0.11
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	10	0.11
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	10	0.11
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	10	0.11
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	12	0.11
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	12	0.11
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	12	0.11
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	14	0.11
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	14	0.11
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	14	0.11
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	3	0.11
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	3	0.11
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	3	0.11
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	12	0.11
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	12	0.11
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	12	0.11
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG11	20	0.11
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG12	20	0.11
(1,661)	1:8:A:ASP:HB3	1:59:A:VAL:HG13	20	0.11
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	8	0.11
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	8	0.11
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	8	0.11
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	12	0.11
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	12	0.11
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	1:59:A:VAL:HG11	1:60:A:ASP:H	18	0.11
(1,656)	1:59:A:VAL:HG12	1:60:A:ASP:H	18	0.11
(1,656)	1:59:A:VAL:HG13	1:60:A:ASP:H	18	0.11
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG21	1	0.11
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG22	1	0.11
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG23	1	0.11
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG21	2	0.11
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG22	2	0.11
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG23	2	0.11
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG21	7	0.11
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG22	7	0.11
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG23	7	0.11
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD21	12	0.11
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD22	12	0.11
(1,648)	1:24:A:LEU:H	1:24:A:LEU:HD23	12	0.11
(1,645)	1:24:A:LEU:HD21	1:28:A:PHE:HD1	4	0.11
(1,645)	1:24:A:LEU:HD21	1:28:A:PHE:HD2	4	0.11
(1,645)	1:24:A:LEU:HD22	1:28:A:PHE:HD1	4	0.11
(1,645)	1:24:A:LEU:HD22	1:28:A:PHE:HD2	4	0.11
(1,645)	1:24:A:LEU:HD23	1:28:A:PHE:HD1	4	0.11
(1,645)	1:24:A:LEU:HD23	1:28:A:PHE:HD2	4	0.11
(1,633)	1:10:A:LEU:HD11	1:54:A:VAL:HG21	20	0.11
(1,633)	1:10:A:LEU:HD11	1:54:A:VAL:HG22	20	0.11
(1,633)	1:10:A:LEU:HD11	1:54:A:VAL:HG23	20	0.11
(1,633)	1:10:A:LEU:HD12	1:54:A:VAL:HG21	20	0.11
(1,633)	1:10:A:LEU:HD12	1:54:A:VAL:HG22	20	0.11
(1,633)	1:10:A:LEU:HD12	1:54:A:VAL:HG23	20	0.11
(1,633)	1:10:A:LEU:HD13	1:54:A:VAL:HG21	20	0.11
(1,633)	1:10:A:LEU:HD13	1:54:A:VAL:HG22	20	0.11
(1,633)	1:10:A:LEU:HD13	1:54:A:VAL:HG23	20	0.11
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG11	16	0.11
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG12	16	0.11
(1,626)	1:11:A:PHE:HD1	1:81:A:VAL:HG13	16	0.11
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG11	16	0.11
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG12	16	0.11
(1,626)	1:11:A:PHE:HD2	1:81:A:VAL:HG13	16	0.11
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	7	0.11
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	7	0.11
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	7	0.11
(1,624)	1:81:A:VAL:HG11	1:82:A:ASN:H	16	0.11
(1,624)	1:81:A:VAL:HG12	1:82:A:ASN:H	16	0.11
(1,624)	1:81:A:VAL:HG13	1:82:A:ASN:H	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB1	13	0.11
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB2	13	0.11
(1,590)	1:12:A:VAL:H	1:52:A:ALA:HB3	13	0.11
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	8	0.11
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	8	0.11
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	8	0.11
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	8	0.11
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	8	0.11
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	8	0.11
(1,587)	1:39:A:VAL:HG11	1:41:A:LEU:HG	17	0.11
(1,587)	1:39:A:VAL:HG12	1:41:A:LEU:HG	17	0.11
(1,587)	1:39:A:VAL:HG13	1:41:A:LEU:HG	17	0.11
(1,587)	1:39:A:VAL:HG21	1:41:A:LEU:HG	17	0.11
(1,587)	1:39:A:VAL:HG22	1:41:A:LEU:HG	17	0.11
(1,587)	1:39:A:VAL:HG23	1:41:A:LEU:HG	17	0.11
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD21	14	0.11
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD22	14	0.11
(1,566)	1:66:A:LEU:H	1:66:A:LEU:HD23	14	0.11
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	1	0.11
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	1	0.11
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	1	0.11
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	8	0.11
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	8	0.11
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	8	0.11
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	6	0.11
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	6	0.11
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	6	0.11
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	6	0.11
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	9	0.11
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	9	0.11
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB2	16	0.11
(1,546)	1:9:A:ILE:HG13	1:84:A:SER:HB3	16	0.11
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	3	0.11
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	3	0.11
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	15	0.11
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	15	0.11
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG2	16	0.11
(1,542)	1:35:A:ARG:H	1:35:A:ARG:HG3	16	0.11
(1,541)	1:48:A:ASN:HA	1:49:A:ARG:HG3	19	0.11
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	3	0.11
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	6	0.11
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:48:A:ASN:HA	1:49:A:ARG:HG2	20	0.11
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD1	14	0.11
(1,528)	1:40:A:PRO:HG2	1:51:A:PHE:HD2	14	0.11
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD1	14	0.11
(1,528)	1:40:A:PRO:HG3	1:51:A:PHE:HD2	14	0.11
(1,526)	1:40:A:PRO:HG2	1:53:A:PHE:HE1	19	0.11
(1,526)	1:40:A:PRO:HG2	1:53:A:PHE:HE2	19	0.11
(1,526)	1:40:A:PRO:HG3	1:53:A:PHE:HE1	19	0.11
(1,526)	1:40:A:PRO:HG3	1:53:A:PHE:HE2	19	0.11
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	6	0.11
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	6	0.11
(1,523)	1:40:A:PRO:HG2	1:48:A:ASN:HA	8	0.11
(1,523)	1:40:A:PRO:HG3	1:48:A:ASN:HA	8	0.11
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	7	0.11
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	7	0.11
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB1	20	0.11
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB2	20	0.11
(1,506)	1:64:A:HIS:HB3	1:65:A:ALA:HB3	20	0.11
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG21	9	0.11
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG22	9	0.11
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG23	9	0.11
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG21	19	0.11
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG22	19	0.11
(1,499)	1:21:A:GLU:HB3	1:37:A:ILE:HG23	19	0.11
(1,495)	1:20:A:ASP:HB3	1:21:A:GLU:HB2	5	0.11
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB2	7	0.11
(1,489)	1:17:A:GLU:H	1:17:A:GLU:HB3	7	0.11
(1,486)	1:-1:A:SER:HA	1:0:A:HIS:HB2	6	0.11
(1,478)	1:78:A:ARG:H	1:78:A:ARG:HB2	20	0.11
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	9	0.11
(1,477)	1:58:A:GLU:H	1:58:A:GLU:HB3	18	0.11
(1,469)	1:35:A:ARG:HB3	1:55:A:GLU:HB2	20	0.11
(1,468)	1:36:A:ASN:HB2	1:55:A:GLU:HB2	18	0.11
(1,462)	1:35:A:ARG:HB2	1:36:A:ASN:H	9	0.11
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB2	11	0.11
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB3	11	0.11
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB2	18	0.11
(1,449)	1:42:A:ASN:HA	1:43:A:MET:HB3	18	0.11
(1,446)	1:57:A:VAL:HB	1:58:A:GLU:H	1	0.11
(1,446)	1:57:A:VAL:HB	1:58:A:GLU:H	6	0.11
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	2	0.11
(1,412)	1:66:A:LEU:HD21	1:81:A:VAL:HB	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:66:A:LEU:HD22	1:81:A:VAL:HB	18	0.11
(1,412)	1:66:A:LEU:HD23	1:81:A:VAL:HB	18	0.11
(1,409)	1:57:A:VAL:HG11	1:58:A:GLU:HG3	6	0.11
(1,409)	1:57:A:VAL:HG12	1:58:A:GLU:HG3	6	0.11
(1,409)	1:57:A:VAL:HG13	1:58:A:GLU:HG3	6	0.11
(1,407)	1:58:A:GLU:HG3	1:59:A:VAL:H	10	0.11
(1,407)	1:58:A:GLU:HG3	1:59:A:VAL:H	17	0.11
(1,406)	1:58:A:GLU:H	1:58:A:GLU:HG3	8	0.11
(1,404)	1:58:A:GLU:HG2	1:61:A:ASP:H	2	0.11
(1,393)	1:38:A:GLU:HG3	1:40:A:PRO:HD3	14	0.11
(1,383)	1:17:A:GLU:HG2	1:18:A:THR:H	15	0.11
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG11	5	0.11
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG12	5	0.11
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG13	5	0.11
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG21	5	0.11
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG22	5	0.11
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG23	5	0.11
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG11	6	0.11
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG12	6	0.11
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG13	6	0.11
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG21	6	0.11
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG22	6	0.11
(1,374)	1:21:A:GLU:HG2	1:39:A:VAL:HG23	6	0.11
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	1	0.11
(1,355)	1:75:A:ASN:H	1:75:A:ASN:HB2	4	0.11
(1,343)	1:71:A:ASN:HB2	1:71:A:ASN:HD21	11	0.11
(1,334)	1:4:A:ASN:HB2	1:6:A:ALA:H	19	0.11
(1,334)	1:4:A:ASN:HB3	1:6:A:ALA:H	19	0.11
(1,327)	1:42:A:ASN:HB2	1:47:A:LYS:H	4	0.11
(1,325)	1:79:A:ILE:HB	1:80:A:HIS:H	9	0.11
(1,325)	1:79:A:ILE:HB	1:80:A:HIS:H	17	0.11
(1,317)	1:8:A:ASP:HB2	1:59:A:VAL:HA	7	0.11
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	13	0.11
(1,312)	1:56:A:TYR:HD1	1:61:A:ASP:HB3	11	0.11
(1,312)	1:56:A:TYR:HD2	1:61:A:ASP:HB3	11	0.11
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	13	0.11
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	16	0.11
(1,310)	1:32:A:GLY:HA2	1:61:A:ASP:HB2	7	0.11
(1,300)	1:9:A:ILE:HB	1:10:A:LEU:H	7	0.11
(1,300)	1:9:A:ILE:HB	1:10:A:LEU:H	11	0.11
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB2	12	0.11
(1,291)	1:10:A:LEU:HA	1:11:A:PHE:HB3	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	1	0.11
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	7	0.11
(1,284)	1:66:A:LEU:H	1:66:A:LEU:HB2	4	0.11
(1,284)	1:66:A:LEU:H	1:66:A:LEU:HB2	6	0.11
(1,284)	1:66:A:LEU:H	1:66:A:LEU:HB2	14	0.11
(1,270)	1:72:A:PHE:H	1:72:A:PHE:HB2	5	0.11
(1,264)	1:21:A:GLU:HA	1:24:A:LEU:HB2	9	0.11
(1,254)	1:41:A:LEU:HD11	1:46:A:LYS:HE2	4	0.11
(1,254)	1:41:A:LEU:HD11	1:46:A:LYS:HE3	4	0.11
(1,254)	1:41:A:LEU:HD12	1:46:A:LYS:HE2	4	0.11
(1,254)	1:41:A:LEU:HD12	1:46:A:LYS:HE3	4	0.11
(1,254)	1:41:A:LEU:HD13	1:46:A:LYS:HE2	4	0.11
(1,254)	1:41:A:LEU:HD13	1:46:A:LYS:HE3	4	0.11
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE2	9	0.11
(1,253)	1:77:A:LYS:HG2	1:77:A:LYS:HE3	9	0.11
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE2	9	0.11
(1,253)	1:77:A:LYS:HG3	1:77:A:LYS:HE3	9	0.11
(1,251)	1:36:A:ASN:HB3	1:55:A:GLU:HB2	4	0.11
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	2	0.11
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	12	0.11
(1,250)	1:36:A:ASN:HB3	1:55:A:GLU:HG2	20	0.11
(1,247)	1:11:A:PHE:HE1	1:51:A:PHE:HB3	14	0.11
(1,247)	1:11:A:PHE:HE2	1:51:A:PHE:HB3	14	0.11
(1,246)	1:15:A:ILE:HA	1:16:A:ASP:HB3	3	0.11
(1,244)	1:36:A:ASN:H	1:36:A:ASN:HB2	2	0.11
(1,243)	1:20:A:ASP:H	1:20:A:ASP:HB3	17	0.11
(1,239)	1:51:A:PHE:HB2	1:52:A:ALA:H	14	0.11
(1,237)	1:16:A:ASP:HB2	1:17:A:GLU:H	9	0.11
(1,224)	1:35:A:ARG:HD2	1:36:A:ASN:H	14	0.11
(1,224)	1:35:A:ARG:HD3	1:36:A:ASN:H	14	0.11
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	5	0.11
(1,216)	1:49:A:ARG:HA	1:49:A:ARG:HD3	15	0.11
(1,213)	1:41:A:LEU:H	1:41:A:LEU:HB3	6	0.11
(1,213)	1:41:A:LEU:H	1:41:A:LEU:HB3	11	0.11
(1,213)	1:41:A:LEU:H	1:41:A:LEU:HB3	14	0.11
(1,213)	1:41:A:LEU:H	1:41:A:LEU:HB3	15	0.11
(1,212)	1:41:A:LEU:HB3	1:42:A:ASN:H	20	0.11
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	16	0.11
(1,211)	1:41:A:LEU:HB2	1:46:A:LYS:HA	20	0.11
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE1	18	0.11
(1,206)	1:49:A:ARG:HD3	1:51:A:PHE:HE2	18	0.11
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE1	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:49:A:ARG:HD2	1:51:A:PHE:HE2	20	0.11
(1,196)	1:74:A:LEU:H	1:74:A:LEU:HB3	10	0.11
(1,195)	1:74:A:LEU:HB3	1:75:A:ASN:H	3	0.11
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG2	1	0.11
(1,194)	1:74:A:LEU:HB2	1:77:A:LYS:HG3	1	0.11
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	13	0.11
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	14	0.11
(1,191)	1:49:A:ARG:HB2	1:49:A:ARG:HD3	17	0.11
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	2	0.11
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	2	0.11
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE1	14	0.11
(1,182)	1:40:A:PRO:HD2	1:51:A:PHE:HE2	14	0.11
(1,175)	1:10:A:LEU:HA	1:84:A:SER:H	20	0.11
(1,166)	1:8:A:ASP:HA	1:59:A:VAL:HA	8	0.11
(1,164)	1:16:A:ASP:HA	1:17:A:GLU:H	1	0.11
(1,164)	1:16:A:ASP:HA	1:17:A:GLU:H	3	0.11
(1,164)	1:16:A:ASP:HA	1:17:A:GLU:H	14	0.11
(1,158)	1:10:A:LEU:H	1:55:A:GLU:HA	16	0.11
(1,156)	1:9:A:ILE:HG13	1:55:A:GLU:HA	5	0.11
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	1	0.11
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	7	0.11
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	8	0.11
(1,152)	1:65:A:ALA:HA	1:68:A:ASN:H	9	0.11
(1,148)	1:62:A:ALA:HA	1:66:A:LEU:H	11	0.11
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG21	5	0.11
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG22	5	0.11
(1,144)	1:73:A:GLU:HA	1:79:A:ILE:HG23	5	0.11
(1,142)	1:73:A:GLU:HA	1:79:A:ILE:H	14	0.11
(1,123)	1:61:A:ASP:HA	1:64:A:HIS:HB2	3	0.11
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	6	0.11
(1,122)	1:61:A:ASP:HA	1:64:A:HIS:H	14	0.11
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB2	2	0.11
(1,119)	1:43:A:MET:HA	1:43:A:MET:HB3	2	0.11
(1,118)	1:43:A:MET:HA	1:46:A:LYS:H	20	0.11
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE1	2	0.11
(1,113)	1:24:A:LEU:HA	1:28:A:PHE:HE2	2	0.11
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG21	14	0.11
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG22	14	0.11
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG23	14	0.11
(1,93)	1:63:A:LYS:HA	1:66:A:LEU:H	16	0.11
(1,91)	1:22:A:LYS:HA	1:25:A:TYR:H	6	0.11
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD11	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD12	13	0.11
(1,90)	1:63:A:LYS:HA	1:66:A:LEU:HD13	13	0.11
(1,81)	1:7:A:THR:HA	1:9:A:ILE:H	13	0.11
(1,78)	1:34:A:ILE:HA	1:36:A:ASN:H	10	0.11
(1,78)	1:34:A:ILE:HA	1:36:A:ASN:H	19	0.11
(1,75)	1:9:A:ILE:HA	1:9:A:ILE:HG12	9	0.11
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	4	0.11
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	8	0.11
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	13	0.11
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	14	0.11
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	18	0.11
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	19	0.11
(1,72)	1:81:A:VAL:HA	1:82:A:ASN:HA	20	0.11
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG11	3	0.11
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG12	3	0.11
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG13	3	0.11
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG21	3	0.11
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG22	3	0.11
(1,63)	1:21:A:GLU:HA	1:39:A:VAL:HG23	3	0.11
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG21	17	0.11
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG22	17	0.11
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG23	17	0.11
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	2	0.11
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	9	0.11
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	11	0.11
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	12	0.11
(1,58)	1:29:A:SER:HA	1:34:A:ILE:HG13	14	0.11
(1,49)	1:23:A:SER:HA	1:26:A:ASP:HB2	7	0.11
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD11	14	0.11
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD12	14	0.11
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD13	14	0.11
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD11	16	0.11
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD12	16	0.11
(1,48)	1:29:A:SER:HB2	1:34:A:ILE:HD13	16	0.11
(1,39)	1:22:A:LYS:HB2	1:23:A:SER:HB3	17	0.11
(1,39)	1:22:A:LYS:HB3	1:23:A:SER:HB3	17	0.11
(1,35)	1:22:A:LYS:HD2	1:23:A:SER:HB3	7	0.11
(1,35)	1:22:A:LYS:HD3	1:23:A:SER:HB3	7	0.11
(1,34)	1:22:A:LYS:HD2	1:23:A:SER:HB2	3	0.11
(1,34)	1:22:A:LYS:HD3	1:23:A:SER:HB2	3	0.11
(1,33)	1:23:A:SER:H	1:23:A:SER:HB2	9	0.11
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB3	2	0.11
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB2	2	0.11
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB3	2	0.11
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB2	5	0.11
(1,21)	1:53:A:PHE:HD1	1:84:A:SER:HB3	5	0.11
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB2	5	0.11
(1,21)	1:53:A:PHE:HD2	1:84:A:SER:HB3	5	0.11
(1,14)	1:35:A:ARG:HG2	1:57:A:VAL:HA	16	0.11
(1,14)	1:35:A:ARG:HG3	1:57:A:VAL:HA	16	0.11
(1,1547)	1:15:A:ILE:HG21	1:80:A:HIS:H	14	0.1
(1,1547)	1:15:A:ILE:HG22	1:80:A:HIS:H	14	0.1
(1,1547)	1:15:A:ILE:HG23	1:80:A:HIS:H	14	0.1
(1,1539)	1:14:A:GLY:HA2	1:80:A:HIS:H	20	0.1
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG21	6	0.1
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG22	6	0.1
(1,1535)	1:13:A:GLY:H	1:81:A:VAL:HG23	6	0.1
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG21	2	0.1
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG22	2	0.1
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG23	2	0.1
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG21	2	0.1
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG22	2	0.1
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG23	2	0.1
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG21	2	0.1
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG22	2	0.1
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG23	2	0.1
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG21	3	0.1
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG22	3	0.1
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG23	3	0.1
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG21	3	0.1
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG22	3	0.1
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG23	3	0.1
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG21	3	0.1
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG22	3	0.1
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG23	3	0.1
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG21	11	0.1
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG22	11	0.1
(1,1525)	1:34:A:ILE:HD11	1:57:A:VAL:HG23	11	0.1
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG21	11	0.1
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG22	11	0.1
(1,1525)	1:34:A:ILE:HD12	1:57:A:VAL:HG23	11	0.1
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG21	11	0.1
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG22	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:34:A:ILE:HD13	1:57:A:VAL:HG23	11	0.1
(1,1524)	1:15:A:ILE:HD11	1:48:A:ASN:HB2	8	0.1
(1,1524)	1:15:A:ILE:HD12	1:48:A:ASN:HB2	8	0.1
(1,1524)	1:15:A:ILE:HD13	1:48:A:ASN:HB2	8	0.1
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD11	9	0.1
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD12	9	0.1
(1,1521)	1:25:A:TYR:HD1	1:37:A:ILE:HD13	9	0.1
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD11	9	0.1
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD12	9	0.1
(1,1521)	1:25:A:TYR:HD2	1:37:A:ILE:HD13	9	0.1
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD11	3	0.1
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD12	3	0.1
(1,1518)	1:21:A:GLU:HG3	1:37:A:ILE:HD13	3	0.1
(1,1517)	1:24:A:LEU:HD11	1:37:A:ILE:HD11	18	0.1
(1,1517)	1:24:A:LEU:HD11	1:37:A:ILE:HD12	18	0.1
(1,1517)	1:24:A:LEU:HD11	1:37:A:ILE:HD13	18	0.1
(1,1517)	1:24:A:LEU:HD12	1:37:A:ILE:HD11	18	0.1
(1,1517)	1:24:A:LEU:HD12	1:37:A:ILE:HD12	18	0.1
(1,1517)	1:24:A:LEU:HD12	1:37:A:ILE:HD13	18	0.1
(1,1517)	1:24:A:LEU:HD13	1:37:A:ILE:HD11	18	0.1
(1,1517)	1:24:A:LEU:HD13	1:37:A:ILE:HD12	18	0.1
(1,1517)	1:24:A:LEU:HD13	1:37:A:ILE:HD13	18	0.1
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG11	1	0.1
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG12	1	0.1
(1,1493)	1:33:A:ASP:HB2	1:57:A:VAL:HG13	1	0.1
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG11	1	0.1
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG12	1	0.1
(1,1493)	1:33:A:ASP:HB3	1:57:A:VAL:HG13	1	0.1
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD2	13	0.1
(1,1476)	1:77:A:LYS:HG2	1:77:A:LYS:HD3	13	0.1
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD2	13	0.1
(1,1476)	1:77:A:LYS:HG3	1:77:A:LYS:HD3	13	0.1
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	8	0.1
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	8	0.1
(1,1471)	1:15:A:ILE:HG12	1:48:A:ASN:HB3	13	0.1
(1,1471)	1:15:A:ILE:HG13	1:48:A:ASN:HB3	13	0.1
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD11	15	0.1
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD12	15	0.1
(1,1467)	1:23:A:SER:HB2	1:24:A:LEU:HD13	15	0.1
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE2	9	0.1
(1,1434)	1:63:A:LYS:HA	1:63:A:LYS:HE3	9	0.1
(1,1409)	1:41:A:LEU:HD11	1:47:A:LYS:HA	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1409)	1:41:A:LEU:HD12	1:47:A:LYS:HA	4	0.1
(1,1409)	1:41:A:LEU:HD13	1:47:A:LYS:HA	4	0.1
(1,1406)	1:56:A:TYR:HE1	1:62:A:ALA:HA	4	0.1
(1,1406)	1:56:A:TYR:HE2	1:62:A:ALA:HA	4	0.1
(1,1406)	1:56:A:TYR:HE1	1:62:A:ALA:HA	5	0.1
(1,1406)	1:56:A:TYR:HE2	1:62:A:ALA:HA	5	0.1
(1,1406)	1:56:A:TYR:HE1	1:62:A:ALA:HA	12	0.1
(1,1406)	1:56:A:TYR:HE2	1:62:A:ALA:HA	12	0.1
(1,1397)	1:11:A:PHE:HB2	1:53:A:PHE:HA	14	0.1
(1,1397)	1:11:A:PHE:HB3	1:53:A:PHE:HA	14	0.1
(1,1389)	1:64:A:HIS:HA	1:67:A:TYR:HB2	8	0.1
(1,1389)	1:64:A:HIS:HA	1:67:A:TYR:HB2	13	0.1
(1,1387)	1:22:A:LYS:HA	1:25:A:TYR:HB2	14	0.1
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD11	7	0.1
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD12	7	0.1
(1,1370)	1:15:A:ILE:HA	1:15:A:ILE:HD13	7	0.1
(1,1364)	1:37:A:ILE:HD11	1:54:A:VAL:HA	7	0.1
(1,1364)	1:37:A:ILE:HD12	1:54:A:VAL:HA	7	0.1
(1,1364)	1:37:A:ILE:HD13	1:54:A:VAL:HA	7	0.1
(1,1349)	1:75:A:ASN:HB2	1:76:A:GLY:H	2	0.1
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	5	0.1
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	5	0.1
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	5	0.1
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD11	6	0.1
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD12	6	0.1
(1,1344)	1:32:A:GLY:H	1:34:A:ILE:HD13	6	0.1
(1,1338)	1:13:A:GLY:H	1:14:A:GLY:H	13	0.1
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	7	0.1
(1,1336)	1:49:A:ARG:HB3	1:50:A:GLY:H	14	0.1
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD1	8	0.1
(1,1301)	1:7:A:THR:H	1:83:A:TYR:HD2	8	0.1
(1,1293)	1:68:A:ASN:HD22	1:69:A:MET:HA	1	0.1
(1,1287)	1:15:A:ILE:HD11	1:51:A:PHE:H	19	0.1
(1,1287)	1:15:A:ILE:HD12	1:51:A:PHE:H	19	0.1
(1,1287)	1:15:A:ILE:HD13	1:51:A:PHE:H	19	0.1
(1,1286)	1:49:A:ARG:HG3	1:51:A:PHE:H	15	0.1
(1,1253)	1:22:A:LYS:H	1:23:A:SER:H	7	0.1
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG21	11	0.1
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG22	11	0.1
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG23	11	0.1
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG21	15	0.1
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG22	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1238)	1:33:A:ASP:H	1:57:A:VAL:HG23	15	0.1
(1,1237)	1:33:A:ASP:H	1:58:A:GLU:HG2	19	0.1
(1,1235)	1:30:A:SER:H	1:34:A:ILE:HD11	19	0.1
(1,1235)	1:30:A:SER:H	1:34:A:ILE:HD12	19	0.1
(1,1235)	1:30:A:SER:H	1:34:A:ILE:HD13	19	0.1
(1,1220)	1:62:A:ALA:H	1:63:A:LYS:H	8	0.1
(1,1214)	1:2:A:SER:H	1:3:A:ASP:H	18	0.1
(1,1197)	1:63:A:LYS:H	1:64:A:HIS:H	1	0.1
(1,1197)	1:63:A:LYS:H	1:64:A:HIS:H	19	0.1
(1,1191)	1:70:A:ASN:H	1:71:A:ASN:HD21	20	0.1
(1,1184)	1:41:A:LEU:HD21	1:48:A:ASN:H	14	0.1
(1,1184)	1:41:A:LEU:HD22	1:48:A:ASN:H	14	0.1
(1,1184)	1:41:A:LEU:HD23	1:48:A:ASN:H	14	0.1
(1,1183)	1:48:A:ASN:H	1:49:A:ARG:HG2	17	0.1
(1,1170)	1:9:A:ILE:H	1:84:A:SER:H	15	0.1
(1,1166)	1:5:A:ASN:H	1:6:A:ALA:H	11	0.1
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE2	10	0.1
(1,1164)	1:21:A:GLU:H	1:22:A:LYS:HE3	10	0.1
(1,1160)	1:58:A:GLU:HB2	1:60:A:ASP:H	8	0.1
(1,1159)	1:58:A:GLU:HG3	1:60:A:ASP:H	4	0.1
(1,1158)	1:58:A:GLU:HA	1:60:A:ASP:H	13	0.1
(1,1157)	1:60:A:ASP:H	1:61:A:ASP:H	10	0.1
(1,1139)	1:33:A:ASP:HB2	1:57:A:VAL:H	4	0.1
(1,1139)	1:33:A:ASP:HB3	1:57:A:VAL:H	4	0.1
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG21	4	0.1
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG22	4	0.1
(1,1127)	1:17:A:GLU:H	1:18:A:THR:HG23	4	0.1
(1,1126)	1:17:A:GLU:H	1:17:A:GLU:HG3	13	0.1
(1,1124)	1:17:A:GLU:H	1:18:A:THR:H	3	0.1
(1,1101)	1:28:A:PHE:HB2	1:29:A:SER:H	7	0.1
(1,1077)	1:66:A:LEU:HD21	1:82:A:ASN:H	6	0.1
(1,1077)	1:66:A:LEU:HD22	1:82:A:ASN:H	6	0.1
(1,1077)	1:66:A:LEU:HD23	1:82:A:ASN:H	6	0.1
(1,1072)	1:69:A:MET:HB2	1:71:A:ASN:H	17	0.1
(1,1072)	1:69:A:MET:HB3	1:71:A:ASN:H	17	0.1
(1,1066)	1:69:A:MET:HB2	1:72:A:PHE:H	8	0.1
(1,1066)	1:69:A:MET:HB3	1:72:A:PHE:H	8	0.1
(1,1057)	1:9:A:ILE:HG21	1:54:A:VAL:H	5	0.1
(1,1057)	1:9:A:ILE:HG22	1:54:A:VAL:H	5	0.1
(1,1057)	1:9:A:ILE:HG23	1:54:A:VAL:H	5	0.1
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD11	8	0.1
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD12	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1028)	1:25:A:TYR:H	1:34:A:ILE:HD13	8	0.1
(1,1025)	1:80:A:HIS:HD2	1:81:A:VAL:H	7	0.1
(1,1019)	1:80:A:HIS:HB2	1:81:A:VAL:H	16	0.1
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD2	8	0.1
(1,1006)	1:85:A:LYS:H	1:85:A:LYS:HD3	8	0.1
(1,990)	1:73:A:GLU:H	1:73:A:GLU:HG2	15	0.1
(1,983)	1:38:A:GLU:HB3	1:39:A:VAL:H	8	0.1
(1,982)	1:38:A:GLU:HG2	1:39:A:VAL:H	4	0.1
(1,982)	1:38:A:GLU:HG2	1:39:A:VAL:H	11	0.1
(1,970)	1:35:A:ARG:H	1:55:A:GLU:H	14	0.1
(1,964)	1:56:A:TYR:H	1:57:A:VAL:H	3	0.1
(1,964)	1:56:A:TYR:H	1:57:A:VAL:H	13	0.1
(1,949)	1:35:A:ARG:H	1:56:A:TYR:H	14	0.1
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	10	0.1
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	10	0.1
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	10	0.1
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	10	0.1
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	10	0.1
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	10	0.1
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD1	20	0.1
(1,936)	1:27:A:ILE:HG21	1:28:A:PHE:HD2	20	0.1
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD1	20	0.1
(1,936)	1:27:A:ILE:HG22	1:28:A:PHE:HD2	20	0.1
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD1	20	0.1
(1,936)	1:27:A:ILE:HG23	1:28:A:PHE:HD2	20	0.1
(1,929)	1:11:A:PHE:HB2	1:53:A:PHE:HE1	4	0.1
(1,929)	1:11:A:PHE:HB2	1:53:A:PHE:HE2	4	0.1
(1,929)	1:11:A:PHE:HB3	1:53:A:PHE:HE1	4	0.1
(1,929)	1:11:A:PHE:HB3	1:53:A:PHE:HE2	4	0.1
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE1	4	0.1
(1,927)	1:53:A:PHE:HA	1:53:A:PHE:HE2	4	0.1
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD1	5	0.1
(1,914)	1:7:A:THR:HG21	1:83:A:TYR:HD2	5	0.1
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD1	5	0.1
(1,914)	1:7:A:THR:HG22	1:83:A:TYR:HD2	5	0.1
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD1	5	0.1
(1,914)	1:7:A:THR:HG23	1:83:A:TYR:HD2	5	0.1
(1,900)	1:34:A:ILE:HD11	1:37:A:ILE:HG12	6	0.1
(1,900)	1:34:A:ILE:HD11	1:37:A:ILE:HG13	6	0.1
(1,900)	1:34:A:ILE:HD12	1:37:A:ILE:HG12	6	0.1
(1,900)	1:34:A:ILE:HD12	1:37:A:ILE:HG13	6	0.1
(1,900)	1:34:A:ILE:HD13	1:37:A:ILE:HG12	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,900)	1:34:A:ILE:HD13	1:37:A:ILE:HG13	6	0.1
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD11	7	0.1
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD12	7	0.1
(1,876)	1:73:A:GLU:HA	1:79:A:ILE:HD13	7	0.1
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD11	19	0.1
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD12	19	0.1
(1,860)	1:26:A:ASP:H	1:27:A:ILE:HD13	19	0.1
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG21	12	0.1
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG22	12	0.1
(1,849)	1:37:A:ILE:H	1:37:A:ILE:HG23	12	0.1
(1,844)	1:27:A:ILE:HG21	1:28:A:PHE:H	17	0.1
(1,844)	1:27:A:ILE:HG22	1:28:A:PHE:H	17	0.1
(1,844)	1:27:A:ILE:HG23	1:28:A:PHE:H	17	0.1
(1,830)	1:34:A:ILE:HG21	1:56:A:TYR:HA	15	0.1
(1,830)	1:34:A:ILE:HG22	1:56:A:TYR:HA	15	0.1
(1,830)	1:34:A:ILE:HG23	1:56:A:TYR:HA	15	0.1
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG21	10	0.1
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG22	10	0.1
(1,827)	1:25:A:TYR:HD1	1:34:A:ILE:HG23	10	0.1
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG21	10	0.1
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG22	10	0.1
(1,827)	1:25:A:TYR:HD2	1:34:A:ILE:HG23	10	0.1
(1,824)	1:34:A:ILE:H	1:34:A:ILE:HG21	8	0.1
(1,824)	1:34:A:ILE:H	1:34:A:ILE:HG22	8	0.1
(1,824)	1:34:A:ILE:H	1:34:A:ILE:HG23	8	0.1
(1,818)	1:9:A:ILE:HG21	1:55:A:GLU:HG3	2	0.1
(1,818)	1:9:A:ILE:HG22	1:55:A:GLU:HG3	2	0.1
(1,818)	1:9:A:ILE:HG23	1:55:A:GLU:HG3	2	0.1
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	8	0.1
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	8	0.1
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	8	0.1
(1,813)	1:9:A:ILE:HG21	1:84:A:SER:H	20	0.1
(1,813)	1:9:A:ILE:HG22	1:84:A:SER:H	20	0.1
(1,813)	1:9:A:ILE:HG23	1:84:A:SER:H	20	0.1
(1,805)	1:15:A:ILE:HG21	1:48:A:ASN:HD22	11	0.1
(1,805)	1:15:A:ILE:HG22	1:48:A:ASN:HD22	11	0.1
(1,805)	1:15:A:ILE:HG23	1:48:A:ASN:HD22	11	0.1
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB1	13	0.1
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB2	13	0.1
(1,795)	1:8:A:ASP:HA	1:62:A:ALA:HB3	13	0.1
(1,768)	1:31:A:PHE:HB2	1:65:A:ALA:HB1	3	0.1
(1,768)	1:31:A:PHE:HB2	1:65:A:ALA:HB2	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:31:A:PHE:HB2	1:65:A:ALA:HB3	3	0.1
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB1	4	0.1
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB2	4	0.1
(1,752)	1:6:A:ALA:H	1:6:A:ALA:HB3	4	0.1
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG11	8	0.1
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG12	8	0.1
(1,739)	1:34:A:ILE:HG13	1:54:A:VAL:HG13	8	0.1
(1,736)	1:37:A:ILE:HA	1:54:A:VAL:HG11	16	0.1
(1,736)	1:37:A:ILE:HA	1:54:A:VAL:HG12	16	0.1
(1,736)	1:37:A:ILE:HA	1:54:A:VAL:HG13	16	0.1
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE1	4	0.1
(1,735)	1:54:A:VAL:HG11	1:56:A:TYR:HE2	4	0.1
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE1	4	0.1
(1,735)	1:54:A:VAL:HG12	1:56:A:TYR:HE2	4	0.1
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE1	4	0.1
(1,735)	1:54:A:VAL:HG13	1:56:A:TYR:HE2	4	0.1
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE2	18	0.1
(1,730)	1:59:A:VAL:HG21	1:63:A:LYS:HE3	18	0.1
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE2	18	0.1
(1,730)	1:59:A:VAL:HG22	1:63:A:LYS:HE3	18	0.1
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE2	18	0.1
(1,730)	1:59:A:VAL:HG23	1:63:A:LYS:HE3	18	0.1
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG21	11	0.1
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG22	11	0.1
(1,729)	1:8:A:ASP:H	1:59:A:VAL:HG23	11	0.1
(1,720)	1:39:A:VAL:HG11	1:52:A:ALA:HA	15	0.1
(1,720)	1:39:A:VAL:HG12	1:52:A:ALA:HA	15	0.1
(1,720)	1:39:A:VAL:HG13	1:52:A:ALA:HA	15	0.1
(1,720)	1:39:A:VAL:HG21	1:52:A:ALA:HA	15	0.1
(1,720)	1:39:A:VAL:HG22	1:52:A:ALA:HA	15	0.1
(1,720)	1:39:A:VAL:HG23	1:52:A:ALA:HA	15	0.1
(1,710)	1:57:A:VAL:HG11	1:58:A:GLU:HB3	14	0.1
(1,710)	1:57:A:VAL:HG12	1:58:A:GLU:HB3	14	0.1
(1,710)	1:57:A:VAL:HG13	1:58:A:GLU:HB3	14	0.1
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG11	1	0.1
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG12	1	0.1
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG13	1	0.1
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG11	4	0.1
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG12	4	0.1
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG13	4	0.1
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG11	17	0.1
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG12	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,705)	1:57:A:VAL:H	1:57:A:VAL:HG13	17	0.1
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG21	2	0.1
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG22	2	0.1
(1,703)	1:42:A:ASN:HD22	1:45:A:THR:HG23	2	0.1
(1,700)	1:44:A:THR:H	1:45:A:THR:HG21	14	0.1
(1,700)	1:44:A:THR:H	1:45:A:THR:HG22	14	0.1
(1,700)	1:44:A:THR:H	1:45:A:THR:HG23	14	0.1
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG21	14	0.1
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG22	14	0.1
(1,696)	1:6:A:ALA:HA	1:7:A:THR:HG23	14	0.1
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG21	12	0.1
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG22	12	0.1
(1,688)	1:18:A:THR:HG21	1:19:A:ILE:HG23	12	0.1
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG21	12	0.1
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG22	12	0.1
(1,688)	1:18:A:THR:HG22	1:19:A:ILE:HG23	12	0.1
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG21	12	0.1
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG22	12	0.1
(1,688)	1:18:A:THR:HG23	1:19:A:ILE:HG23	12	0.1
(1,687)	1:16:A:ASP:HB3	1:18:A:THR:HG21	4	0.1
(1,687)	1:16:A:ASP:HB3	1:18:A:THR:HG22	4	0.1
(1,687)	1:16:A:ASP:HB3	1:18:A:THR:HG23	4	0.1
(1,674)	1:41:A:LEU:HD21	1:46:A:LYS:HA	16	0.1
(1,674)	1:41:A:LEU:HD22	1:46:A:LYS:HA	16	0.1
(1,674)	1:41:A:LEU:HD23	1:46:A:LYS:HA	16	0.1
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG21	1	0.1
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG22	1	0.1
(1,669)	1:69:A:MET:H	1:81:A:VAL:HG23	1	0.1
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG21	3	0.1
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG22	3	0.1
(1,668)	1:13:A:GLY:H	1:81:A:VAL:HG23	3	0.1
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG21	5	0.1
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG22	5	0.1
(1,666)	1:69:A:MET:HG2	1:81:A:VAL:HG23	5	0.1
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG21	5	0.1
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG22	5	0.1
(1,666)	1:69:A:MET:HG3	1:81:A:VAL:HG23	5	0.1
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG21	3	0.1
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG22	3	0.1
(1,664)	1:70:A:ASN:HA	1:81:A:VAL:HG23	3	0.1
(1,663)	1:81:A:VAL:HG21	1:82:A:ASN:H	11	0.1
(1,663)	1:81:A:VAL:HG22	1:82:A:ASN:H	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:81:A:VAL:HG23	1:82:A:ASN:H	11	0.1
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG21	1	0.1
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG22	1	0.1
(1,655)	1:9:A:ILE:HG13	1:86:A:THR:HG23	1	0.1
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG21	6	0.1
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG22	6	0.1
(1,653)	1:57:A:VAL:H	1:57:A:VAL:HG23	6	0.1
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD21	2	0.1
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD22	2	0.1
(1,646)	1:19:A:ILE:HG12	1:24:A:LEU:HD23	2	0.1
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD21	2	0.1
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD22	2	0.1
(1,646)	1:19:A:ILE:HG13	1:24:A:LEU:HD23	2	0.1
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG21	7	0.1
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG22	7	0.1
(1,644)	1:24:A:LEU:HD21	1:54:A:VAL:HG23	7	0.1
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG21	7	0.1
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG22	7	0.1
(1,644)	1:24:A:LEU:HD22	1:54:A:VAL:HG23	7	0.1
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG21	7	0.1
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG22	7	0.1
(1,644)	1:24:A:LEU:HD23	1:54:A:VAL:HG23	7	0.1
(1,638)	1:10:A:LEU:HD21	1:83:A:TYR:HD1	15	0.1
(1,638)	1:10:A:LEU:HD21	1:83:A:TYR:HD2	15	0.1
(1,638)	1:10:A:LEU:HD22	1:83:A:TYR:HD1	15	0.1
(1,638)	1:10:A:LEU:HD22	1:83:A:TYR:HD2	15	0.1
(1,638)	1:10:A:LEU:HD23	1:83:A:TYR:HD1	15	0.1
(1,638)	1:10:A:LEU:HD23	1:83:A:TYR:HD2	15	0.1
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG11	9	0.1
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG12	9	0.1
(1,627)	1:12:A:VAL:HA	1:81:A:VAL:HG13	9	0.1
(1,606)	1:47:A:LYS:HG2	1:48:A:ASN:H	9	0.1
(1,606)	1:47:A:LYS:HG3	1:48:A:ASN:H	9	0.1
(1,600)	1:41:A:LEU:HD11	1:46:A:LYS:HA	10	0.1
(1,600)	1:41:A:LEU:HD12	1:46:A:LYS:HA	10	0.1
(1,600)	1:41:A:LEU:HD13	1:46:A:LYS:HA	10	0.1
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD11	5	0.1
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD12	5	0.1
(1,597)	1:41:A:LEU:HB2	1:41:A:LEU:HD13	5	0.1
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG12	16	0.1
(1,573)	1:15:A:ILE:HG12	1:19:A:ILE:HG13	16	0.1
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG12	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,573)	1:15:A:ILE:HG13	1:19:A:ILE:HG13	16	0.1
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB1	2	0.1
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB2	2	0.1
(1,553)	1:10:A:LEU:HG	1:65:A:ALA:HB3	2	0.1
(1,551)	1:10:A:LEU:HD21	1:66:A:LEU:HG	8	0.1
(1,551)	1:10:A:LEU:HD22	1:66:A:LEU:HG	8	0.1
(1,551)	1:10:A:LEU:HD23	1:66:A:LEU:HG	8	0.1
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE1	17	0.1
(1,549)	1:27:A:ILE:HG12	1:28:A:PHE:HE2	17	0.1
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE1	17	0.1
(1,549)	1:27:A:ILE:HG13	1:28:A:PHE:HE2	17	0.1
(1,547)	1:35:A:ARG:HG2	1:36:A:ASN:HB2	2	0.1
(1,547)	1:35:A:ARG:HG3	1:36:A:ASN:HB2	2	0.1
(1,541)	1:48:A:ASN:HA	1:49:A:ARG:HG3	18	0.1
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD2	14	0.1
(1,518)	1:43:A:MET:HA	1:46:A:LYS:HD3	14	0.1
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD2	13	0.1
(1,515)	1:47:A:LYS:HA	1:47:A:LYS:HD3	13	0.1
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD2	18	0.1
(1,514)	1:47:A:LYS:H	1:47:A:LYS:HD3	18	0.1
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD2	15	0.1
(1,511)	1:77:A:LYS:HA	1:77:A:LYS:HD3	15	0.1
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG11	6	0.1
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG12	6	0.1
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG13	6	0.1
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG21	6	0.1
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG22	6	0.1
(1,496)	1:21:A:GLU:HB2	1:39:A:VAL:HG23	6	0.1
(1,495)	1:20:A:ASP:HB3	1:21:A:GLU:HB2	20	0.1
(1,486)	1:-1:A:SER:HA	1:0:A:HIS:HB2	15	0.1
(1,473)	1:58:A:GLU:HB2	1:61:A:ASP:H	19	0.1
(1,469)	1:35:A:ARG:HB3	1:55:A:GLU:HB2	12	0.1
(1,467)	1:49:A:ARG:HB2	1:51:A:PHE:HE1	13	0.1
(1,467)	1:49:A:ARG:HB2	1:51:A:PHE:HE2	13	0.1
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB2	5	0.1
(1,460)	1:21:A:GLU:H	1:22:A:LYS:HB3	5	0.1
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB2	5	0.1
(1,458)	1:22:A:LYS:H	1:22:A:LYS:HB3	5	0.1
(1,444)	1:43:A:MET:HA	1:43:A:MET:HG3	5	0.1
(1,439)	1:40:A:PRO:HB3	1:41:A:LEU:H	17	0.1
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG2	4	0.1
(1,438)	1:28:A:PHE:HD1	1:69:A:MET:HG3	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG2	4	0.1
(1,438)	1:28:A:PHE:HD2	1:69:A:MET:HG3	4	0.1
(1,435)	1:11:A:PHE:HA	1:12:A:VAL:HB	14	0.1
(1,405)	1:57:A:VAL:HG21	1:58:A:GLU:HG2	5	0.1
(1,405)	1:57:A:VAL:HG22	1:58:A:GLU:HG2	5	0.1
(1,405)	1:57:A:VAL:HG23	1:58:A:GLU:HG2	5	0.1
(1,382)	1:17:A:GLU:HB2	1:17:A:GLU:HG2	14	0.1
(1,382)	1:17:A:GLU:HB3	1:17:A:GLU:HG2	14	0.1
(1,376)	1:21:A:GLU:HG3	1:39:A:VAL:H	16	0.1
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG11	3	0.1
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG12	3	0.1
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG13	3	0.1
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG21	3	0.1
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG22	3	0.1
(1,375)	1:21:A:GLU:HG3	1:39:A:VAL:HG23	3	0.1
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB1	20	0.1
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB2	20	0.1
(1,329)	1:31:A:PHE:HB3	1:65:A:ALA:HB3	20	0.1
(1,328)	1:31:A:PHE:HB3	1:32:A:GLY:HA2	8	0.1
(1,325)	1:79:A:ILE:HB	1:80:A:HIS:H	14	0.1
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG21	8	0.1
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG22	8	0.1
(1,320)	1:8:A:ASP:HB3	1:59:A:VAL:HG23	8	0.1
(1,317)	1:8:A:ASP:HB2	1:59:A:VAL:HA	2	0.1
(1,317)	1:8:A:ASP:HB2	1:59:A:VAL:HA	11	0.1
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	2	0.1
(1,316)	1:34:A:ILE:HB	1:35:A:ARG:H	18	0.1
(1,311)	1:26:A:ASP:HB3	1:27:A:ILE:H	4	0.1
(1,306)	1:9:A:ILE:HB	1:84:A:SER:HB2	8	0.1
(1,306)	1:9:A:ILE:HB	1:84:A:SER:HB3	8	0.1
(1,306)	1:9:A:ILE:HB	1:84:A:SER:HB2	14	0.1
(1,306)	1:9:A:ILE:HB	1:84:A:SER:HB3	14	0.1
(1,301)	1:56:A:TYR:HB2	1:58:A:GLU:H	6	0.1
(1,300)	1:9:A:ILE:HB	1:10:A:LEU:H	5	0.1
(1,287)	1:63:A:LYS:HA	1:66:A:LEU:HB3	17	0.1
(1,246)	1:15:A:ILE:HA	1:16:A:ASP:HB3	2	0.1
(1,243)	1:20:A:ASP:H	1:20:A:ASP:HB3	16	0.1
(1,242)	1:20:A:ASP:HB3	1:22:A:LYS:H	5	0.1
(1,232)	1:20:A:ASP:HB3	1:21:A:GLU:H	2	0.1
(1,213)	1:41:A:LEU:H	1:41:A:LEU:HB3	10	0.1
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG2	14	0.1
(1,197)	1:74:A:LEU:HB3	1:77:A:LYS:HG3	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:73:A:GLU:HA	1:74:A:LEU:HB2	19	0.1
(1,181)	1:20:A:ASP:HA	1:21:A:GLU:H	5	0.1
(1,170)	1:10:A:LEU:HA	1:82:A:ASN:H	13	0.1
(1,156)	1:9:A:ILE:HG13	1:55:A:GLU:HA	4	0.1
(1,156)	1:9:A:ILE:HG13	1:55:A:GLU:HA	9	0.1
(1,137)	1:73:A:GLU:HB2	1:78:A:ARG:HA	5	0.1
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG2	18	0.1
(1,134)	1:85:A:LYS:HA	1:85:A:LYS:HG3	18	0.1
(1,126)	1:12:A:VAL:HG21	1:53:A:PHE:HA	18	0.1
(1,126)	1:12:A:VAL:HG22	1:53:A:PHE:HA	18	0.1
(1,126)	1:12:A:VAL:HG23	1:53:A:PHE:HA	18	0.1
(1,124)	1:43:A:MET:HA	1:46:A:LYS:HA	20	0.1
(1,96)	1:17:A:GLU:HA	1:48:A:ASN:HD21	13	0.1
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG21	18	0.1
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG22	18	0.1
(1,94)	1:17:A:GLU:HA	1:18:A:THR:HG23	18	0.1
(1,78)	1:34:A:ILE:HA	1:36:A:ASN:H	3	0.1
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG21	11	0.1
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG22	11	0.1
(1,62)	1:21:A:GLU:HA	1:37:A:ILE:HG23	11	0.1
(1,60)	1:21:A:GLU:HA	1:25:A:TYR:H	12	0.1
(1,51)	1:23:A:SER:HA	1:26:A:ASP:H	3	0.1
(1,51)	1:23:A:SER:HA	1:26:A:ASP:H	4	0.1
(1,49)	1:23:A:SER:HA	1:26:A:ASP:HB2	2	0.1
(1,47)	1:29:A:SER:HB2	1:34:A:ILE:HG13	4	0.1
(1,47)	1:29:A:SER:HB2	1:34:A:ILE:HG13	20	0.1
(1,35)	1:22:A:LYS:HD2	1:23:A:SER:HB3	2	0.1
(1,35)	1:22:A:LYS:HD3	1:23:A:SER:HB3	2	0.1
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB2	16	0.1
(1,22)	1:11:A:PHE:H	1:84:A:SER:HB3	16	0.1
(1,17)	1:58:A:GLU:HA	1:59:A:VAL:HA	12	0.1
(1,16)	1:59:A:VAL:HA	1:62:A:ALA:H	14	0.1
(1,13)	1:35:A:ARG:HD2	1:57:A:VAL:HA	1	0.1
(1,13)	1:35:A:ARG:HD3	1:57:A:VAL:HA	1	0.1
(1,11)	1:42:A:ASN:HD21	1:44:A:THR:HB	20	0.1
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG2	19	0.1
(1,7)	1:44:A:THR:HB	1:47:A:LYS:HG3	19	0.1

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

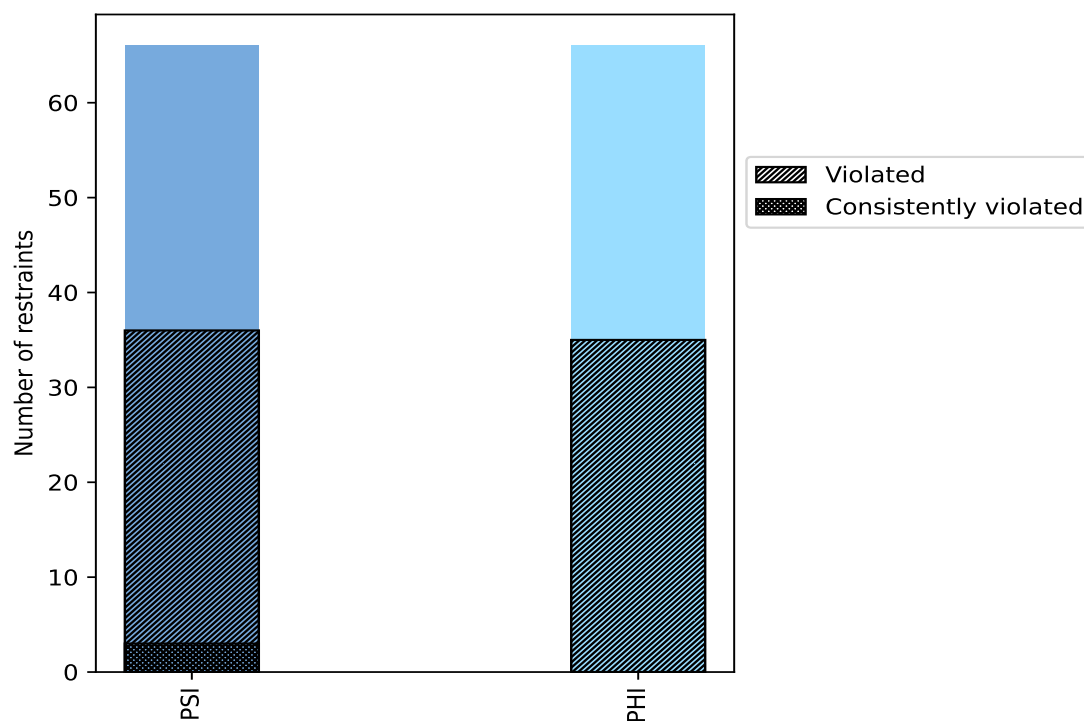
### 10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% <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	66	50.0	36	54.5	27.3	3	4.5	2.3
PHI	66	50.0	35	53.0	26.5	0	0.0	0.0
Total	132	100.0	71	53.8	53.8	3	2.3	2.3

<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](#)



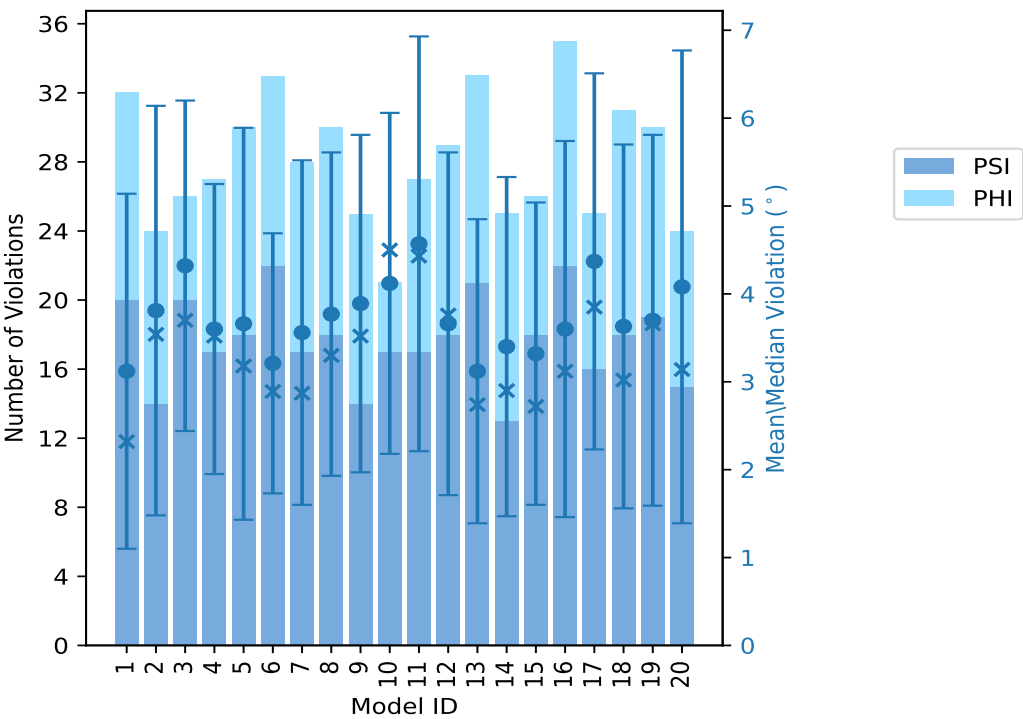
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

## 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	20	12	32	3.12	7.65	2.02	2.32
2	14	10	24	3.81	8.78	2.33	3.54
3	20	6	26	4.32	8.74	1.88	3.7
4	17	10	27	3.6	7.47	1.65	3.52
5	18	12	30	3.66	9.97	2.23	3.18
6	22	11	33	3.21	7.38	1.48	2.89
7	17	11	28	3.56	9.1	1.96	2.87
8	18	12	30	3.77	7.6	1.84	3.3
9	14	11	25	3.89	9.5	1.92	3.52
10	17	4	21	4.12	9.07	1.94	4.5
11	17	10	27	4.57	9.79	2.36	4.43
12	18	11	29	3.66	8.24	1.95	3.76
13	21	12	33	3.12	7.73	1.73	2.74
14	13	12	25	3.4	7.22	1.93	2.9
15	18	8	26	3.32	7.76	1.72	2.72
16	22	13	35	3.6	9.58	2.14	3.12
17	16	9	25	4.37	8.42	2.14	3.85
18	18	13	31	3.63	10.69	2.07	3.02
19	19	11	30	3.7	10.47	2.11	3.66
20	15	9	24	4.08	12.3	2.69	3.14

10.2.1 Bar graph : Dihedral violation statistics for each model ⓘ



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

10.3 Dihedral-angle violation statistics for the ensemble ⓘ

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

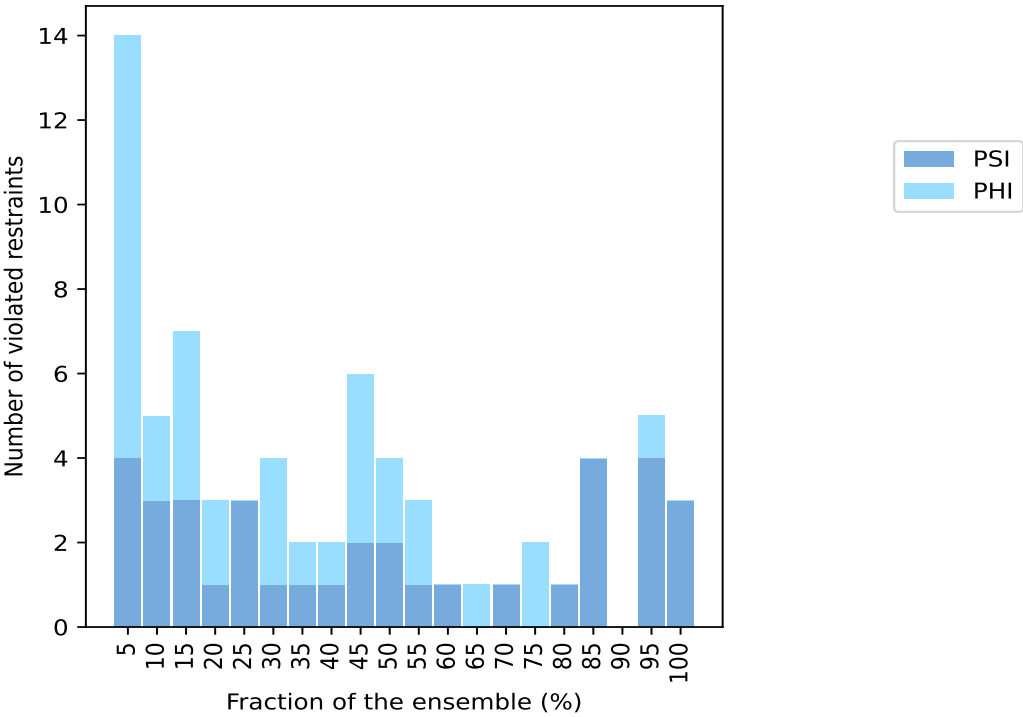
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count <sup>1</sup>	%
1	0	1	12	60.0
0	1	1	13	65.0
1	0	1	14	70.0
0	2	2	15	75.0
1	0	1	16	80.0
4	0	4	17	85.0
0	0	0	18	90.0
4	1	5	19	95.0
3	0	3	20	100.0

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

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble ⓘ

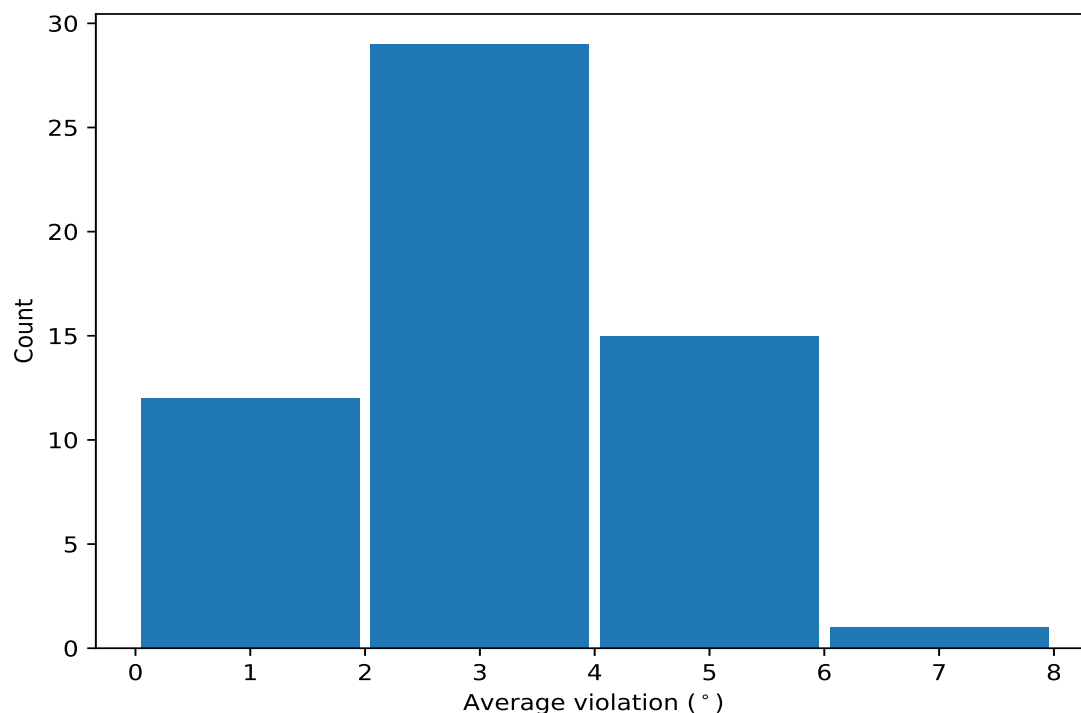


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

10.4.1 Histogram : Distribution of mean dihedral-angle violations ⓘ

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

in the ensemble



#### 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
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	20	6.96	1.56	7.22
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	20	5.59	1.47	5.64
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	20	5.31	0.69	5.43
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	19	5.9	2.77	4.93
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	19	4.46	2.24	4.55
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	19	4.31	1.16	4.28
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	19	2.92	1.12	2.74
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	19	2.72	0.74	2.79
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	17	5.41	2.03	5.98
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	17	4.93	2.47	4.0
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	17	4.43	2.25	3.66
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	17	4.06	1.12	4.12
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	16	3.41	1.26	3.06
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	15	4.23	1.84	3.98
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	15	2.92	1.05	2.73
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	14	4.33	1.27	4.49
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	13	2.76	1.37	3.03
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	12	3.69	1.01	3.78
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	11	5.78	1.91	6.49
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	11	2.91	0.97	2.68

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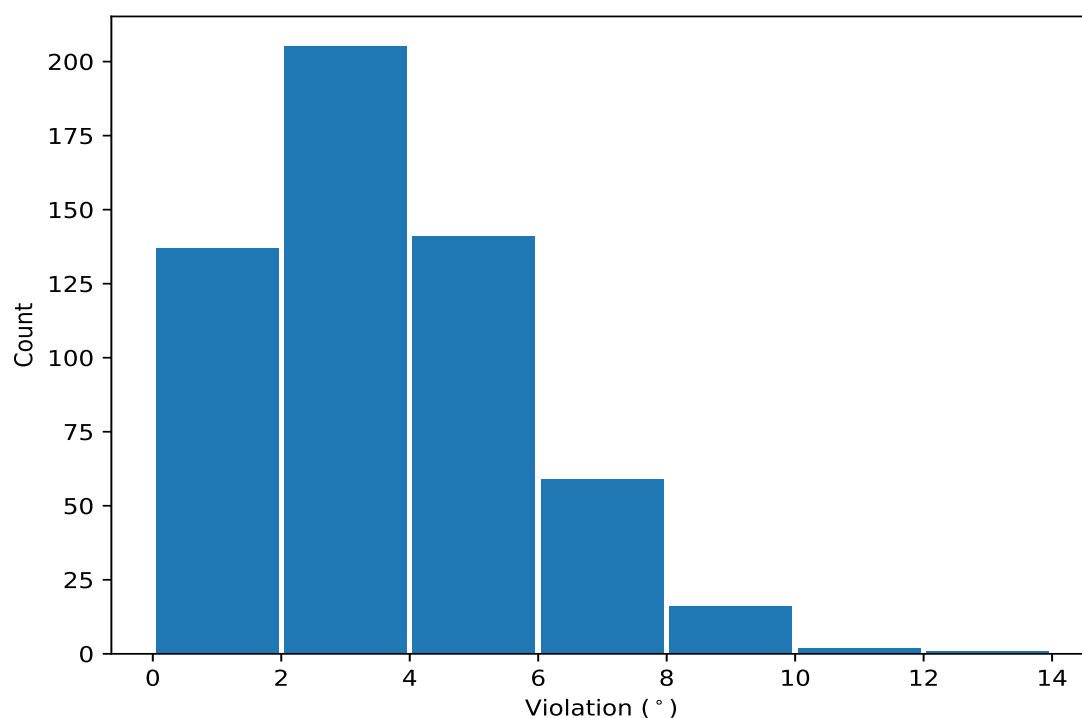
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models <sup>1</sup>	Mean	SD <sup>2</sup>	Median
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	11	2.41	0.91	1.96
(1,59)	1:41:A:LEU:C	1:42:A:ASN:N	1:42:A:ASN:CA	1:42:A:ASN:C	10	4.14	2.15	4.71
(1,80)	1:55:A:GLU:N	1:55:A:GLU:CA	1:55:A:GLU:C	1:56:A:TYR:N	10	3.96	2.45	3.38
(1,57)	1:40:A:PRO:C	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	10	2.27	0.8	2.06
(1,92)	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1:63:A:LYS:N	10	1.86	0.86	1.53
(1,121)	1:77:A:LYS:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	9	3.61	1.94	4.17
(1,65)	1:44:A:THR:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	9	3.06	1.34	2.95
(1,2)	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	1:11:A:PHE:N	9	2.95	2.0	2.6
(1,113)	1:73:A:GLU:C	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	9	2.94	0.77	2.9
(1,83)	1:56:A:TYR:C	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	9	2.68	1.37	2.04
(1,56)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:PRO:N	9	2.41	0.46	2.34
(1,54)	1:38:A:GLU:N	1:38:A:GLU:CA	1:38:A:GLU:C	1:39:A:VAL:N	8	3.49	1.66	3.4
(1,15)	1:17:A:GLU:C	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	8	2.81	1.77	2.24
(1,91)	1:61:A:ASP:C	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	7	2.4	1.11	2.07
(1,22)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:LYS:N	7	1.77	0.79	1.46
(1,125)	1:79:A:ILE:C	1:80:A:HIS:N	1:80:A:HIS:CA	1:80:A:HIS:C	6	3.15	1.82	2.98
(1,1)	1:9:A:ILE:C	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	6	2.45	0.71	2.43
(1,106)	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	1:70:A:ASN:N	6	1.49	0.27	1.46
(1,45)	1:33:A:ASP:C	1:34:A:ILE:N	1:34:A:ILE:CA	1:34:A:ILE:C	6	1.15	0.14	1.08
(1,132)	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	1:86:A:THR:N	5	5.49	1.51	4.76
(1,10)	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	1:16:A:ASP:N	5	3.5	0.96	3.57
(1,110)	1:71:A:ASN:N	1:71:A:ASN:CA	1:71:A:ASN:C	1:72:A:PHE:N	5	1.49	0.2	1.41
(1,55)	1:38:A:GLU:C	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	4	2.47	1.34	1.9
(1,30)	1:25:A:TYR:N	1:25:A:TYR:CA	1:25:A:TYR:C	1:26:A:ASP:N	4	2.35	0.44	2.5
(1,13)	1:16:A:ASP:C	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	4	1.97	0.86	1.52
(1,105)	1:68:A:ASN:C	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	3	4.19	2.31	4.01
(1,102)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:ASN:N	3	3.37	0.79	3.92
(1,108)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:ASN:N	3	2.52	0.33	2.44
(1,84)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:GLU:N	3	2.07	0.42	2.25
(1,107)	1:69:A:MET:C	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	3	2.06	0.63	2.25
(1,85)	1:58:A:GLU:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	3	1.62	0.5	1.59
(1,49)	1:35:A:ARG:C	1:36:A:ASN:N	1:36:A:ASN:CA	1:36:A:ASN:C	3	1.41	0.1	1.41
(1,114)	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	1:75:A:ASN:N	2	2.26	0.64	2.26
(1,63)	1:43:A:MET:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	2	1.79	0.54	1.79
(1,104)	1:68:A:ASN:N	1:68:A:ASN:CA	1:68:A:ASN:C	1:69:A:MET:N	2	1.61	0.0	1.61
(1,23)	1:21:A:GLU:C	1:22:A:LYS:N	1:22:A:LYS:CA	1:22:A:LYS:C	2	1.25	0.09	1.25
(1,128)	1:81:A:VAL:N	1:81:A:VAL:CA	1:81:A:VAL:C	1:82:A:ASN:N	2	1.08	0.01	1.08

<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 ⓘ

### 10.5.1 Histogram : Distribution of violations ⓘ

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 (°)
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	20	12.3
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	18	10.69
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	19	10.47
(1,80)	1:55:A:GLU:N	1:55:A:GLU:CA	1:55:A:GLU:C	1:56:A:TYR:N	5	9.97
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	5	9.84
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	11	9.79
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	16	9.58
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	11	9.54
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	9	9.5
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	7	9.1
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	10	9.07
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	11	8.94
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	2	8.78
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	3	8.74
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	2	8.67
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	17	8.42
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	16	8.33
(1,2)	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	1:11:A:PHE:N	12	8.24
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	20	8.08
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	9	7.99
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	7	7.95

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	12	7.94
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	3	7.82
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	17	7.81
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	15	7.76
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	13	7.73
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	19	7.68
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	1	7.65
(1,132)	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	1:86:A:THR:N	8	7.6
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	2	7.53
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	4	7.47
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	1	7.38
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	6	7.38
(1,15)	1:17:A:GLU:C	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	8	7.34
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	17	7.3
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	18	7.23
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	14	7.22
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	16	7.17
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1	7.17
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	20	7.15
(1,54)	1:38:A:GLU:N	1:38:A:GLU:CA	1:38:A:GLU:C	1:39:A:VAL:N	11	7.12
(1,105)	1:68:A:ASN:C	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	20	7.1
(1,59)	1:41:A:LEU:C	1:42:A:ASN:N	1:42:A:ASN:CA	1:42:A:ASN:C	14	7.1
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	11	7.09
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	10	7.05
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	10	6.96
(1,132)	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	1:86:A:THR:N	13	6.93
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	14	6.92
(1,121)	1:77:A:LYS:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	17	6.8
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	17	6.77
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	2	6.76
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	15	6.76
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	6	6.64
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	3	6.61
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	3	6.61
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	16	6.56
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	3	6.55
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	12	6.55
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	16	6.54
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	4	6.51
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	17	6.49
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	11	6.45
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	8	6.44
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	19	6.44
(1,59)	1:41:A:LEU:C	1:42:A:ASN:N	1:42:A:ASN:CA	1:42:A:ASN:C	1	6.4
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	20	6.4
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	20	6.37
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	5	6.35
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	1	6.34
(1,80)	1:55:A:GLU:N	1:55:A:GLU:CA	1:55:A:GLU:C	1:56:A:TYR:N	3	6.23
(1,59)	1:41:A:LEU:C	1:42:A:ASN:N	1:42:A:ASN:CA	1:42:A:ASN:C	8	6.15
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	9	6.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	18	6.12
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	3	6.08
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	9	6.07
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	5	6.06
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	17	6.06
(1,121)	1:77:A:LYS:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	11	6.05
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	18	5.98
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	8	5.95
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	1	5.95
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	8	5.9
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	7	5.88
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	17	5.82
(1,125)	1:79:A:ILE:C	1:80:A:HIS:N	1:80:A:HIS:CA	1:80:A:HIS:C	5	5.78
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	14	5.77
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	13	5.76
(1,59)	1:41:A:LEU:C	1:42:A:ASN:N	1:42:A:ASN:CA	1:42:A:ASN:C	16	5.72
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	7	5.72
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	17	5.7
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	13	5.69
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	11	5.64
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	6	5.63
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	18	5.62
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	12	5.59
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	12	5.59
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	12	5.58
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	2	5.57
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	4	5.57
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	15	5.56
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	19	5.52
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	4	5.52
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	8	5.5
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	8	5.49
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	16	5.48
(1,65)	1:44:A:THR:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	18	5.47
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	1	5.47
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	7	5.45
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	16	5.44
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	17	5.44
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	6	5.43
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	15	5.41
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	11	5.39
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	3	5.39
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	16	5.39
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	5	5.38
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	17	5.37
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	19	5.35
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	4	5.34
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	12	5.32
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	19	5.32
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	5	5.3
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	2	5.29

Continued on next page...

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	7	5.29
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	20	5.23
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	14	5.23
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	5	5.23
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	17	5.22
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	10	5.2
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	10	5.19
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	19	5.18
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	10	5.14
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	3	5.13
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	18	5.12
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	20	5.1
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	15	5.05
(1,83)	1:56:A:TYR:C	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	13	5.03
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	2	5.02
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	8	5.02
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	19	5.01
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	18	4.97
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	4	4.93
(1,59)	1:41:A:LEU:C	1:42:A:ASN:N	1:42:A:ASN:CA	1:42:A:ASN:C	11	4.87
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	15	4.85
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	20	4.8
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	6	4.79
(1,132)	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	1:86:A:THR:N	4	4.76
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	14	4.74
(1,55)	1:38:A:GLU:C	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	9	4.74
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	9	4.74
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	12	4.73
(1,10)	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	1:16:A:ASP:N	8	4.71
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	4	4.69
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	6	4.69
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	12	4.64
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	9	4.63
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	10	4.61
(1,83)	1:56:A:TYR:C	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	9	4.59
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	7	4.59
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	13	4.57
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	10	4.57
(1,125)	1:79:A:ILE:C	1:80:A:HIS:N	1:80:A:HIS:CA	1:80:A:HIS:C	14	4.56
(1,91)	1:61:A:ASP:C	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	6	4.55
(1,59)	1:41:A:LEU:C	1:42:A:ASN:N	1:42:A:ASN:CA	1:42:A:ASN:C	2	4.55
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	10	4.55
(1,121)	1:77:A:LYS:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	10	4.54
(1,132)	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	1:86:A:THR:N	15	4.53
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	13	4.52
(1,80)	1:55:A:GLU:N	1:55:A:GLU:CA	1:55:A:GLU:C	1:56:A:TYR:N	11	4.52
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	19	4.52
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	7	4.52
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	16	4.52
(1,65)	1:44:A:THR:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	11	4.52
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	11	4.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	10	4.5
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	13	4.48
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	2	4.48
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	4	4.46
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	10	4.44
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	11	4.43
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	18	4.42
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	2	4.42
(1,125)	1:79:A:ILE:C	1:80:A:HIS:N	1:80:A:HIS:CA	1:80:A:HIS:C	19	4.41
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	14	4.4
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	12	4.37
(1,80)	1:55:A:GLU:N	1:55:A:GLU:CA	1:55:A:GLU:C	1:56:A:TYR:N	18	4.34
(1,65)	1:44:A:THR:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	4	4.34
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	18	4.34
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	19	4.33
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	18	4.33
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	15	4.32
(1,121)	1:77:A:LYS:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	15	4.3
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	14	4.3
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	20	4.28
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	4	4.26
(1,72)	1:51:A:PHE:N	1:51:A:PHE:CA	1:51:A:PHE:C	1:52:A:ALA:N	8	4.23
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	7	4.22
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	8	4.22
(1,10)	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	1:16:A:ASP:N	16	4.22
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	9	4.2
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	3	4.2
(1,54)	1:38:A:GLU:N	1:38:A:GLU:CA	1:38:A:GLU:C	1:39:A:VAL:N	12	4.19
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	13	4.19
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	1	4.19
(1,121)	1:77:A:LYS:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	13	4.17
(1,113)	1:73:A:GLU:C	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	19	4.16
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	19	4.16
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	9	4.12
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	1	4.12
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	7	4.11
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	19	4.09
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	14	4.08
(1,92)	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1:63:A:LYS:N	11	4.07
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	12	4.06
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	11	4.02
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	11	4.02
(1,105)	1:68:A:ASN:C	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	18	4.01
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	2	4.01
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	9	4.0
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	7	3.98
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	14	3.98
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	5	3.98
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	13	3.98
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	3	3.98
(1,102)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:ASN:N	4	3.95

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,102)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:ASN:N	6	3.92
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	12	3.89
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	12	3.86
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	17	3.85
(1,113)	1:73:A:GLU:C	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	8	3.84
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	20	3.83
(1,83)	1:56:A:TYR:C	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	2	3.82
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	3	3.8
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	18	3.79
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	5	3.78
(1,54)	1:38:A:GLU:N	1:38:A:GLU:CA	1:38:A:GLU:C	1:39:A:VAL:N	16	3.77
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	12	3.76
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	7	3.75
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	3	3.74
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	19	3.73
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	6	3.71
(1,57)	1:40:A:PRO:C	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	6	3.69
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	4	3.67
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	3	3.66
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	5	3.66
(1,132)	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	1:86:A:THR:N	16	3.65
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	9	3.61
(1,22)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:LYS:N	15	3.61
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	19	3.6
(1,10)	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	1:16:A:ASP:N	7	3.57
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	16	3.57
(1,2)	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	1:11:A:PHE:N	3	3.57
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	3	3.55
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	3	3.54
(1,80)	1:55:A:GLU:N	1:55:A:GLU:CA	1:55:A:GLU:C	1:56:A:TYR:N	9	3.52
(1,54)	1:38:A:GLU:N	1:38:A:GLU:CA	1:38:A:GLU:C	1:39:A:VAL:N	3	3.52
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	4	3.52
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	5	3.5
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	1	3.49
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	8	3.48
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	16	3.47
(1,13)	1:16:A:ASP:C	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	8	3.45
(1,56)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:PRO:N	9	3.44
(1,1)	1:9:A:ILE:C	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	3	3.44
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	16	3.42
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	6	3.41
(1,36)	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	1:29:A:SER:N	19	3.41
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	13	3.4
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	16	3.37
(1,4)	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	1:12:A:VAL:N	13	3.37
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	12	3.36
(1,113)	1:73:A:GLU:C	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	5	3.35
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	9	3.33
(1,58)	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	1:42:A:ASN:N	4	3.31
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	5	3.28
(1,54)	1:38:A:GLU:N	1:38:A:GLU:CA	1:38:A:GLU:C	1:39:A:VAL:N	9	3.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,80)	1:55:A:GLU:N	1:55:A:GLU:CA	1:55:A:GLU:C	1:56:A:TYR:N	6	3.25
(1,57)	1:40:A:PRO:C	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	2	3.25
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	6	3.22
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	20	3.2
(1,113)	1:73:A:GLU:C	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	6	3.2
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	5	3.19
(1,1)	1:9:A:ILE:C	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	11	3.19
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	3	3.18
(1,91)	1:61:A:ASP:C	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	14	3.17
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	17	3.17
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	5	3.17
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	8	3.16
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	6	3.14
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	8	3.12
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	15	3.12
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	16	3.12
(1,65)	1:44:A:THR:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	8	3.09
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	20	3.08
(1,10)	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	1:16:A:ASP:N	13	3.08
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	4	3.05
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	10	3.05
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	16	3.05
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	18	3.05
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	5	3.04
(1,54)	1:38:A:GLU:N	1:38:A:GLU:CA	1:38:A:GLU:C	1:39:A:VAL:N	10	3.03
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	9	3.03
(1,57)	1:40:A:PRO:C	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	18	3.02
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	4	3.01
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	2	3.01
(1,19)	1:19:A:ILE:C	1:20:A:ASP:N	1:20:A:ASP:CA	1:20:A:ASP:C	9	2.99
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	11	2.98
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	13	2.98
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	8	2.96
(1,108)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:ASN:N	3	2.95
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	18	2.95
(1,65)	1:44:A:THR:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	17	2.95
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	20	2.95
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	6	2.92
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	13	2.91
(1,15)	1:17:A:GLU:C	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	5	2.91
(1,113)	1:73:A:GLU:C	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	14	2.9
(1,113)	1:73:A:GLU:C	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	16	2.9
(1,2)	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	1:11:A:PHE:N	4	2.9
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	6	2.89
(1,114)	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	1:75:A:ASN:N	7	2.89
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	6	2.88
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	7	2.85
(1,7)	1:12:A:VAL:C	1:13:A:GLY:N	1:13:A:GLY:CA	1:13:A:GLY:C	12	2.85
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	15	2.84
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	11	2.84
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	17	2.81

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	18	2.81
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	5	2.79
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	6	2.79
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	15	2.79
(1,30)	1:25:A:TYR:N	1:25:A:TYR:CA	1:25:A:TYR:C	1:26:A:ASP:N	8	2.77
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	7	2.77
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	10	2.77
(1,91)	1:61:A:ASP:C	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	17	2.76
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	12	2.76
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	10	2.74
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	13	2.74
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	7	2.73
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	16	2.73
(1,56)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:PRO:N	1	2.72
(1,107)	1:69:A:MET:C	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	20	2.71
(1,83)	1:56:A:TYR:C	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	7	2.71
(1,2)	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	1:11:A:PHE:N	5	2.71
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	8	2.7
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	13	2.69
(1,56)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:PRO:N	14	2.69
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	16	2.68
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	6	2.68
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	8	2.66
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	17	2.66
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	8	2.66
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	15	2.65
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	7	2.64
(1,70)	1:50:A:GLY:N	1:50:A:GLY:CA	1:50:A:GLY:C	1:51:A:PHE:N	19	2.63
(1,57)	1:40:A:PRO:C	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	1	2.63
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	6	2.63
(1,15)	1:17:A:GLU:C	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	13	2.62
(1,1)	1:9:A:ILE:C	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	6	2.61
(1,66)	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	1:46:A:LYS:N	14	2.6
(1,2)	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	1:11:A:PHE:N	20	2.6
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	10	2.59
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	3	2.58
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	5	2.57
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	11	2.56
(1,30)	1:25:A:TYR:N	1:25:A:TYR:CA	1:25:A:TYR:C	1:26:A:ASP:N	16	2.56
(1,15)	1:17:A:GLU:C	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	16	2.56
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	18	2.55
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	2	2.53
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	19	2.52
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	1	2.51
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	9	2.51
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	15	2.51
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	1	2.49
(1,113)	1:73:A:GLU:C	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	18	2.49
(1,80)	1:55:A:GLU:N	1:55:A:GLU:CA	1:55:A:GLU:C	1:56:A:TYR:N	12	2.49
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	20	2.48
(1,84)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:GLU:N	10	2.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,80)	1:55:A:GLU:N	1:55:A:GLU:CA	1:55:A:GLU:C	1:56:A:TYR:N	13	2.48
(1,30)	1:25:A:TYR:N	1:25:A:TYR:CA	1:25:A:TYR:C	1:26:A:ASP:N	12	2.45
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	16	2.45
(1,108)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:ASN:N	15	2.44
(1,56)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:PRO:N	17	2.44
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	1	2.38
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	13	2.38
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	4	2.35
(1,56)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:PRO:N	6	2.34
(1,92)	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1:63:A:LYS:N	15	2.33
(1,63)	1:43:A:MET:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	1	2.33
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	1	2.3
(1,131)	1:84:A:SER:C	1:85:A:LYS:N	1:85:A:LYS:CA	1:85:A:LYS:C	2	2.29
(1,92)	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1:63:A:LYS:N	4	2.28
(1,37)	1:28:A:PHE:C	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	9	2.27
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	4	2.26
(1,119)	1:76:A:GLY:C	1:77:A:LYS:N	1:77:A:LYS:CA	1:77:A:LYS:C	6	2.25
(1,107)	1:69:A:MET:C	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	18	2.25
(1,102)	1:67:A:TYR:N	1:67:A:TYR:CA	1:67:A:TYR:C	1:68:A:ASN:N	3	2.25
(1,85)	1:58:A:GLU:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	19	2.25
(1,84)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:GLU:N	6	2.25
(1,1)	1:9:A:ILE:C	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	17	2.25
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	9	2.24
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	18	2.22
(1,56)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:PRO:N	7	2.22
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	9	2.2
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	7	2.19
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	18	2.17
(1,108)	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	1:71:A:ASN:N	17	2.16
(1,38)	1:29:A:SER:N	1:29:A:SER:CA	1:29:A:SER:C	1:30:A:SER:N	15	2.16
(1,44)	1:33:A:ASP:N	1:33:A:ASP:CA	1:33:A:ASP:C	1:34:A:ILE:N	19	2.09
(1,121)	1:77:A:LYS:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	7	2.08
(1,113)	1:73:A:GLU:C	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	1	2.08
(1,91)	1:61:A:ASP:C	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	3	2.07
(1,57)	1:40:A:PRO:C	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	15	2.07
(1,57)	1:40:A:PRO:C	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	17	2.05
(1,92)	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1:63:A:LYS:N	13	2.04
(1,83)	1:56:A:TYR:C	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	12	2.04
(1,55)	1:38:A:GLU:C	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	14	2.04
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	11	2.04
(1,2)	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	1:11:A:PHE:N	1	2.04
(1,56)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:PRO:N	13	2.03
(1,106)	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	1:70:A:ASN:N	19	2.02
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	14	2.02
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	11	2.01
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	2	2.0
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	5	1.99
(1,56)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:PRO:N	18	1.99
(1,42)	1:31:A:PHE:N	1:31:A:PHE:CA	1:31:A:PHE:C	1:32:A:GLY:N	17	1.99
(1,2)	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	1:11:A:PHE:N	19	1.99
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	8	1.97

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	18	1.96
(1,65)	1:44:A:THR:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	14	1.95
(1,83)	1:56:A:TYR:C	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	11	1.94
(1,59)	1:41:A:LEU:C	1:42:A:ASN:N	1:42:A:ASN:CA	1:42:A:ASN:C	15	1.94
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	7	1.94
(1,65)	1:44:A:THR:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	19	1.93
(1,10)	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	1:16:A:ASP:N	5	1.93
(1,57)	1:40:A:PRO:C	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	20	1.92
(1,15)	1:17:A:GLU:C	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	4	1.92
(1,15)	1:17:A:GLU:C	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1	1.91
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	11	1.89
(1,91)	1:61:A:ASP:C	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1	1.88
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	16	1.86
(1,22)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:LYS:N	1	1.84
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	2	1.83
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	14	1.83
(1,56)	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	1:40:A:PRO:N	19	1.83
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	1	1.83
(1,121)	1:77:A:LYS:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	1	1.82
(1,65)	1:44:A:THR:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	16	1.81
(1,59)	1:41:A:LEU:C	1:42:A:ASN:N	1:42:A:ASN:CA	1:42:A:ASN:C	13	1.81
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	19	1.8
(1,110)	1:71:A:ASN:N	1:71:A:ASN:CA	1:71:A:ASN:C	1:72:A:PHE:N	6	1.79
(1,74)	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	1:53:A:PHE:N	6	1.76
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	1	1.76
(1,55)	1:38:A:GLU:C	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	18	1.75
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	15	1.75
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	8	1.73
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	18	1.73
(1,54)	1:38:A:GLU:N	1:38:A:GLU:CA	1:38:A:GLU:C	1:39:A:VAL:N	6	1.72
(1,15)	1:17:A:GLU:C	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	6	1.72
(1,121)	1:77:A:LYS:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	12	1.71
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	4	1.7
(1,22)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:LYS:N	16	1.7
(1,1)	1:9:A:ILE:C	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	12	1.69
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	9	1.67
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	6	1.67
(1,110)	1:71:A:ASN:N	1:71:A:ASN:CA	1:71:A:ASN:C	1:72:A:PHE:N	5	1.64
(1,114)	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	1:75:A:ASN:N	15	1.62
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	12	1.62
(1,104)	1:68:A:ASN:N	1:68:A:ASN:CA	1:68:A:ASN:C	1:69:A:MET:N	3	1.61
(1,104)	1:68:A:ASN:N	1:68:A:ASN:CA	1:68:A:ASN:C	1:69:A:MET:N	11	1.61
(1,30)	1:25:A:TYR:N	1:25:A:TYR:CA	1:25:A:TYR:C	1:26:A:ASP:N	1	1.61
(1,85)	1:58:A:GLU:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	15	1.59
(1,62)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:THR:N	5	1.57
(1,57)	1:40:A:PRO:C	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	8	1.57
(1,113)	1:73:A:GLU:C	1:74:A:LEU:N	1:74:A:LEU:CA	1:74:A:LEU:C	4	1.56
(1,13)	1:16:A:ASP:C	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	5	1.56
(1,125)	1:79:A:ILE:C	1:80:A:HIS:N	1:80:A:HIS:CA	1:80:A:HIS:C	8	1.55
(1,92)	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1:63:A:LYS:N	1	1.54
(1,49)	1:35:A:ARG:C	1:36:A:ASN:N	1:36:A:ASN:CA	1:36:A:ASN:C	14	1.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,92)	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1:63:A:LYS:N	20	1.52
(1,83)	1:56:A:TYR:C	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	5	1.52
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	17	1.52
(1,15)	1:17:A:GLU:C	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	7	1.52
(1,3)	1:10:A:LEU:C	1:11:A:PHE:N	1:11:A:PHE:CA	1:11:A:PHE:C	15	1.52
(1,1)	1:9:A:ILE:C	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	4	1.52
(1,65)	1:44:A:THR:C	1:45:A:THR:N	1:45:A:THR:CA	1:45:A:THR:C	6	1.5
(1,84)	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	1:58:A:GLU:N	1	1.49
(1,13)	1:16:A:ASP:C	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	20	1.49
(1,106)	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	1:70:A:ASN:N	1	1.48
(1,14)	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	1:18:A:THR:N	2	1.48
(1,106)	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	1:70:A:ASN:N	15	1.47
(1,57)	1:40:A:PRO:C	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	13	1.47
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	13	1.47
(1,105)	1:68:A:ASN:C	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	13	1.46
(1,22)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:LYS:N	17	1.46
(1,59)	1:41:A:LEU:C	1:42:A:ASN:N	1:42:A:ASN:CA	1:42:A:ASN:C	18	1.45
(1,106)	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	1:70:A:ASN:N	14	1.44
(1,22)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:LYS:N	10	1.44
(1,18)	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	1:20:A:ASP:N	12	1.44
(1,80)	1:55:A:GLU:N	1:55:A:GLU:CA	1:55:A:GLU:C	1:56:A:TYR:N	10	1.43
(1,92)	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1:63:A:LYS:N	6	1.42
(1,130)	1:82:A:ASN:N	1:82:A:ASN:CA	1:82:A:ASN:C	1:83:A:TYR:N	20	1.41
(1,110)	1:71:A:ASN:N	1:71:A:ASN:CA	1:71:A:ASN:C	1:72:A:PHE:N	8	1.41
(1,106)	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	1:70:A:ASN:N	3	1.41
(1,51)	1:36:A:ASN:C	1:37:A:ILE:N	1:37:A:ILE:CA	1:37:A:ILE:C	12	1.41
(1,49)	1:35:A:ARG:C	1:36:A:ASN:N	1:36:A:ASN:CA	1:36:A:ASN:C	9	1.41
(1,110)	1:71:A:ASN:N	1:71:A:ASN:CA	1:71:A:ASN:C	1:72:A:PHE:N	18	1.4
(1,59)	1:41:A:LEU:C	1:42:A:ASN:N	1:42:A:ASN:CA	1:42:A:ASN:C	6	1.39
(1,13)	1:16:A:ASP:C	1:17:A:GLU:N	1:17:A:GLU:CA	1:17:A:GLU:C	16	1.39
(1,125)	1:79:A:ILE:C	1:80:A:HIS:N	1:80:A:HIS:CA	1:80:A:HIS:C	18	1.38
(1,45)	1:33:A:ASP:C	1:34:A:ILE:N	1:34:A:ILE:CA	1:34:A:ILE:C	7	1.37
(1,80)	1:55:A:GLU:N	1:55:A:GLU:CA	1:55:A:GLU:C	1:56:A:TYR:N	20	1.36
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	5	1.36
(1,55)	1:38:A:GLU:C	1:39:A:VAL:N	1:39:A:VAL:CA	1:39:A:VAL:C	19	1.34
(1,23)	1:21:A:GLU:C	1:22:A:LYS:N	1:22:A:LYS:CA	1:22:A:LYS:C	14	1.34
(1,91)	1:61:A:ASP:C	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	12	1.32
(1,6)	1:12:A:VAL:N	1:12:A:VAL:CA	1:12:A:VAL:C	1:13:A:GLY:N	7	1.32
(1,45)	1:33:A:ASP:C	1:34:A:ILE:N	1:34:A:ILE:CA	1:34:A:ILE:C	20	1.31
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	12	1.3
(1,54)	1:38:A:GLU:N	1:38:A:GLU:CA	1:38:A:GLU:C	1:39:A:VAL:N	13	1.3
(1,83)	1:56:A:TYR:C	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	16	1.29
(1,49)	1:35:A:ARG:C	1:36:A:ASN:N	1:36:A:ASN:CA	1:36:A:ASN:C	16	1.29
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	2	1.29
(1,92)	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1:63:A:LYS:N	12	1.28
(1,118)	1:76:A:GLY:N	1:76:A:GLY:CA	1:76:A:GLY:C	1:77:A:LYS:N	15	1.27
(1,2)	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	1:11:A:PHE:N	10	1.27
(1,2)	1:10:A:LEU:N	1:10:A:LEU:CA	1:10:A:LEU:C	1:11:A:PHE:N	2	1.26
(1,82)	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	1:57:A:VAL:N	13	1.25
(1,63)	1:43:A:MET:C	1:44:A:THR:N	1:44:A:THR:CA	1:44:A:THR:C	2	1.25
(1,125)	1:79:A:ILE:C	1:80:A:HIS:N	1:80:A:HIS:CA	1:80:A:HIS:C	16	1.23

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,110)	1:71:A:ASN:N	1:71:A:ASN:CA	1:71:A:ASN:C	1:72:A:PHE:N	2	1.23
(1,16)	1:18:A:THR:N	1:18:A:THR:CA	1:18:A:THR:C	1:19:A:ILE:N	11	1.23
(1,103)	1:67:A:TYR:C	1:68:A:ASN:N	1:68:A:ASN:CA	1:68:A:ASN:C	4	1.22
(1,107)	1:69:A:MET:C	1:70:A:ASN:N	1:70:A:ASN:CA	1:70:A:ASN:C	13	1.21
(1,83)	1:56:A:TYR:C	1:57:A:VAL:N	1:57:A:VAL:CA	1:57:A:VAL:C	8	1.18
(1,69)	1:49:A:ARG:C	1:50:A:GLY:N	1:50:A:GLY:CA	1:50:A:GLY:C	8	1.18
(1,81)	1:55:A:GLU:C	1:56:A:TYR:N	1:56:A:TYR:CA	1:56:A:TYR:C	5	1.17
(1,22)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:LYS:N	13	1.17
(1,17)	1:18:A:THR:C	1:19:A:ILE:N	1:19:A:ILE:CA	1:19:A:ILE:C	7	1.17
(1,23)	1:21:A:GLU:C	1:22:A:LYS:N	1:22:A:LYS:CA	1:22:A:LYS:C	9	1.16
(1,9)	1:14:A:GLY:C	1:15:A:ILE:N	1:15:A:ILE:CA	1:15:A:ILE:C	20	1.16
(1,22)	1:21:A:GLU:N	1:21:A:GLU:CA	1:21:A:GLU:C	1:22:A:LYS:N	19	1.15
(1,77)	1:53:A:PHE:C	1:54:A:VAL:N	1:54:A:VAL:CA	1:54:A:VAL:C	1	1.13
(1,106)	1:69:A:MET:N	1:69:A:MET:CA	1:69:A:MET:C	1:70:A:ASN:N	7	1.11
(1,89)	1:60:A:ASP:C	1:61:A:ASP:N	1:61:A:ASP:CA	1:61:A:ASP:C	14	1.11
(1,45)	1:33:A:ASP:C	1:34:A:ILE:N	1:34:A:ILE:CA	1:34:A:ILE:C	5	1.11
(1,128)	1:81:A:VAL:N	1:81:A:VAL:CA	1:81:A:VAL:C	1:82:A:ASN:N	16	1.09
(1,91)	1:61:A:ASP:C	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	13	1.08
(1,35)	1:27:A:ILE:C	1:28:A:PHE:N	1:28:A:PHE:CA	1:28:A:PHE:C	19	1.08
(1,128)	1:81:A:VAL:N	1:81:A:VAL:CA	1:81:A:VAL:C	1:82:A:ASN:N	18	1.07
(1,92)	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1:63:A:LYS:N	16	1.06
(1,57)	1:40:A:PRO:C	1:41:A:LEU:N	1:41:A:LEU:CA	1:41:A:LEU:C	14	1.06
(1,92)	1:62:A:ALA:N	1:62:A:ALA:CA	1:62:A:ALA:C	1:63:A:LYS:N	14	1.05
(1,45)	1:33:A:ASP:C	1:34:A:ILE:N	1:34:A:ILE:CA	1:34:A:ILE:C	19	1.05
(1,93)	1:62:A:ALA:C	1:63:A:LYS:N	1:63:A:LYS:CA	1:63:A:LYS:C	2	1.04
(1,45)	1:33:A:ASP:C	1:34:A:ILE:N	1:34:A:ILE:CA	1:34:A:ILE:C	4	1.04
(1,28)	1:24:A:LEU:N	1:24:A:LEU:CA	1:24:A:LEU:C	1:25:A:TYR:N	13	1.03
(1,85)	1:58:A:GLU:C	1:59:A:VAL:N	1:59:A:VAL:CA	1:59:A:VAL:C	1	1.02
(1,45)	1:33:A:ASP:C	1:34:A:ILE:N	1:34:A:ILE:CA	1:34:A:ILE:C	1	1.02
(1,121)	1:77:A:LYS:C	1:78:A:ARG:N	1:78:A:ARG:CA	1:78:A:ARG:C	16	1.01